From

Dr. ASWATHI. S

Post Graduate student,

Department of Orthodontics and Dentofacial Orthopedics,

Tagore Dental College And Hospital,

Rathinamangalam,

Chennai.

TOPIC OF STUDY:

Assessment of Urethane Dimetha Acrylate leachates in patients wearing direct 3D printed aligners

RESEARCH DEPARTMENT:

Department Of Orthodontics and Dentofacial Orthopedics

Tagore Dental College And Hospital

COLLABORATIVE CENTRE:

Saveetha Dental College And Hospital, Poonamallee, Chennai.

CURRENT RESEARCH STATUS REPORT :

Respected Sir/Mam,

Myself, Dr. Aswathi. S, Post Graduate student of Tagore Dental College and Hospital currently pursuing research under the supervision of research mentors Dr. Sunil Chandy Varghese and Dr. Deepak. P from Department of Orthodontics and Dentofacial Orthopedicsand topic of my study is: **Assessment of Urethane Dimetha Acrylate leachates in patients wearing direct 3D printed aligners**

The research topic was approved by IRC and IEC. The material for the research is procured, Samples prepared and the research is under lab process in theSAVEETHA DENTAL COLLEGE AND HOSPITAL. Manuscript writing isstarted simultaneously



Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
PRINCIPAL
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur Post,
Melakottaiyur, Chennai-600 127

Dr. K. BALAJI, MDS
PROF & HOD
Department of Orthodontics
RE DENTAL COLLEGE & HOSPITAL
thinamangalam, Vandalur (PO)
Chennai-600 127.

From

SUBASHREE. R

Post graduate

Department of Orthodontics and Dentofacial Orthopedics

Tagore Dental College And Hospital,

Rathinamangalam,

Chennai.

TOPIC OF STUDY:

BIOLOGICAL BASIS OF ORTHODONTIC TOOTH MOVEMENT WITH FIXED ORTHODONTIC TREATMENT&CLEAR ALIGNERS

RESEARCH DEPARTMENT:

Department Of Orthodontics and Dentofacial Orthopedics

Tagore Dental College And Hospital

COLLABORATIVE CENTRE:

Saveetha Medical College And Hospital, Saveetha Nagar, Thandalam, Chennai.

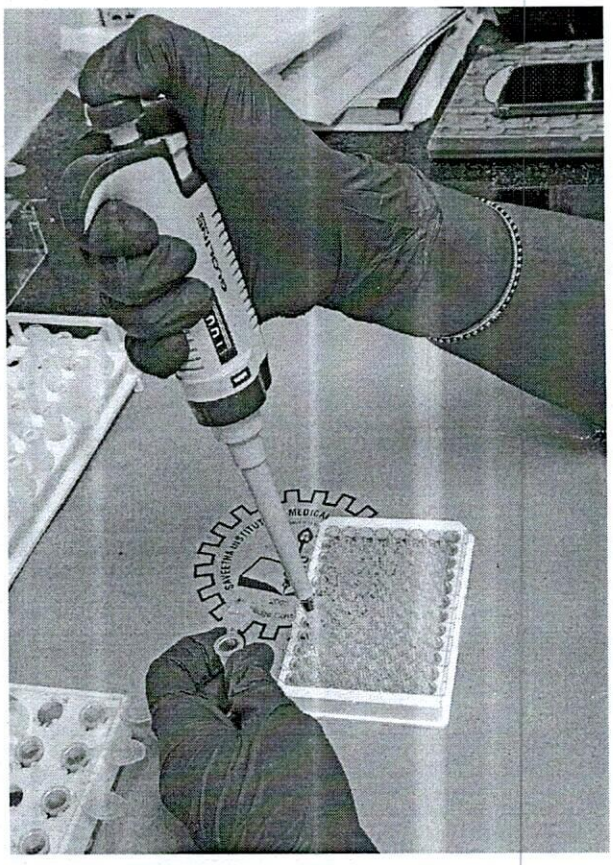
CURRENT RESEARCH STATUS REPORT :

Respected Sir/Mam,

Myself, Subashree.R

Post graduate from- Department of Orthodontics and Dentofacial Orthopedics- Tagore Dental College and Hospital currently pursuing research under the supervision of research guide Dr.Balaji. K from Department of Orthodontics and Dentofacial Orthopedics and topic of my study is: **BIOLOGICAL BASIS OF ORTHODONTIC TOOTH MOVEMENT WITH FIXED ORTHODONTIC TREATMENT&CLEAR ALIGNERS**

The following research topic approved by IRC and IEC. The material for the research is procured,Samples are collected and the research is under lab process in theSaveetha Medical College And Hospital, Manuscript writing is started simultaneously



Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
PRINCIPAL
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam,Vandalur Post,
Melakottaiyur, Chennai-600 127

Dr.K. BALAJI, MDS
PROF & HOD
Department of Orthodonics
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur (PO)
Chennai-600 127.

From

NITHYA J

1ST YEAR POST GRADUATE

Tagore Dental College and Hospital,

Rathin Mangalam,

Chennai.

TOPIC OF STUDY:

COMPARISON OF CHEMICO PHYSICAL AND OPTICAL PROPERTIES OF THERMOFORMED VS DIRECT PRINTED ALIGNERS

RESEARCH DEPARTMENT:

Department Of Orthodontics and dentofacial orthopedics,

Tagore Dental College and Hospital

COLLABORATIVE CENTRE:

SAVEETHA DENTAL COLLEGE

CURRENT RESEARCH STATUS REPORT:

Respected Sir/Mam,

Myself, Nithya J

2ND year post graduate of Tagore Dental College and Hospital currently pursuing research under the supervision of research mentor Dr. Balaji K from Department of Orthodontics and dentofacial orthopedics and topic of my study is: **COMPARISON OF CHEMICO PHYSICAL AND OPTICAL PROPERTIES OF THERMOFORMED VS DIRECT PRINTED ALIGNERS**

The following research topic approved by IRC and IEC. The material for the research is procured, yet to start with sample preparation and send to SAVEETHA DENTAL COLLEGE, Chennai, Tamil Nadu, India.

Manuscript writing yet to be started

Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
PRINCIPAL
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur Post,
Melakottaiyur, Chennai-600 127

Dr. K. BALAJI, MDS
PROF & HOD
Department of Orthodonics
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur (PO)
Chennai-600 127.

From

Dr. ANNIE SHIRLY PRIYANKA. G

Post Graduate student,

Department of Orthodontics and Dentofacial Orthopedics,

Tagore Dental College And Hospital,

Rathinamangalam,

Chennai.

TOPIC OF STUDY:

COMPARISON OF PHYSICAL PROPERTIES OF TWO DIFFERENT DIRECT 3D PRINTED ALIGNERS - AN IN VITRO STUDY

RESEARCH DEPARTMENT:

Department Of Orthodontics and Dentofacial Orthopedics

Tagore Dental College And Hospital

COLLABORATIVE CENTRE:

Saveetha Dental College And Hospital, Poonamallee, Chennai.

CURRENT RESEARCH STATUS REPORT :

Respected Sir/Mam,

Myself, DrDr. ANNIE SHIRLY PRIYANKA. G, Post Graduate student of Tagore Dental College and Hospital currently pursuing research under the supervision of research mentors Dr. BALAJI. K and Dr. MAHALAKSHMI and Dr. SHANTHINIPRIYA from Department of Orthodontics and Dentofacial Orthopedics and topic of my study is: **COMPARISON OF PHYSICAL PROPERTIES OF TWO DIFFERENT DIRECT 3D PRINTED ALIGNERS - AN IN VITRO STUDY**

Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.
PRINCIPAL
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur Post,
Melakottaiyur, Chennai-600 127

Dr. K. BALAJI, MDS
PROF & HOD
Department of Orthodonics
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur (PO)
Chennai-600 127.

The research topic was approved by IRC and IEC. The material for the research is procured, Samples prepared and the research is under lab process in the SAVEETHA DENTAL COLLEGE AND HOSPITAL. Manuscript writing is started simultaneously

STUDY YET TO START

From,

Dr. Pratheeba A.R.

Post Graduate Student (3rd year M.D.S),

Department of Conservative Dentistry and Endodontics,

Tagore Dental College and Hospital,

Chennai-600127

TOPIC OF STUDY:

COMPARATIVE EVALUATION OF DENTINAL TUBULE PENETRATION OF THREE DIFFERENT BIOCERAMIC SEALERS USING CONFOCAL LASER SCANNING MICROSCOPY - AN INVITRO STUDY

RESEARCH DEPARTMENT:

Department Of Conservative Dentistry and Endodontics

Tagore Dental College and Hospital

COLLABORATIVE CENTRE:

White Lab - Material Research Centre

Saveetha Dental College

162, Poonamallee High Road

Velappanchavadi, Chennai-600077

DR. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
PRINCIPAL
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur Post,
Melakottaiyur, Chennai-600 127

14/10/24

CURRENT RESEARCH STATUS REPORT :

Respected Sir/Mam,

Myself, Pratheeba A.R,

Postgraduate student of Tagore Dental College and Hospital currently pursuing research under the supervision of research mentor Dr.S.M.Venkatesan, The Head of the Department of Conservative Dentistry and Endodontics and the topic of my study is: **COMPARATIVE EVALUATION OF DENTINAL TUBULE PENETRATION OF THREE DIFFERENT BIOCERAMIC SEALERS USING CONFOCAL LASER SCANNING MICROSCOPY - AN INVITRO STUDY**

The following research topic was approved by IRC and IEC. The material for the research is procured, Samples prepared and the research is under lab process in the WHITE LABS, SAVEETHA DENTAL COLLEGE, AND HOSPITAL. Manuscript writing has started simultaneously.

14/10/24

WHITE LAB

Material Research Centre

SAVEETHA INSTITUTE OF MEDICAL AND TECHNICAL SCIENCES (SIMATS)
No. 162, Poonamallee High Rd, Velappanchavadi, Chennai - 600077
Phone: +91-44-2680-2274, e-Mail: whitelab.sdc@saveetha.com
Website: whitelab.sdc.saveetha.com

INVOICE

Invoice Number: 00785
Invoice Date: 23 July 2024
Due Date: 30 July 2024
Purchase Order:
Research ID: 2024 7 WL EXT PG2 -- 4682
UPI No:
Faculty Name:

Institute Name

Tagore Dental College &. Hospital

WHITE LAB

Material Research Centre
SIMATS
No,162 Poonamallee High Road
Chennai-600 077
GST No 33AAFTS0845L1ZB

Client Name

Dr.Pratheeba
Department of Conservative Dentistry and Endodontics

#	Name	Quantity	Unit price	Subtotal	GST %	GST	Total
1	Sectioning	6	800.00	4,800.00	18%	864.00	5,664.00
2	Confocal Imageing	2.5	3,000.00	7,500.00	18%	1,350.00	8,850.00
3	Confocal Analysis	12	100.00	1,200.00	18%	216.00	1,416.00
4	Consumables	1	100.00	100.00	18%	18.00	118.00

Amount In Words: Sixteen Thousand Fourty Eight Rupees only

Subtotal	₹ 13,600.00
GST 18%	₹ 2,448.00
Total	₹ 16,048.00
Paid	₹ 0.00
Balance due	₹ 16,048.00
Total Due	**₹ 16,048.00**

PAYMENT INFORMATION
ACCOUNT DETAILS: **1248135000002640**
ACCOUNT NAME: **SAVEETHA DENTAL COLLEGE PEDODONTICS CME**
BANK NAME: **KARUR VYSYA BANK**
IFSC CODE: **KVBL0001248**
BRANC NAME: **VELAPPANCHAVADI**
PAYMENT PROOF TO BE SENT:
labpayments.sdc@saveetha.com
NOTE: KINDLY MENTION THE NAME OF THE LAB/FACILITY USED IN
RECIPIENT NAME: SAVEETHA DENTAL COLLEGE AND HOSPITAL

Ultimate Destination for All your research Needs

From

SIVAPRASAATH S

CRRI

Tagore Dental College And Hospital,

Rathinamangalam,

Chennai.

TOPIC OF STUDY:

Topic: REINFORCING FLUID RESIN WITH GRAPHENE TO IMPROVIZE THE STRENGTH OF POLYMER MATRIX- An In vitro Study

.

RESEARCH DEPARTMENT:

Department Of Prosthodontics

Tagore Dental College And Hospital

COLLABORATIVE CENTRE:

White Labs,

Saveetha Dental College And Hospital, Poonamallee, Chennai.

9/10/24.

SIGNATURE OF MENTOR

Dr. [illegible] M.D.S., Ph.D.,
PRINCIPAL
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur Post,
Melakottaiyur, Chennai-600 127

CURRENT RESEARCH STATUS REPORT :

Respected Sir/Mam,

I SIVAPRASAATH S CRRI of Tagore Dental College and Hospital currently pursuing research under the supervision of research mentor Dr.Lokesh from Department of Prosthodontics and the topic of

REINFORCING FLUID RESIN WITH GRAPHENE TO IMPROVIZE THE STRENGTH OF POLYMER MATRIX- An In vitro Study

The following research topic has been approved by IRC and IEC. The material for the research is being purchased and the study is with sample preparation.Manuscript writing is yet to start.







CURRENT RESEARCH STATUS REPORT:

Respected Sir/Mam,

Myself, Daffy Jacentha S

2ND year post graduate of Tagore Dental College and Hospital currently pursuing research under the supervision of research mentor Dr. Balaji K from Department of Orthodontics and dentofacial orthopedics and topic of my study is: **Adaptivity changes IN DIRECT PRINTED AND THERMOFORMED ALIGNERS USING SCANNING ELECTRON Microscopy-An Observational Study.**

The following research topic approved by IRC and IEC. The material for the research is procured, Samples prepared and yet to send to SAVEETHA DENTAL COLLEGE

Manuscript writing is started simultaneously

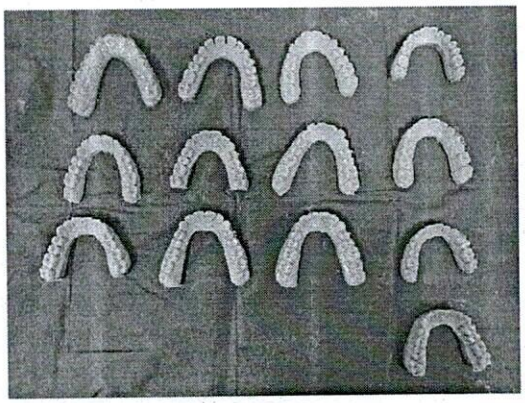


Image of Sample preparation.

Dr. K. BALAJI, MDS
PROF & HOD
Department of Orthodonics
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur (PO)
Chennai-600 127.

PRINCIPAL
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur Post,
Melakottaiyur, Chennai-600 127

CURRENT RESEARCH STATUS REPORT:

Respected Sir/Mam,

Myself, Karthikeyan M

3RDyear post graduate of Tagore Dental College and Hospital currently pursuing research under the supervision of research mentor Dr. Balaji K from Department of Orthodontics and dentofacial orthopedics and topic of my study is: **COMPARISON OF ACCURACY OF 3 DIFFERENT 3D PRINTED ORTHODONTIC ALIGNER MODELS-AN INVITRO STUDY**

The following research topic approved by IRC and IEC. The material for the research is procured, Samples prepared and sent to SAVEETHA DENTAL COLLEGE, SIMATS, Saveetha Institute of Science and Technology, Thandalam, Chengalpattu District, Tamil Nadu, India.

Manuscript writing completed



Dr. K. BALAJI, MDS
PROF & HOD
Department of Orthodonics
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur (PO)
Chennai-600 127.

Dr. D.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
PRINCIPAL
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur Post,
Melakottaiyur, Chennai-600 127

Name – Dr Surya N G, 2nd Yr Post graduate, department of prosthodontics

Topic – Comparison of accuracy between Dynamic Navigation and Static surgical guide for dental implant placement: An In Vitro Study

Principle investigator – Dr Surya N G

Guide – Dr C J Venkatakrishnan

Duration – 28.12.2023 to 02.02.2024

Dynamic navigation (DN) is a groundbreaking technology revolutionizing dental implant surgery. This computer-assisted technique provides real-time, 3D guidance during the procedure, ensuring precise implant placement and minimizing potential complications.

In this study was conducted to find the accuracy of Computer aided static surgical guide and dynamic navigation for placing dental implants.

WHITE LAB
Material Research Centre
SAVEETHA DENTAL COLLEGE AND HOSPITAL
Post Bag No .6 # 162, Poonamallee High Road, Chennai - 600 077.
Phone: +91 44 2680 1580 /85 (Extension : 9839) Fax: +91 44 2680 0892
e mail: whitelab.sdc@saveetha.com Website: whitelab.saveetha.com

DATE: 15.03.2024

To whomsoever it may concern

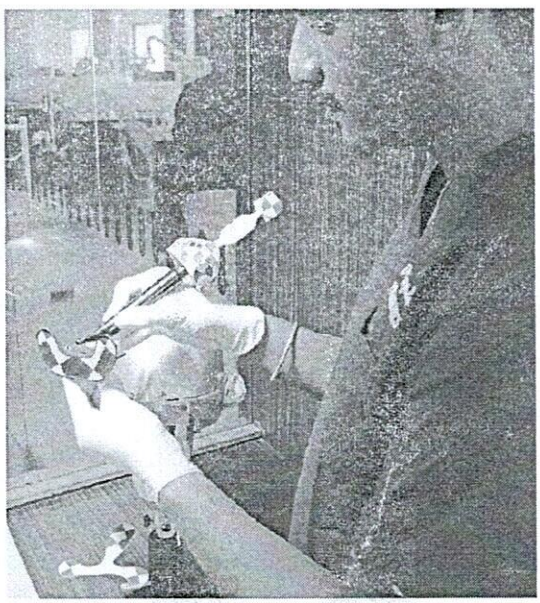
This is to certify that **Dr Surya N G**, Postgraduate student from the Department of Prosthodontics crown and bridges, Tagore Dental College and Hospital, had Come to White lab – Material Research Centre, Saveetha Dental College ,SIMATS, Chennai, for utilizing the **Navident** facility as a part of completion of his thesis entitled **"Comparison of accuracy between Dynamic Navigation and Static surgical guide for dental implant placement "** - An In-Vitro Study from 28.12.2023 to 02.02.2024 .

WHITE LAB MATERIAL RESEARCH CENTRE SAVEETHA DENTAL COLLEGE

Thank you

15/03/2024

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PRINCIPAL
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur Post,
Melakottaiyur, Chennai-600 127

Research report

Name – Dr Yogesh Kumar M, 2nd Yr Post graduate, department of prosthodontics

Topic – INFLUENCE OF SCREW INSERTION TORQUE ON IMPLANT ABUTMENT MISFIT IN INTERNAL. HEX IMPLANT cONNECTION DESIGN -AN IN VITRO STUDY

Collaboration :

white lab

Saveetha dental college

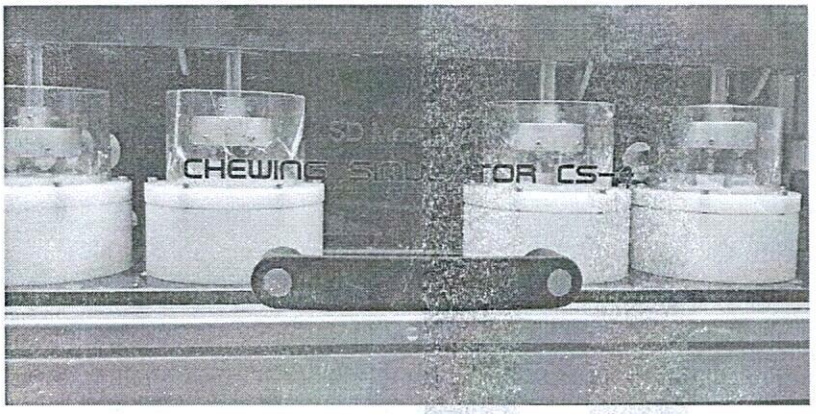
Principle investigator – Dr Yogesh Kumar M

Guide – Dr C J Venkatakrishnan

Duration – 20.12.2023 to 05.02.2024

An accurate fit at the implant-abutment interface is an important factor to avoid biological and mechanical complications .Screw loosening is one of the major complications in implant prosthesis which can lead to screw fracture, loosening, and loss of implant prosthesis. This complication can be avoided by implementing the proper torquing protocol .Retorquing of implant abutments has

been shown to prevent or delay screw loosening. There is no published research on the effect of retorquing on implant abutment interface misfit which occurs as an result of screw loosening in screw retained implant crowns. In this study in colaberation with the saveetha dental college's white I did a study to find the accuracy.



WHITE LAB
Material Research Centre
SAVEETHA DENTAL COLLEGE AND HOSPITAL
Post Bag No .6 # 162, Poonamallee High Road, Chennai - 600 077.
Phone: +91-44-2680 1580-85 (Extension - 9849) Fax: +91-44-2680 0892
e-mail: whitelab.sdc@saveetha.com Website: whitelab.sdc.saveetha.com

Date: 04.03.2023

To whomsoever it may concern

This is to Certify that Dr. YOGESH KUMAR. M, a Postgraduate student of Department of Prosthodontics Crown and Bridge from Tagore Dental College and Hospital, had come to White lab – Material Research Centre, Saveetha Dental College, Chennai, India for using Instron Electropuls E3000 , Bainceut LSS, JEOL IT-800 FESEM, as a part of completion of his thesis entitled " Influence of Screw Insertion Torque on Implant Abutment Misfit in Internal Hex Implant Connection Design- An In vitro study" from 12.01.2023to19.01.2023.

Thank you

WHITE LAB * MATERIAL RESEARCH CENTRE * SAVEETHA DENTAL COLLEGE

4/3/23

Ultimate Destination for All Your Research Needs

Dr. U.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
PRINCIPAL
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur Post,
Melakottaiyur, Chennai-600 127

WHITE LAB
Material Research Centre
SAVEETHA DENTAL COLLEGE AND HOSPITAL
Post Bag No .6 # 162, Poonamallee High Road, Chennai - 600 077.
Phone: +91-44-2680 1580-85 (Extension - 9849) Fax: +91-44-2680 0892
e-mail: whitelab.sdc@saveetha.com Website: whitelab.sdc.saveetha.com

DATE: 28.03.2024

To whomsoever it may concern

This is to state that permission is being granted to **Harshini S.A**, Department of Prosthodontics, Tagore Dental College And Hospital, to utilize the facilities available in White-lab–Material Research Centre, Saveetha Dental College and Hospital, SIMATS, Chennai for completion of her PG thesis entitled "**To compare tungsten inert gas welding and laser welding on the flexural strength and surface characteristics of titanium alloys - An In-vitro Study** " between 2024 and 2025.

Thank you

WHITE LAB ★ MATERIAL RESEARCH CENTRE ★ SAVEETHA DENTAL COLLEGE

28/03/2024

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Dr. C.V. VENKATACHALAPATHY, M.D.S., Ph.D.,
PRINCIPAL
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur Post,
Melakottaiyur, Chennai-600 127

WHITE LAB
Material Research Centre
SAVEETHA DENTAL COLLEGE AND HOSPITAL
Post Bag No .6 # 162, Poonamallee High Road, Chennai - 600 077.
Phone: +91-44-2680 1580-85 (Extension - 9849) Fax: +91-44-2680 0892
e-mail: whitelab.sdc@saveetha.com Website: whitelab.sdc.saveetha.com

DATE: 03.04.2024

To whomsoever it may concern

This is to state that permission is being granted to **Dr. Nishaali MM,** Department of Prosthodontics Crown and Bridge and Implantology, Tagore Dental College and Hospital, Chennai. to utilize the facilities available in White-lab–Material Research Centre, Saveetha Dental College and Hospital, SIMATS, Chennai for completion of her PG thesis entitled **"Comparison of the effects of different surface treatments on retention of 3D printed interim implant crown on implant abutment – An in vitro study"** between 2024 and 2025.

Thank you

Dr. [illegible] M.D.S., Ph.D.,
PRINCIPAL
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam,Vandalur Post,
Melakottaiyur, Chennai-600 127

WHITE LAB
MATERIAL RESEARCH CENTRE
SAVEETHA DENTAL COLLEGE

03/04/24

From

Sajida Selvam

CRRI

Tagore Dental College And Hospital,

Rathinamangalam,

Chennai.

TOPIC OF STUDY:

ASSESSMENT OF TORQUE GENERATION BETWEEN DIRECT PRINTED ALIGNERS AND THERMOFORMED ALIGNER AFTER THERMOMECHANICAL AGING: A PILOT STUDY

RESEARCH DEPARTMENT:

Department Of Orthodontics

Tagore Dental College And Hospital

COLLABORATIVE CENTRES:

White Labs,

Saveetha Dental College And Hospital, Poonamallee, Chennai.

IIT madras,Chennai

CURRENT RESEARCH STATUS REPORT :

Respected Sir/Mam,

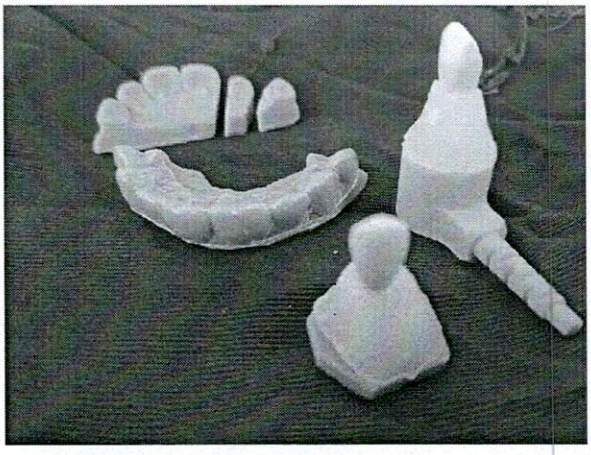
Myself, Sajida Selvam CRRI of Tagore Dental College and Hospital currently pursuing research under the supervision of research mentor Dr. Parameshwaran from Department ofOrthodonticsand topic of my study is

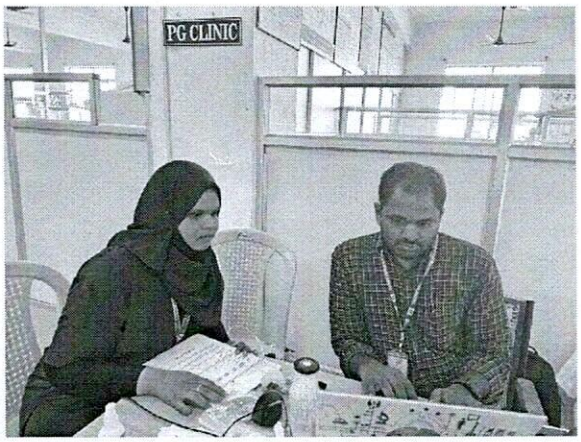
ASSESSMENT OF TORQUE GENERATION BETWEEN DIRECT PRINTED ALIGNERS AND THERMOFORMED ALIGNER AFTER THERMOMECHANICAL AGING: A PILOT STUDY

The research topic has been approved by IRC and IEC. The material for the research is procured and waiting for appointment schedule with IITMadras. Manuscript writing isstarted simultaneously

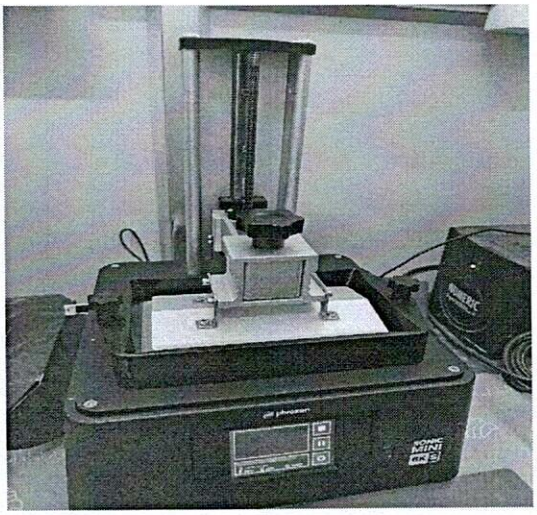
MENTOR SIGNATURE

Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
PRINCIPAL
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur Post,
Melakottaiyur, Chennai-600 127









Dr. C.V. VENKATA KRISHNAN, M.D.S., Ph.D.,
PRINCIPAL
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur Post,
Melakottaiyur, Chennai-600 127

From

Dinesh J

CRRI

Tagore Dental College And Hospital,

Rathinamangalam,

Chennai.

TOPIC OF STUDY:

Assessment of Aligner Surface Contamination in Direct Printing and Thermoformed Aligners after Intraoral Use

RESEARCH DEPARTMENT:

Department Of Orthodontics,

Tagore Dental College And Hospital

COLLABORATIVE CENTRE:

Saveetha White lab

CURRENT RESEARCH STATUS REPORT :

Respected Sir/Mam,

Myself, Dinesh J

CRRI of Tagore Dental College and Hospital currently pursuing research under the supervision of research mentor Dr. Rajesh from Dept. of Orthodontics and topic of my study is: **Assessment of Aligner Surface Contamination in Direct Printing and Thermoformed Aligners after Intraoral Use.** The research is being done in the Saveetha White lab. Waiting for statistics from the lab and manuscript writing has been completed till methodology.

Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
PRINCIPAL
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur Post,
Melakottaiyur, Chennai-600 127

SIGNATURE OF MENTOR

RESEARCH STATUS REPORT

From

Sabreen faseeha

CRRI

Tagore Dental College And Hospital,

Rathinamangalam,

Chennai.

TOPIC OF STUDY:ASSESSMENT OF SURFACE ROUGHNESS CHANGES AFTER IN VIVO AGING BETWEEN THERMOFORMED AND DIRECT PRINTED ALIGNERS

RESEARCH DEPARTMENT:

Department Of Orthodontics

Tagore Dental College And Hospital

COLLABORATIVE CENTRE:

White Labs,

Saveetha Dental College And Hospital, Poonamallee, Chennai.

CURRENT RESEARCH STATUS REPORT :

Respected Sir/Mam,

Myself, Sabreen faseeha

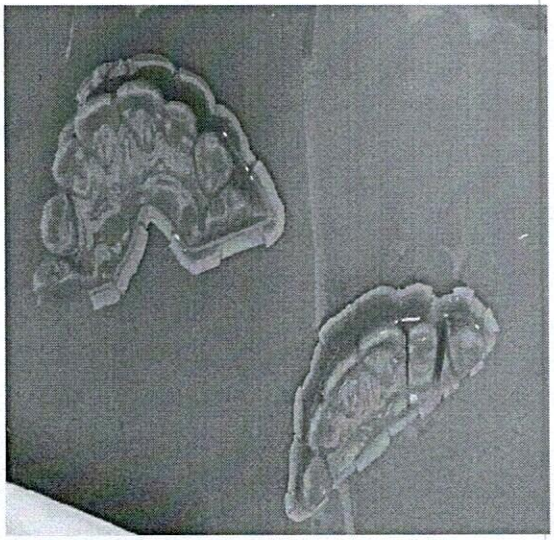
CRRI of Tagore Dental College and Hospital currently pursuing research under the supervision of research mentor Dr.Shanthini Priya from Department of Orthodontics and topic of my study is:

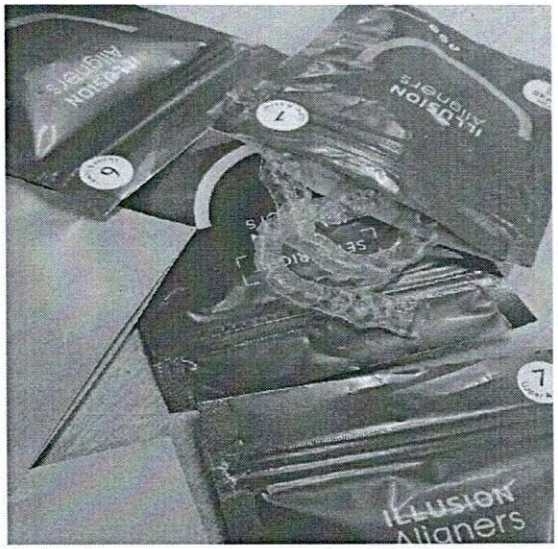
ASSESSMENT OF SURFACE ROUGHNESS CHANGES AFTER IN VIVO AGING BETWEEN THERMOFORMED AND DIRECT PRINTED ALIGNERS.

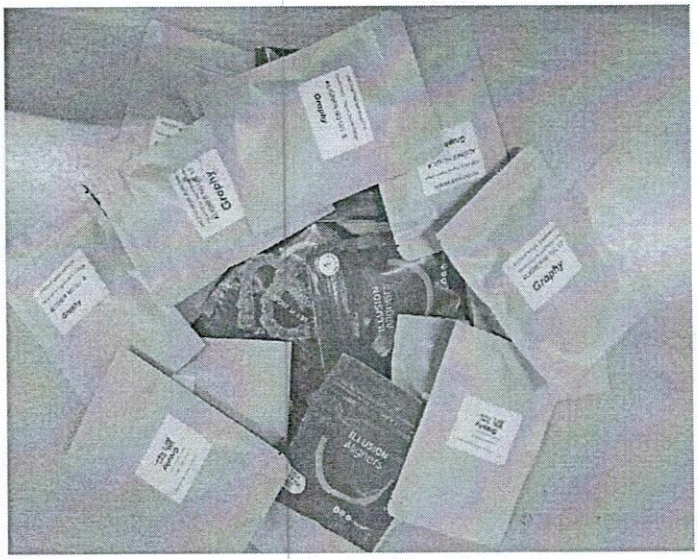
The following research topic has been approved by IRC and IEC. The material for the research is being procured and retrieved from the patient. Manuscript writing is yet to start.

Signature of guide

PRINCIPAL
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur Post,
Melakottaiyur, Chennai-600 127







Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
PRINCIPAL
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur Post,
Melakottaiyur, Chennai-600 127

RESEARCH STATUS REPORT

From

Divya.D

CRRI

Tagore Dental College And Hospital,

Rathinamangalam,

Chennai.

TOPIC OF STUDY:ASSESSMENT OF SURFACE ROUGHNESS CHANGES AFTER IN VIVO AGING BETWEEN THERMOFORMED AND DIRECT PRINTED ALIGNERS

RESEARCH DEPARTMENT:

Department Of Orthodontics

Tagore Dental College And Hospital

COLLABORATIVE CENTRE:

White Labs,

Saveetha Dental College And Hospital, Poonamallee, Chennai.

CURRENT RESEARCH STATUS REPORT :

Respected Sir/Mam,

Myself, Divya.D

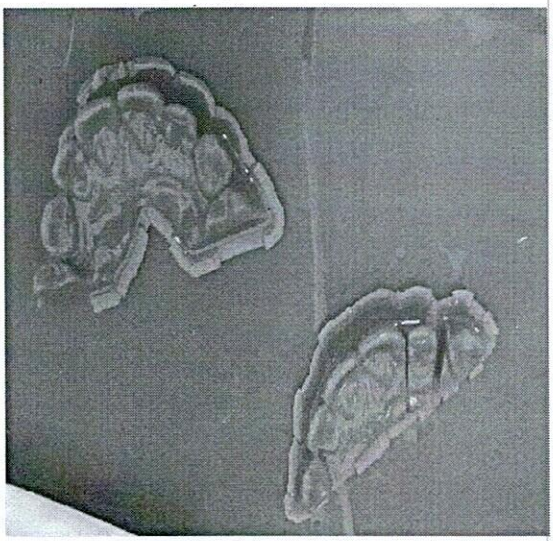
CRRI of Tagore Dental College and Hospital currently pursuing research under the supervision of research mentor Dr.Shanthini Priya from Department of Orthodontics and topic of my study is:

ASSESSMENT OF SURFACE ROUGHNESS CHANGES AFTER IN VIVO AGING BETWEEN THERMOFORMED AND DIRECT PRINTED ALIGNERS.

The following research topic has been approved by IRC and IEC. The material for the research is being procured and retrieved from the patient. Manuscript writing is yet to start.

Dr. C.J. VENKATA... PRINCIPAL
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur Post,
... Chennai-600 127

Signature of guide







Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
PRINCIPAL
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur Post,
Melakottaiyur, Chennai-600 127

From

ROHITH KUMAR.M

CRRI

Tagore Dental College And Hospital,

Rathinamangalam,

Chennai.

TOPIC OF STUDY:

EVALUATION OF ETCHING PATTERNS ON HUMAN ENAMEL USING TWO DISTINCT PHOSPHORIC ACID ETCHANT VISCIDITY – A SCANNING ELECTRON MICROSCOPE STUDY

RESEARCH DEPARTMENT:

Department Of Conservative Dentistry And Endodontics

Tagore Dental College And Hospital

COLLABORATIVE CENTRE:

White Labs,

Saveetha Dental College And Hospital, Poonamallee, Chennai.

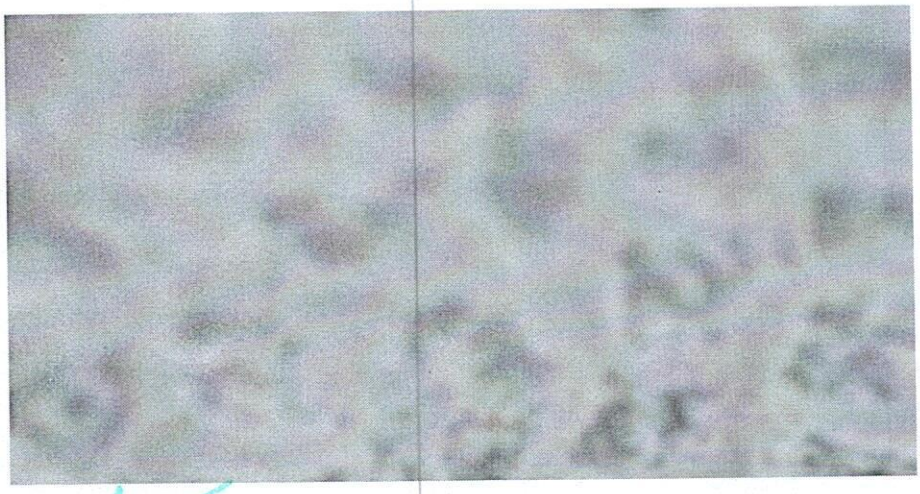
CURRENT RESEARCH STATUS REPORT :

Respected Sir/Mam,

Myself, Rohith Kumar.M

CRRI of Tagore Dental College and Hospital currently pursuing research under the supervision of research mentor Dr.Sarath Kumar from Department of Conservative Dentistry and Endodontics and topic of my study is:
EVALUATION OF ETCHING PATTERNS ON HUMAN ENAMEL USING TWO DISTINCT PHOSPHORIC ACID ETCHANT VISCIDITY – A SCANNING ELECTRON MICROSCOPE STUDY

The following research topic approved by IRC and IEC. The material for the research is procured,Samples prepared and the research is under lab process in the WHITE LABS, SAVEETHA DENTAL COLLEGE AND HOSPITAL. Manuscript writing is started simultaneously



SEM IMAGE OF STUDY

Dr. C.J. VENKATA
PRINCIPAL
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur Post,
Melakottaiyur, Chennai-600 127

From

Charulatha R D, Chandhini M,

CRRI,

Tagore Dental College And Hospital,

Rathinamangalam,

Chennai.

TOPIC OF STUDY:

THE EFFECT OF GLUTATHIONE ON EPOXY RESIN BASED SEALER AND BIOCERAMIC SEALER ON ROOT CANAL DENTIN: AN INVITRO STUDY.

RESEARCH DEPARTMENT:

Department Of Conservative Dentistry And Endodontics

Tagore Dental College And Hospital

COLLABORATIVE CENTRE:

White Labs,

Saveetha Dental College And Hospital, Poonamallee, Chennai.

CURRENT RESEARCH STATUS REPORT :

Respected Sir/Mam,

OURSELF, CHANDHINI M AND CHARULATHA R D

CRRI of Tagore Dental College and Hospital currently pursuing research under the supervision of research mentor Dr. VANDANA JAMES AND Dr. CHARANYA from Dept. of Conservative Dentistry and Endodontics under the topic of **THE EFFECT OF GLUTATHIONE ON EPOXY RESIN BASED SEALER AND BIOCERAMIC SEALER ON ROOT CANAL DENTIN: AN INVITRO STUDY.**

The following research topic approved by IRC and IEC. The material for the research is procured and the results obtained from the WHITE LABS, SAVEETHA DENTAL COLLEGE AND HOSPITAL. Manuscript writing is completed and under statistical analysis.

Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
PRINCIPAL
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur Post,
Melakottaiyur, Chennai-600 127

Signature of HOD,

8/10/24

WHITE LAB

Material Research Centre

SAVEETHA INSTITUTE OF MEDICAL AND TECHNICAL SCIENCES (SIMATS)

No. 162, Poonamallee High Rd, Velappanchavadi, Chennai - 600077

Phone: +91-44-2680-2274, e-Mail: whitelab.sdc@saveetha.com

Website: whitelab.sdc.saveetha.com

INVOICE

Invoice Number: 00900
Invoice Date: 19 August 2024
Due Date: 26 August 2024
Purchase Order:
Research ID: 2024 8 WL EXT UG5 -- 4879
UPI No:
Faculty Name:

Institute Name

Tagore Dental College and Hospital

WHITE LAB
Material Research Centre
SIMATS
No,162 Poonamallee High Road
Chennai-600 077
GST No 33AAFTS0845L1ZB

Client Name

Charulatha RD,Chandhini M
Doctor
Department of Conservative Dentistry and Endodontics

#	Name	Quantity	Unit price	Subtotal	GST %	GST	Total
1	SEM	6	1,400.00	8,400.00	18%	1,512.00	9,912.00

Amount In Words: Nine Thousand Nine Hundred Twelve Rupees only

Subtotal	₹ 8,400.00
GST 18%	₹ 1,512.00
Total	₹ 9,912.00
Paid	₹ 0.00
Balance due	₹ 9,912.00
Total Due	**₹ 9,912.00**

PAYMENT INFORMATION
ACCOUNT DETAILS: **1248135000002640**
ACCOUNT NAME: **SAVEETHA DENTAL COLLEGE PEDODONTICS CME**
BANK NAME: **KARUR VYSYA BANK**
IFSC CODE: **KVBL0001248**
BRANC NAME: **VELAPPANCHAVADI**
PAYMENT PROOF TO BE SENT:
abpayments.sdc@saveetha.com
NOTE: KINDLY MENTION THE NAME OF THE LAB/FACILITY USED IN
RECIPIENT NAME: SAVEETHA DENTAL COLLEGE AND HOSPITAL

Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
PRINCIPAL
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur Post,
Kelambakkam, Chennai-600 127.

Ultimate Destination for All your research Needs

WHITE LAB

Material Research Centre

SAVEETHA INSTITUTE OF MEDICAL AND TECHNICAL SCIENCES (SIMATS)
No. 162, Poonamallee High Rd, Velappanchavadi, Chennai - 600077
Phone: +91-44-2680-2274, e-Mail: whitelab.sdc@saveetha.com
Website: whitelab.sdc.saveetha.com

INVOICE

Invoice Number: 00875
Invoice Date: 09 August 2024
Due Date: 16 August 2024
Purchase Order:
Research ID: 2024 8 WL EXT UG5 -- 4828
UPI No:
Faculty Name:

Institute Name

Tagore Dental College and Hospital

WHITE LAB
Material Research Centre
SIMATS
No,162 Poonamallee High Road
Chennai-600 077
GST No 33AAFTS0845L1ZB

Client Name

Charulatha RD,Chandhini M
Doctor
Department of Conservative Dentistry and Endodontics

#	Name	Quantity	Unit price	Subtotal	GST %	GST	Total
1	Instron	6	300.00	1,800.00	18%	324.00	2,124.00
2	Sample Preparation	1	200.00	200.00	18%	36.00	236.00

Amount In Words: Two Thousand Three Hundred Sixty Rupees only

Subtotal	₹ 2,000.00
GST 18%	₹ 360.00
Total	₹ 2,360.00
Paid	₹ 0.00
Balance due	₹ 2,360.00
Total Due	**₹ 2,360.00**

PAYMENT INFORMATION
ACCOUNT DETAILS: **1248135000002640**
ACCOUNT NAME: **SAVEETHA DENTAL COLLEGE PEDODONTICS CME**
BANK NAME: **KARUR VYSYA BANK**
IFSC CODE: **KVBL0001248**
BRANC NAME: **VELAPPANCHAVADI**
PAYMENT PROOF TO BE SENT:
abpayments.sdc@saveetha.com
NOTE: KINDLY MENTION THE NAME OF THE LAB/FACILITY USED IN
RECIPIENT NAME: SAVEETHA DENTAL COLLEGE AND HOSPITAL

Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
PRINCIPAL
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur Post,
Melakottaiyur, Chennai-600 127

Ultimate Destination for All your research Needs

From

Charulatha M

CRRI

Tagore Dental College And Hospital,

Rathinamangalam,

Chennai.

TOPIC OF STUDY:

EFFECTS OF THREE REMINERALIZING AGENTS ON MICROHARDNESS OF ENAMEL SUBJECTED TO DEMIN REMIN CYCLE -AN IN VITRO STUDY.

RESEARCH DEPARTMENT:

Department Of Conservative Dentistry And Endodontics

Tagore Dental College And Hospital

COLLABORATIVE CENTRE:

White Labs,

Saveetha Dental College And Hospital, Poonamallee, Chennai.

CURRENT RESEARCH STATUS REPORT : lab process

Respected Sir/Mam,

MYSELF, CHARULATHA M

CRRI of Tagore Dental College and Hospital currently pursuing research under the supervision of research mentor Dr. SHOBANA from Dept. of Conservative Dentistry and Endodontics and topic of my study is: **EFFECTS OF THREE REMINERALIZING AGENTS ON MICROHARDNESS OF ENAMEL SUBJECTED TO DEMIN REMIN CYCLE - AN IN VITRO STUDY.**

The following research topic approved by IRC and IEC. The material for the research is procured and the research has been started in the WHITE LABS, SAVEETHA DENTAL COLLEGE AND HOSPITAL. Manuscript writing will be started simultaneously



Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
PRINCIPAL
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur Post,
Melakottaiyur, Chennai-600 127

30/9/2024

Research status report

From

Fenisha Trishy.F

CRRI

Tagore Dental College And Hospital,

Rathinamangalam,

Chennai.

TOPIC OF STUDY:

Effect of Print Angulation and Precision of Direct printed shape memory aligners (Senertek clear A resin)- INVITRO STUDY.

RESEARCH DEPARTMENT:

Department Of orthodontics

Tagore Dental College And Hospital

COLLABORATIVE CENTRE :

White Labs,

Saveetha Dental College And Hospital, Poonamallee, Chennai.

CURRENT RESEARCH STATUS REPORT : Sample collection

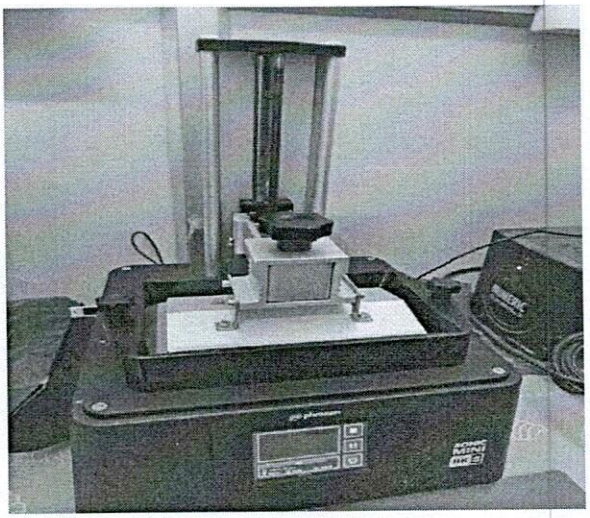
Respected Sir/Mam,

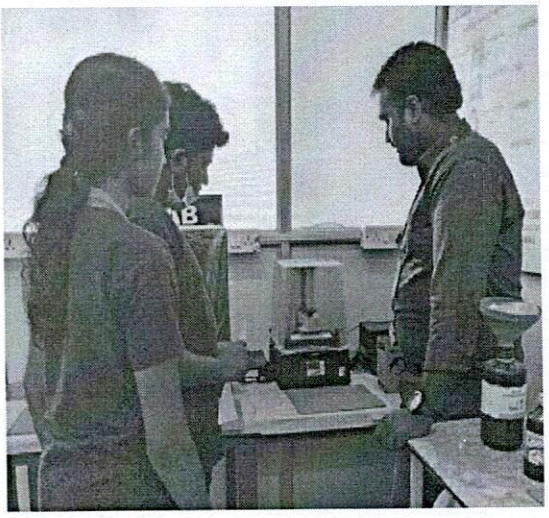
Myself, Fenisha Trishy.F,CRRI of Tagore Dental College and Hospital currently pursuing research under the supervision of research mentor Dr. Deepak from Dept. of orthodontics and topic of my study is **Effect of Print Angulation and Precision of Direct printed shape memory aligners (Senertek clear A resin) – AN INVITRO STUDY.**

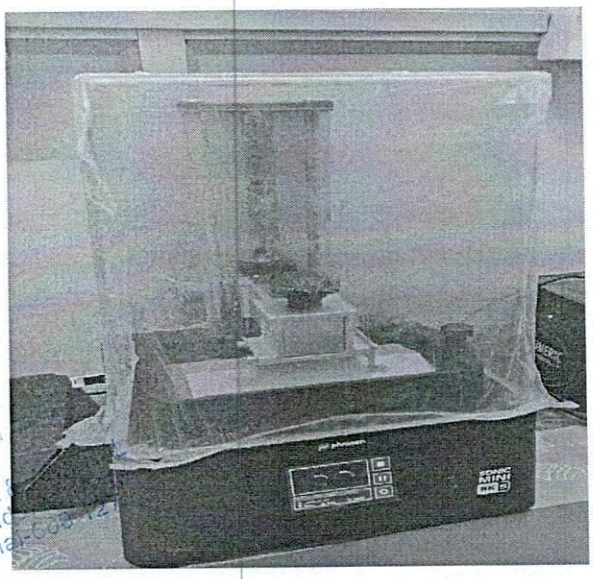
The following research topic approved by IRC and IEC. The material for the research is procured and the aligners printing process is ongoing following which comparison of aligners will be done in the WHITE LABS, SAVEETHA DENTAL COLLEGE AND HOSPITAL. Manuscript writing is ongoing simultaneously .

Signature of mentor

TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur Post,
Melakottaiyur, Chennai-600 127







Dr. G.J. VENKATA KRISHNAN,
PRINCIPAL
TAGORE DENTAL COLLEGE &
Rathinamangalam, Vand
Melakottaiyur, Chennai-600 12

From

Sasikala D

CRRI

Tagore Dental College And Hospital,

Rathinamangalam,

Chennai.

TOPIC OF STUDY:

Comparison of adaptation of two different clear aligner attachment template materials

RESEARCH DEPARTMENT:

Department Of orthodontics

Tagore Dental College And Hospital

COLLABORATIVE CENTRE:

White Labs,

Saveetha Dental College And Hospital, Poonamallee, Chennai.

CURRENT RESEARCH STATUS REPORT :

Dr. C.J. VENKATA KRISHNAN M.D.S., Ph.D.,
PRINCIPAL
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur Post,
Melakottaiyur, Chennai-600 127

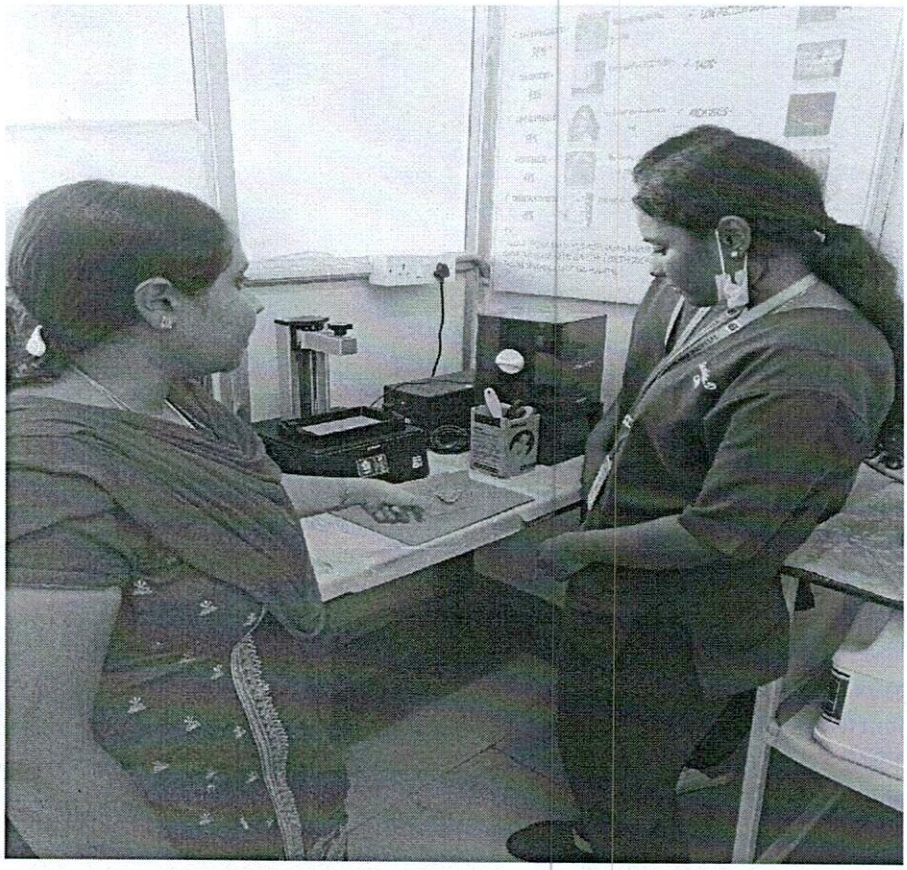
SIGNATURE OF GUIDE

Respected Sir/Mam,

Myself, Sasikala D

CRRI of Tagore Dental College and Hospital currently pursuing research under the supervision of research mentor Dr. Aswini Soundharya from Dept. of orthodontics and topic of my study is Comparison of two different clear aligner attachment template materials .

The following research topic approved by IRC and IEC. We have started selecting samples and the research is yet to be started in the WHITE LABS, SAVEETHA DENTAL COLLEGE AND HOSPITAL. Manuscript writing will be started simultaneously



Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
PRINCIPAL
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur Post,
Melakottaiyur, Chennai-600 127

Research status report

From

Sanjay Kumar.R

CRRI

Tagore Dental College And Hospital,

Rathinamangalam,

Chennai.

TOPIC OF STUDY: **Effect of Print Angulation and Precision of Direct printed shape memory aligners (Graphy,Seoul)- INVITRO STUDY.**

RESEARCH DEPARTMENT: Department Of orthodontics, Tagore Dental College And Hospital

COLLABORATIVE CENTRE : White Labs, Saveetha Dental College And Hospital, Poonamallee, Chennai.

CURRENT RESEARCH STATUS REPORT : Sample collection

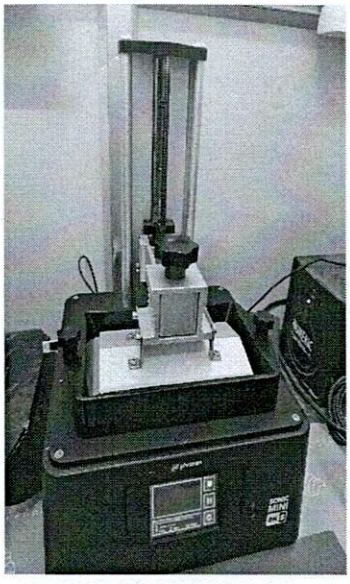
Respected Sir/Mam,

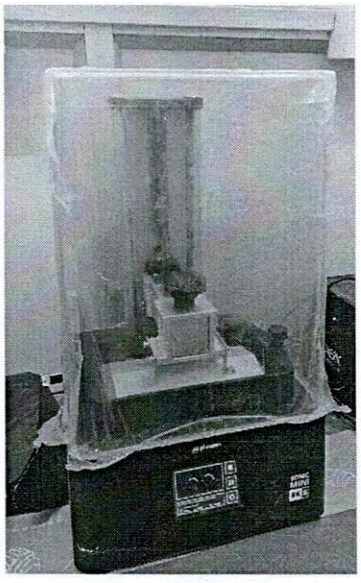
Myself, Sanjay Kumar.R,CRRI of Tagore Dental College and Hospital currently pursuing research under the supervision of research mentor Dr. Deepak from Dept. of orthodontics and topic of my study is **Effect of Print Angulation and Precision of Direct printed shape memory aligners (Graphy, Seoul) – AN INVITRO STUDY.**

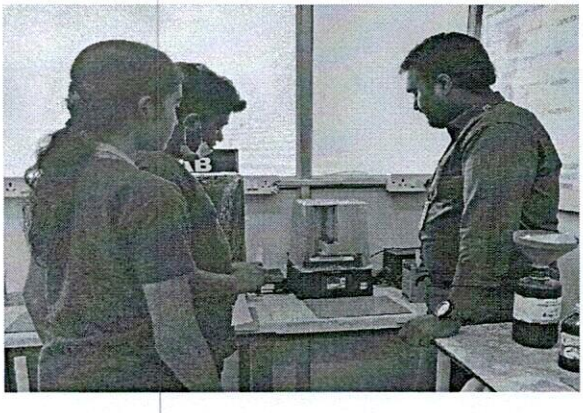
The following research topic approved by IRC and IEC. The material for the research is procured and the aligners printing process is ongoing following which comparison of aligners will be done in the WHITE LABS, SAVEETHA DENTAL COLLEGE AND HOSPITAL. Manuscript writing is ongoing simultaneously.

Signature of mentor

Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.
PRINCIPAL
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur Post,
Melakottaiyur, Chennai-600 127







Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
PRINCIPAL
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur Post,
Melakottaiyur, Chennai-600 127

From

Gayathri devi

CRRI

Tagore Dental College And Hospital,

Rathinamangalam,

Chennai.

TOPIC OF STUDY:

COMPARISON BETWEEN THE DEGREE OF CURE OF ORTHODONTIC COMPOSITE ATTACHMENT UNDERNEATH TWO DIFFERENT ALIGNER ATTACHMENT TEMPLATE MATERIALS [A PILOT STUDY]

RESEARCH DEPARTMENT:

Department Of orthodontics

Tagore Dental College And Hospital

COLLABORATIVE CENTRE:

White Labs,

Saveetha Dental College And Hospital, Poonamallee, Chennai.

CURRENT RESEARCH STATUS REPORT :

Respected Sir/Mam,

Myself, Gayathri devi

Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
PRINCIPAL
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur Post,
Melakottaiyur, Chennai-600 127

SIGNATURE OF GUIDE

CRRI of Tagore Dental College and Hospital currently pursuing research under the supervision of research mentor Dr. Aswini Soundharya from Dept. of orthodontics and topic of my study is
COMPARISON BETWEEN THE DEGREE OF CURE OF ORTHODONTIC COMPOSITE ATTACHMENT UNDERNEATH TWO DIFFERENT ALIGNER ATTACHMENT TEMPLATE MATERIALS [A PILOT STUDY]

The following research topic approved by IRC and IEC. We have started selecting samples and the research is yet to be started in the WHITE LABS, SAVEETHA DENTAL COLLEGE AND HOSPITAL. Manuscript writing will be started simultaneously



Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
PRINCIPAL
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur Post,
Melakottaiyur, Chennai-600 127

From

Rubaahar. S

CRRI

Tagore Dental College And Hospital,

Rathinamangalam,

Chennai.

TOPIC OF STUDY:

ASSESMENT OF COMMERCIALLY AVAILABLE WHITENING TOOTHPASTES ON COLOUR CHANGE OF STAINED TEETH – AN INVITRO STUDY.

RESEARCH DEPARTMENT:

Department Of Conservative Dentistry And Endodontics

Tagore Dental College And Hospital

COLLABORATIVE CENTRE:

White Labs,

Saveetha Dental College And Hospital, Poonamallee, Chennai.

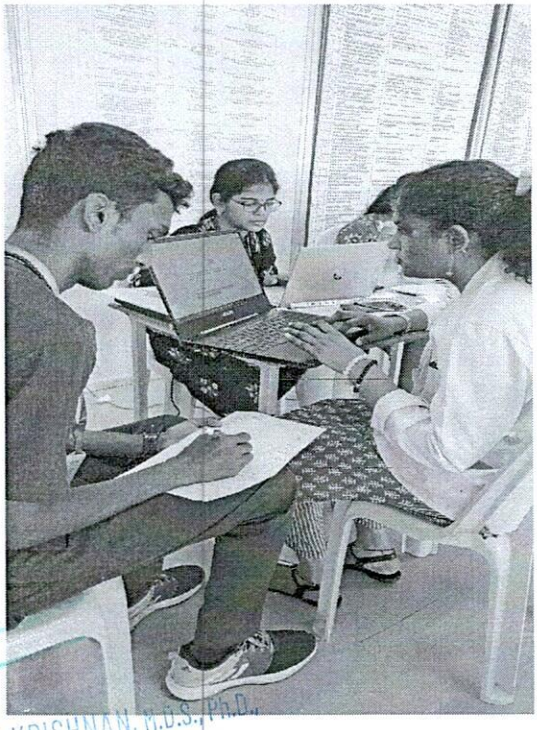
CURRENT RESEARCH STATUS REPORT :

Respected Sir/Mam,

Myself, Rubaahar. S

CRRI of Tagore Dental College and Hospital currently pursuing research under the supervision of research mentor Dr. Akshaya from Dept. of Conservative Dentistry and Endodontics and topic of my study is: **ASSESMENT OF COMMERCIALLY AVAILABLE WHITENING TOOTHPASTES ON COLOUR CHANGE OF STAINED TEETH – AN INVITRO STUDY.**

The following research topic approved by IRC and IEC. The material for the research is procured and the research is yet to be started in the WHITE LABS, SAVEETHA DENTAL COLLEGE AND HOSPITAL. Manuscript writing will be started simultaneously



Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
PRINCIPAL
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur Post,
Melakottaiyur, Chennai-600 127

28/9/24

From

Devaganesh S

CRRI

Tagore Dental College And Hospital,

Rathinamangalam,

Chennai.

TOPIC OF STUDY:

EFFECT OF GEL AND SOLUTION FORN OF PHOSPHORIC ACID ON SHEAR BOND STRENGTH OF COMPOSITE RESIN TO DENTIN- AN IN VITRO STUDY.

RESEARCH DEPARTMENT:

Department Of Conservative Dentistry And Endodontics

Tagore Dental College And Hospital

COLLABORATIVE CENTRE:

White Labs,

Saveetha Dental College And Hospital, Poonamallee, Chennai.

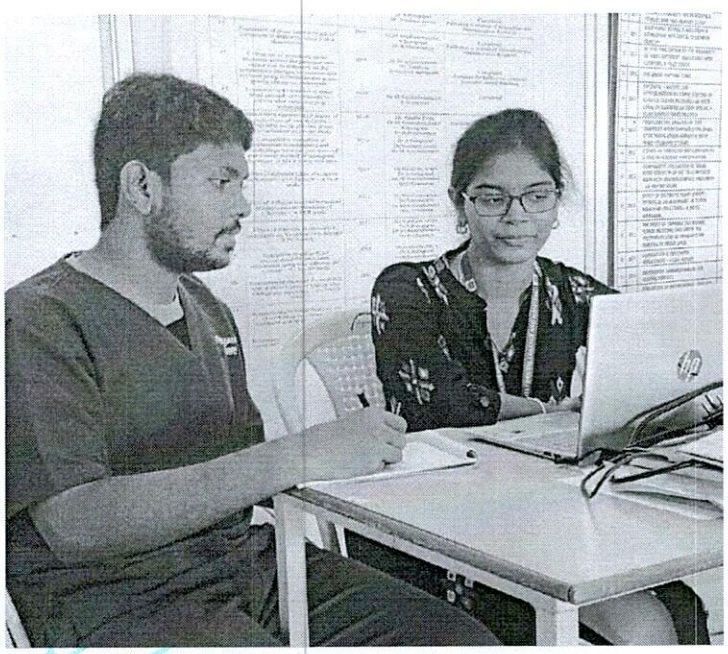
CURRENT RESEARCH STATUS REPORT : lab process

Respected Sir/Mam,

Myself, Devaganesh S

CRRI of Tagore Dental College and Hospital currently pursuing research under the supervision of research mentor Dr. Sangita from Dept. of Conservative Dentistry and Endodontics and topic of my study is: **EFFECT OF GEL AND SOLUTION FORN OF PHOSPHORIC ACID ON SHEAR BOND STRENGTH OF COMPOSITE RESIN TO DENTIN- AN IN VITRO STUDY.**

The following research topic approved by IRC and IEC. The material for the research is procured and the research has been started in the WHITE LABS, SAVEETHA DENTAL COLLEGE AND HOSPITAL. Manuscript writing will be started simultaneously.



For Dr. Sangita
30.9.2021

Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.
PRINCIPAL
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur Post,
Melakottaiyur, Chennai-600 127

From

Dr. JAYARAJ. A

Post Graduate student,

Department of Orthodontics and Dentofacial Orthopedics,

Tagore Dental College And Hospital,

Rathinamangalam,

Chennai.

TOPIC OF STUDY:

COMPARISON OF THE DIMENSIONAL ACCURACY OF LIQUID CRYSTAL DISPLAY PRINTERS (2K VS 3K VS 4K) IN ORTHODONTIC CLEAR ALIGNER TREATMENT

RESEARCH DEPARTMENT:

Department Of Orthodontics and Dentofacial Orthopedics

Tagore Dental College And Hospital

COLLABORATIVE CENTRE:

Saveetha Dental College And Hospital, Poonamallee, Chennai.

CURRENT RESEARCH STATUS REPORT :

Respected Sir/Mam,

Myself, Dr. Aswathi. S, Post Graduate student of Tagore Dental College and Hospital currently pursuing research under the supervision of research mentors Dr. BALAJI. K, Dr. RAJESH and Dr. PARAMESHWARAN from Department of Orthodontics and Dentofacial Orthopedics and topic of my study is: **COMPARISON OF THE DIMENSIONAL**

Dr. C.J. VENKATA RAMAN M.D.S., Ph.D.
PRINCIPAL
TAGORE DENTAL COLLEGE
Rathinamangalam,
Medavakkam

Dr. K. BALAJI, MDS
PROF & HOD
Department of Orthodonics
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur (PO)
Chennai-600 127.

ACCURACY OF LIQUID CRYSTAL DISPLAY PRINTERS (2K VS 3K VS 4K) IN ORTHODONTIC CLEAR ALIGNER TREATMENT

The research topic was approved by IRC and IEC. The material for the research is procured, Samples prepared and the research is under lab process in the SAVEETHA DENTAL COLLEGE AND HOSPITAL. Manuscript writing was completed.



Dr. C.J. VENKATA KRISHNAN, B.D.S., Ph.D.,
PRINCIPAL
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur Post,
Melakottaiyur, Chennai-600 127

HYDRO TECH

NO.15/2, 2ND STREET, CHOWDRY NAGAR, VALASARAWAKKAM, CHENNAI - 600 087, Tamil Nadu - 600087, India

GSTIN/UIN: 33AAFFH7964P1ZP

9445077281 / 9445386506

E-Mail : hydrotech3dchennai@gmail.com

DATE: 09/11/2023

TO WHOSOVER IT MAY CONCERN

This is to state that Phrozen Sonic mighty 4k and phrozen Sonic mighty 8k, Phrozen Mega Cure and Anycubic wash and cure machines has been used for comparing the dimensional accuracy of liquid crystal display 3D printers (2k vs 4k vs 8k) in orthodontic clear aligner treatment.

Study initiated by

Dr. Jayaraj R

Post graduate

Department of Orthodontics and Dentofacial Orthopedics

Tagore Dental College and Hospital Rathinamangalam

Chennai- 600127

Yours faithfully,

Hydrotech

HYDRO TECH CHENNAI

Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
PRINCIPAL
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur Post,
Melakottaiyur, Chennai-600 127

From

RAGHUL GEORGE MATHEW

Post graduate

Department of Orthodontics and Dentofacial Orthopedics

Tagore Dental College And Hospital,

Rathinamangalam,

Chennai.

TOPIC OF STUDY: FORCE ASSESSMENT OF THERMOFORMED ALIGNERS AND DIRECT 3D PRINTED ALIGNERS

RESEARCH DEPARTMENT:

Department Of Orthodontics and Dentofacial Orthopedics

Tagore Dental College And Hospital

COLLABORATIVE CENTRE:

IT COLLEGE,

CURRENT RESEARCH STATUS REPORT :

Respected Sir/Mam,

Myself, Rahul george mathew

Post graduate from- Department of Orthodontics and Dentofacial Orthopedics- Tagore Dental College and

Hospital currently pursuing research under the supervision of research guide Dr.Balaji. K from Department of Orthodontics and Dentofacial Orthopedics and topic of my study is: **FORCE ASSESSMENT OF THERMOFORMED ALIGNERS AND DIRECT 3D PRINTED ALIGNERS**

The following research topic approved by IRC and IEC. The material for the research is procured,Samples are to be collected and yet to start

Dr. K. BALAJI, MDS
PROF & HOD
Department of Orthodonics
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur (PO)
Chennai-600 127.

Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
PRINCIPAL
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam,Vandalur Post,
Melakottaiyur, Chennai-600 127

Research status report

FROM

Faizal.N

Dhanish kumar .K

CRRI

Tagore Dental College And Hospital,

Rathinamangalam,

Chennai.

TOPIC OF STUDY:

COMPARISON OF FORCE DELIVERED BY THERMOFORMED ALIGNERS AND DIRECTB 3D PRINTED ALIGNERS DURING CORRECTION OF ROTATED TEETH – AN INVITRO STUDY

RESEARCH DEPARTMENT:

Department Of orthodontics

Tagore Dental College And Hospital

COLLABORATIVE CENTRE :

IIT chennai.

CURRENT RESEARCH STATUS REPORT :Lab Work

Respected Sir/Mam,

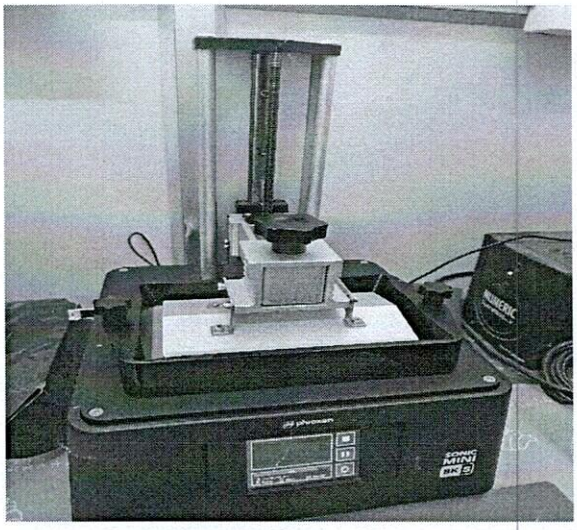
Ourself, ,Faizal.N and Dhanish Kumar CRRI of Tagore Dental College and Hospital currently pursuing research under the supervision of research mentor Dr. Parameshwaran andDr. Mahalakshmi from Dept. of orthodontics and topic of my study is"COMPARISON OF FORCE DELIVERED BY THERMOFORMED ALIGNERS AND DIRECTB 3D PRINTED ALIGNERS DURING CORRECTION OF ROTATED TEETH – AN INVITRO STUDY"

The following research topic approved by IRC and IEC. The material for the research is procured and the aligners printing process is ongoing following which comparison of aligners will be done in the IIT chennai. Manuscript writing is ongoing simultaneously .

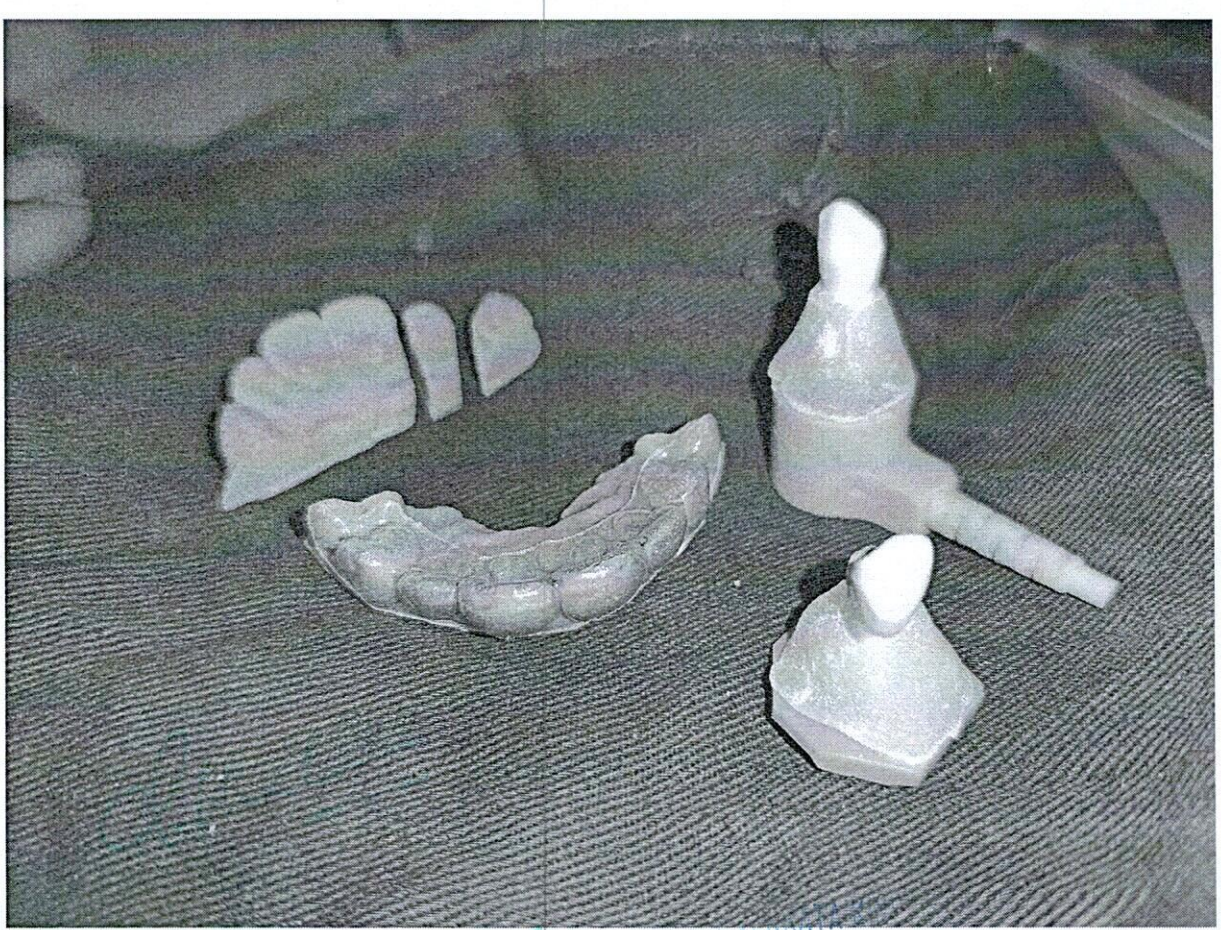
Dr. K. BALAJI, MDS
PROF & HOD
Department of Orthodonics
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur (PO)
Chennai-600 127.

Signature of mentor

Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
PRINCIPAL
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur Post,
Melakottaiyur, Chennai-600 127







PRINC
CORE DENTAL C
Rathinamanga
Melakottaiy

From,

Dr.Richwana S.T.

Post Graduate Student (3rd year M.D.S),

Department of Conservative Dentistry and Endodontics,

Tagore Dental College and Hospital,

Chennai-600127

TOPIC OF STUDY:

COMPARATIVE EVALUATION OF MINERALISATION POTENTIAL OF THREE DIFFERENT BIOCERAMIC SEALERS AND THEIR BIOCOMPATIBILITY USING HUMAN GINGIVAL FIBROBLAST CELLS – AN INVITRO STUDY

RESEARCH DEPARTMENT:

Department Of Conservative Dentistry and Endodontics

Tagore Dental College and Hospital

COLLABORATIVE CENTRE:

TRICHY RESEARCH INSTITUTE OF BIOTECHNOLOGY PVT. LTD.,

NO: 107-D, 2ND FLOOR,

9TH CROSS, THILLAI NAGAR (EAST), TRICHY– 620018

Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
PRINCIPAL
TAGORE DENTAL COLLEGE & HOSPITAL

14/10/24

CURRENT RESEARCH STATUS REPORT :

Respected Sir/Mam,

Myself, Richwana S.T.,

Postgraduate student of Tagore Dental College and Hospital currently pursuing research under the supervision of research mentor Dr.S.M.Venkatesan, The Head of the Department of Conservative Dentistry and Endodontics and the topic of my study is: **COMPARATIVE EVALUATION OF MINERALISATION POTENTIAL OF THREE DIFFERENT BIOCERAMIC SEALERS AND THEIR BIOCOMPATIBILITY USING HUMAN GINGIVAL FIBROBLAST CELLS – AN INVITRO STUDY**

The following research topic was approved by IRC and IEC. The material for the research is procured, Samples prepared and the research is ongoing in the Trichy Research Institute of Biotechnology. Manuscript writing has started simultaneously.

Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
PRINCIPAL
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur Post,
Melakottaiyur, Chennai-600 127

14/10/24

CASH RECEIPT

Trichy Research Institute of Biotechnology Pvt.Ltd.

No.107-D, 2nd Floor, 9th Cross (East), Thillai Nagar, Trichy - 620 018.
E.mail : contacttrcbt@gmail.com - Websit : www.trcbt.com
Cell : 99449 77828 / 95856 22639 / Ph.:0431-3590384

TRI-BIOTECH

Date : 18/7/24 Receipet Num : 231

Amount Receive From : M. Richaurce.

Address : Tagore Dental College.

Amount : Thirteen Thousand only

Purpose of Payment : Rs words.

Account	
Total Amount Due	
Amount Paid	
Balance Due	

Payment Made By	
Cash	
Cheque	
Others	

Amount Received By :

Authorized Signature

* Non Refundable

Rathinamangalam,Vandalur Post,
Melakottaiyur, Chennai-600 127

Transaction Successful

04:23 pm on 09 Oct 2024

Paid to

Trichy lab ₹18,860

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Transfer Details

Transaction ID

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Debited from

XXXXXX5313 ₹18,860

UTR: 513228841631

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UPI YES BANK

TAGORE DENTAL COLLEGE & HOSPI
Rathinamangalam,Vandalur Pc
Melakottaiyur, Chennai-600 1

From,

Dr.Suchithra Devi A.

Post Graduate Student (3rd year M.D.S),

Department of Conservative Dentistry and Endodontics,

Tagore Dental College and Hospital,

Chennai-600127

TOPIC OF STUDY:

SYNTHESIZING AND CHARACTERIZATION OF PAPAIN AND BROMELAIN GEL AND TO COMPARE THEIR PROTEASE ACTIVITY

RESEARCH DEPARTMENT:

Department Of Conservative Dentistry and Endodontics

Tagore Dental College and Hospital

COLLABORATIVE CENTRE:

TRICHY RESEARCH INSTITUTE OF BIOTECHNOLOGY PVT. LTD.,

NO: 107-D, 2ND FLOOR,

9TH CROSS,

THILLAI NAGAR (EAST),

TRICHY– 620018

14/10/2024

[DR. C. S. SHOBANA]
READER

Dr. C.S. VENKATA AMSHAN, M.D.S., Ph.D.,
PRINCIPAL
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur Post,
Melakottaiyur, Chennai-600 127

CURRENT RESEARCH STATUS REPORT :

Respected Sir/Mam,

Myself, Suchithra Devi A.,

Postgraduate student of Tagore Dental College and Hospital currently pursuing research under the supervision of research mentor Dr.C.S.Shobana, Department of Conservative Dentistry and Endodontics and the topic of my study is:

SYNTHESIZING AND CHARACTERIZATION OF PAPAIN AND BROMELAIN GEL AND TO COMPARE THEIR PROTEASE ACTIVITY

The following research topic was approved by IRC and IEC. The material for the research is procured, Samples prepared and the research is ongoing in the Trichy Research Institute of Biotechnology. Manuscript writing has started simultaneously.

14/10/2024
[DR. C. S SHOBANA]
READER

Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
PRINCIPAL
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur Post,
Melakottaiyur, Chennai-600 127

j

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+91 99449 77828

₹10,000

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18 Jul 2024, 5:21 pm

State Bank of India
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joejspr@oksbi

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anbazhaganvpm@oksbi

Google transaction ID
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POWERED BY UPI

G Pay

Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
PRINCIPAL
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur Post,
Melakottaiyur, Chennai-600 127

From

Yuvan Sai M.P

CRRI

Tagore Dental College and Hospital,

Rathinamangalam,

Chennai.

TOPIC OF STUDY:

INVITRO STUDY ON THE ANTIMICROBIAL PROPERTY OF POLYMETHYLMETHACRYLATE WITH ZINC OXIDE NANOPARTICLES

RESEARCH DEPARTMENT:

Department of Prosthodontics

Tagore Dental College and Hospital

COLLABORATIVE CENTRE:

IIITDM Kancheepuram

CURRENT RESEARCH STATUS REPORT:

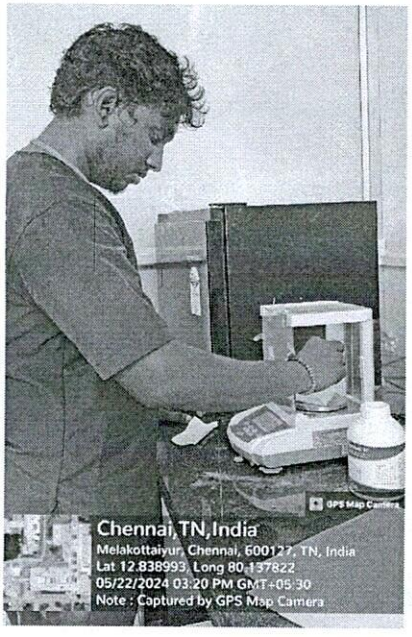
Respected Sir/Mam,

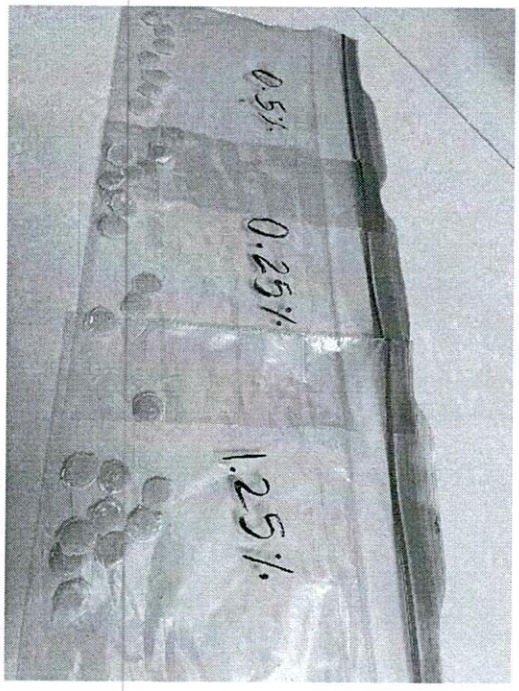
Myself, Yuvan Sai M P

CRRI of Tagore Dental College and Hospital currently pursuing research under the supervision of research mentor Dr. Aarthy from Dept. of Prosthodontics and topic of my study is:

INVITRO STUDYON THE ANTIMICROBIAL PROPERTY OFPOLYMETHYLMETHACRYLATE WITH ZINC OXIDENANOPARTICLES

The following research topic approved by IRC and IEC. The material for the research is procured and the research samples are completedand were tested in IIITDM Kancheepuram and waiting for results. Manuscript writing will be started simultaneously





Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
PRINCIPAL
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur Post,
Melakottaiyur, Chennai-600 127

(S. Aarthy)

From

Leena . M

CRRI

Tagore Dental College and Hospital,

Rathinamangalam,

Chennai.

TOPIC OF STUDY:

INFLUENCE OF REINFORCEMENT OF GLASS FIBRES AND ZINC OXIDE NANOPARTICLES ON THE FLEXURAL STRENGTH OF HEATPOLYMERIZED POLYMETHYL METHACRYLATE DENTURE RESIN – AN INVITRO STUDY

RESEARCH DEPARTMENT:

Department of Prosthodontics

Tagore Dental College and Hospital

COLLABORATIVE CENTRE:

IIITDM Kancheepuram

Metmech engineers lab

CURRENT RESEARCH STATUS : PREPARATION OF SAMPLE

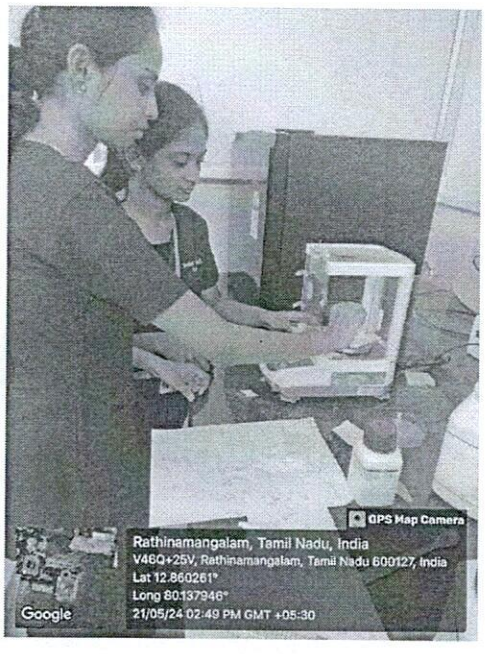
Respected Sir/Mam,

Myself, Leena

CRRI of Tagore Dental College and Hospital currently pursuing research under the supervision of research mentor Dr. Aarthy from Dept. of Prosthodontics and topic of my study is :

INFLUENCE OF REINFORCEMENT OF GLASS FIBRES AND ZINC OXIDE NANOPARTICLES ON THE FLEXURAL STRENGTH OF HEATPOLYMERIZED POLYMETHYL METHACRYLATE DENTURE RESIN – AN INVITRO STUDY

The following research topic approved by IRC and IEC. The material for the research is procured and the research samples are measuerd inIIITDM Kancheepuramand flexural strength to be measured in metmech engineers lab for pilot study. Manuscript writing will be started simultaneously



Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
PRINCIPAL
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur Post,
Melakottaiyur, Chennai-600 127

From

Sneha.R

CRRI

Tagore Dental College and Hospital,

Rathinamangalam,

Chennai.

TOPIC OF STUDY: " **An invitro comparative evaluation of flexural strength and fracture toughness of heat cured PMMA resin incorporated with polypropylene fibres** ".

RESEARCH DEPARTMENT:

Department of Prosthodontics

Tagore Dental College and Hospital

COLLABORATIVE CENTRE:

IIITDM Kancheepuram

Metmech engineers lab

CURRENT RESEARCH STATUS : PREPARATION OF SAMPLE

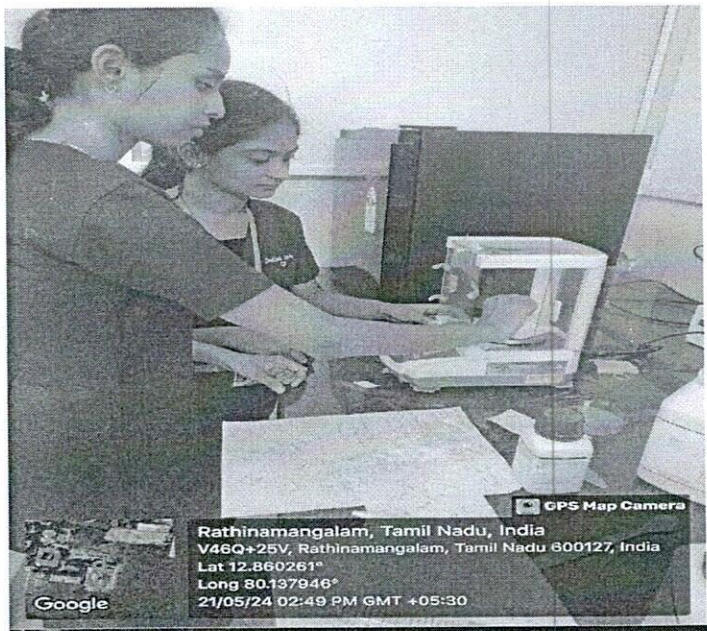
Respected Sir/Mam,

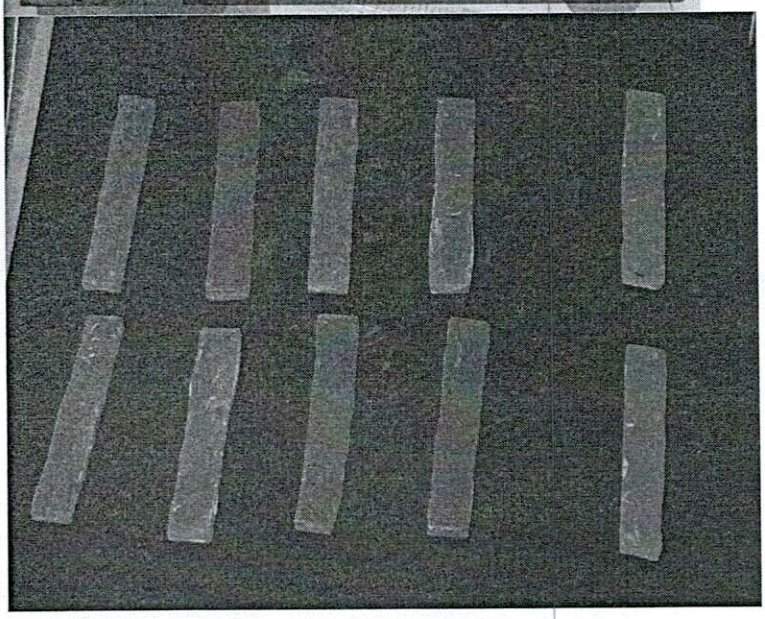
Myself, Sneha.R

CRRI of Tagore Dental College and Hospital currently pursuing research under the supervision of research mentor Dr. Aarthy from Dept. of Prosthodontics and topic of my study is :

" An invitro comparative evaluation of flexural strength and fracture toughness of heat cured PMMA resin incorporated with polypropylene fibres "

The following research topic was approved by IRC and IEC.The material for the research is procured and the research samples are measured in IIITDM Kancheepuramand flexural strength to be measured in metmech engineers lab for pilot study. Manuscript writing will be started simultaneously





Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.
PRINCIPAL
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur Post,
Melakottaiyur, Chennai-600 127

From

J.M.KARPAGA PRIYA

N.KEERTHANA

CRRI

Tagore Dental College And Hospital,

Rathinamangalam,

Chennai.

TOPIC OF STUDY:

COMPARTIVE STUDY OF COLOUR STABILITY AND TENSILE STRENGTH OF CONVENTIONAL ROOM TEMPERATURE VULCANIZED SILICONE AND MODIFIED ROOM TEMPERATURE VULCANIZED SILICONE BY INCORPORATING SILICON DIOXIDE NANOPARTICLES FROM BAMBOO EXTRACT.

RESEARCH DEPARTMENT:

Department Of Prosthodontics crown and bridge.

Tagore Dental College And Hospital

COLLABORATIVE CENTRE:

Avigen biotech laboratory,

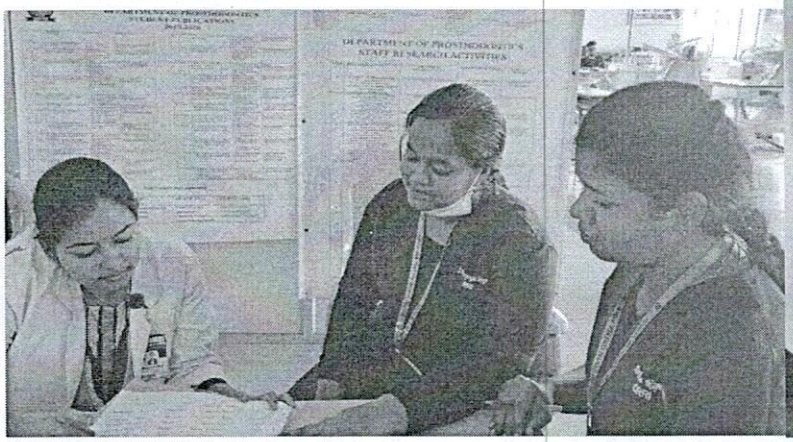
Maeon laboratory

CURRENT RESEARCH STATUS REPORT :

Respected Sir/Mam,

We, Keerthana.N and Karpagapriya.J.M CRRI of Tagore Dental College and Hospital currently pursuing research under the supervision of research mentor Dr. M. Navin Bharathy from Dept. of Prosthodontics crown and bridgeand topic of my study is: **COMPARTIVE STUDY OF COLOUR STABILITY AND TENSILE STRENGTH OF CONVENTIONAL ROOM TEMPERATURE VULCANIZED SILICONE AND MODIFIED ROOM TEMPERATURE VULCANIZED SILICONE BY INCORPORATING SILICON DIOXIDE NANOPARTICLES FROM BAMBOO EXTRACT.**

The following research topic approved by IRC and IEC. The samples have been prepared for the research and laboratory tests (colour stability and tensile strength) is yet to be started in the Maeon laboratory. Manuscript writing will be started simultaneously.





Dr. C.J. VENKATA KRISHNAN, M.D.S.,
PRINCIPAL
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur Post,
Kelambakkam, Chennai-600 127

REPORT

From,

Mogana preya. T

CRRI

Tagore Dental College and Hospital

Rathinamangalam,

Chennai.

DEPARTMENT:

Department of Periodontics,

Tagore Dental College and Hospital.

RESEARCH TITLE:

Comparison of antimicrobial effect between two different Platelet Rich Fibrin against *Streptococcus intermedius*

COLLABORATIVE RESEARCH COLLEGE:

Department of Microbiology,

Tagore Medical college and Hospital.

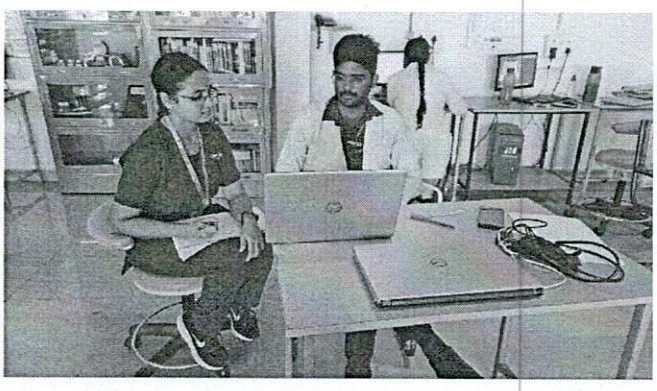
CURRENT RESEARCH STATUS REPORT:

Respected Sir/ Madam,

I have undertaken research study entitled "Comparison of antimicrobial effect between two different Platelet Rich Fibrin against *Streptococcus intermedius*" under the guidance of Dr. Vineet and Dr. Bhuvaneswari from department of Periodontics.

Order placement was done for *Streptococcus intermedius*and other armamentarium required for research was arranged.Started writing manuscript.

Study will be started shortly after the delivery of *Streptococcus intermedius.*



Dr. C.J. VENKATA KRISHNAN, M.D.S., F...
PRINCIPAL
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur Post,
Melakottaiyur, Chennai-600 127

9/10/24

SIGNATURE OF GUIDE

From

Muralidharan.K

CRRI

Tagore Dental College and Hospital,

Rathinamangalam,

Chennai.

TOPIC OF STUDY:

DETECTION OF ENTEROCOCCUS FAECALIS IN UNSTIMULATED WHOLE SALIVA AMONG TOBACCO AND NON-TOBACCO USERS- A CROSS-SECTIONALSTUDY

RESEARCH DEPARTMENT:

Department Of Oral Medicine and Radiology,

Tagore Dental College and Hospital

COLLABORATIVE CENTRE:

Department of Microbiology,

Tagore medical college and hospital

CURRENT RESEARCH STATUS REPORT:

Respected Sir/Mam,

Myself, Muralidharan.KCRRI of Tagore Dental College and Hospital currently pursuing research under the supervision of research mentor Dr.Sindhu from Department of Oral medicine and radiology and topic of my study is:**DETECTION OF ENTEROCOCCUS FAECALIS IN UNSTIMULATED WHOLE SALIVA AMONG TOBACCO AND NON-TOBACCO USERS- A CROSS-SECTIONAL STUDY**

The following research topic approved by IRC and IEC. The material for the research is not procured yet. The chromogenic agar which is ordered on July is on the way as it comes from overseas. It will arrive before october end, Manuscript writing is completed.

→ Agar yet to reach - hence study yet to be started. 8/10/24

Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
PRINCIPAL
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur Post,
Melakottaiyur, Chennai-600 127

From

AKSHAYA K.S.

CRRI

Tagore Dental College and Hospital,

Rathinamangalam,

Chennai.

TOPIC OF STUDY:

KNOWLEDGE AND AWARENESS REGARDING ORAL HEALTH AND PREGNANCY AMONG PREGNANT WOMEN VISITING A TERTIARY CARE TEACHING HOSPITAL - A QUESTIONNAIRE STUDY

RESEARCH DEPARTMENT:

Department of Oral Medicine and Radiology

Tagore Dental College and Hospital

COLLABORATIVE CENTRE:

Department Of Obstetrics and Gynaecology

Tagore Medical College and Hospital

CURRENT RESEARCH STATUS REPORT :

Respected Sir/Mam,

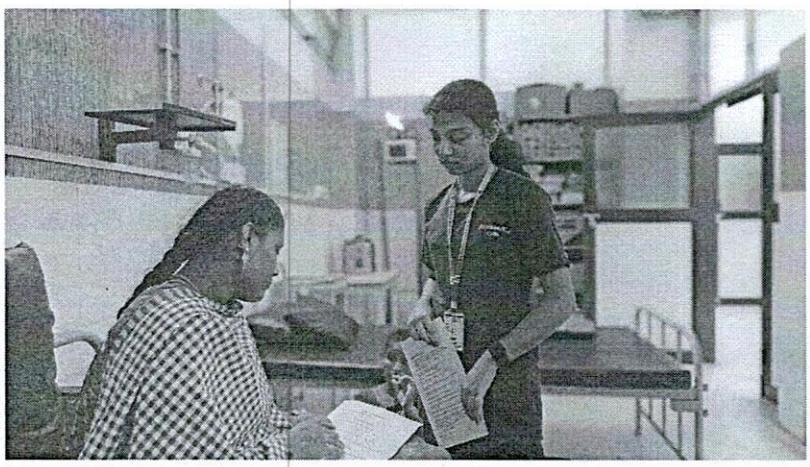
I, Akshaya of Tagore Dental College and Hospital currently pursuing research under the supervision of research mentor Dr.Narmatha N in the Department of Oral Medicine and Radiology and topic of my study is: ***KNOWLEDGE AND AWARENESS REGARDING ORAL HEALTH AND PREGNANCY AMONG PREGNANT WOMEN VISITING A TERTIARY CARE TEACHING HOSPITAL - A QUESTIONNAIRE STUDY***

The research has been approved by IRC and IEC.

Data collection and Manuscript writing in process.

So far 50 samples has been collected from pregnant women visiting Tagore Medical College and Hospital.

Manuscript writing till Materials and methods had been completed.



N. Narmatha

Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
PRINCIPAL
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur Post,
Melakottaiyur, Chennai-600 127

TITLE

ASSESSMENT OF XEROSTOMIA AND SALIVARY FLOW RATE IN TYPE II DIABETIC AND NON-DIABETIC INDIVIDUALS: A CASE-CONTROL STUDY FOR UNDERSTANDING ORAL HEALTH IMPLICATIONS

PRINCIPAL INVESTIGATOR

SWARNAMALIKA S

CRRI BDS

CO INVESTIGATOR

DR ANGELIN TEENA S MDS

SENIOR LECTURER

DEPARTMENT OF ORAL MEDICINE AND RADIOLOGY

TAGORE DENTAL COLLEGE AND HOSPITAL

COLLABORATIVE RESEARCH COLLEGE

DEPARTMENT OF GENERAL MEDICINE

TAGORE MEDICAL COLLEGE AND HOSPITAL

DETAILED CURRENT RESEARCH STATUS REPORT

Respected Sir/Mam,

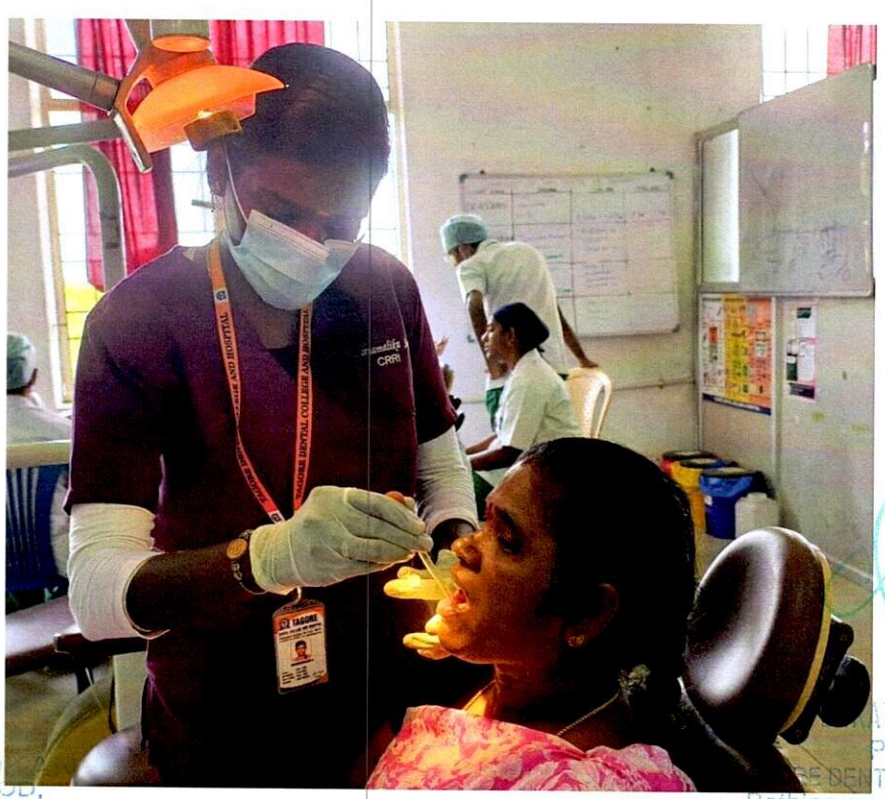
I am SWARNAMALIKA S of Tagore Dental College and Hospital currently pursuing research under the supervision of research mentor DR. ANGELIN TEENA S in the Department of Oral Medicine and Radiology titled as **"Assessment of Xerostomia and Salivary Flow rate in Type II Diabetic and Non-diabetic individuals: A Case Control Study for Understanding Oral Health Implications".**

The research has been approved by both **IRC** and **IEC**.

Data collection and **Manuscript writing** in process.

So far **90** samples have been collected from Type II Diabetic and Non-diabetic patients.

Manuscript writing till Introduction had been completed.



Dr. S.S. ASO
Professor & HOD,
Dept. of Oral Medicine & Radiology,
TAGORE DENTAL COLLEGE AND HOSPITAL
RATHINAMANGALAM, MELAKKOTTAIYUR (P.O)
CHENNAI-600 127.

ATA KRISHNAN, M.D.S., Ph.D.
PRINCIPAL
TAL COLLEGE & HOSPITAL
Rathinamangalam, Vandaiur Post,
Melakottaiyur, Chennai-600 127

From

Cynthiya B

CRRI

Tagore Dental College And Hospital,

Rathinamangalam,

Chennai.

TOPIC OF STUDY:

MOLECULAR DOCKING STUDY ON THE PHYTOCHEMICALS OF *MORINDA CITRIFOLIA* AND THEIR DERIVATIVES AS INHIBITORS OF GLYCOSYL TRANSFERASE OF *STREPTOCOCCONS MUTANTS*

RESEARCH DEPARTMENT:

Department Of Conservative Dentistry And Endodontics

Tagore Dental College And Hospital

COLLABORATIVE CENTRE:

Department of Microbiology

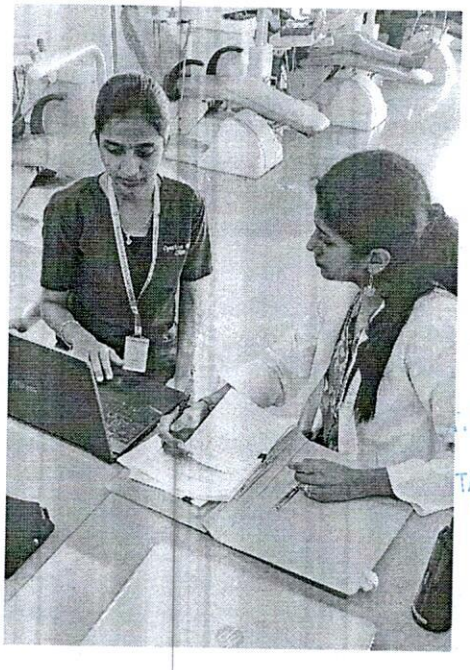
Tagore medical college and hospital

CURRENT RESEARCH STATUS REPORT :

Respected Sir/Mam,

Myself, Cynthiya B

CRRI of Tagore Dental College and Hospital currently pursuing research under the supervision of research mentor Dr. Vidya from Dept. of Conservative Dentistry and Endodontics and topic of my study is: **MOLECULAR DOCKING STUDY ON THE PHYTOCHEMICALS OF *MORINDA CITRIFOLIA* AND THEIR DERIVATIVES AS INHIBITORS OF GLYCOSYL TRANSFERASE OF *STREPTOCOCCONS MUTANTS*.** The research is being done in the Department of Microbiology, Tagore medical college and hospital. Research of docking has been completed and manuscript writing is going on.



Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
PRINCIPAL
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur Post,
Melakottaiyur, Chennai-600 127

V.Vidya

RESEARCH STATUS REPORT

From

Hemavathy M

CRRI

Tagore Dental College And Hospital,

Rathinamangalam,

Chennai.

TOPIC OF STUDY:

COMPARATIVE ASSESSMENT OFANTIBACTERIAL ACTIVITY BETWEEN COATED CHOLORHEXIDINE AND TRIPHALA 3-0 SILK SUTURE AGAINST STAPHYLOCOCCUS AUREUS – AN INVITRO STUDY

RESEARCH DEPARTMENT:

Department Of Oral and Maxillofacial Surgery

Tagore Dental College And Hospital

COLLABORATIVE CENTRE:

Department of Microbiology (Tagore Medical College and Hospital)

RESEARCH STATUS REPORT

CURRENT RESEARCH STATUS REPORT :

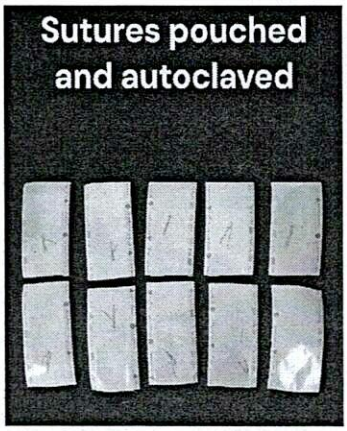
Respected Sir/Mam,

MYSELF, HemavathyM. CRRI of Tagore Dental College and Hospital currently pursuing research under the supervision of research mentor Dr. Jones Jayabalanfrom Dept. ofOral and Maxillofacial Surgery on the topic COMPARATIVE ASSESSMENT OFANTIBACTERIAL ACTIVITY BETWEEN COATED CHOLORHEXIDINE AND TRIPHALA 3-0 SILK SUTURE AGAINST STAPHYLOCOCCUS AUREUS – AN INVITRO STUDY

The following research topic was approved by IRC and IEC. The material for the research is purchased and the research is started.

Armamentarium –





PRINCIPAL
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandaiur Post,
Melakottaiyur, Chennai-600 127

Guide signature

From

SNEHA.S

CRRI

Tagore Dental College and Hospital,

Rathinamangalam,

Chennai.

TOPIC OF STUDY:

EVALUATION OF INVITRO DRUG RELEASE POTENTIAL OF SOLANUM NIGRUM CHIP – AN INVITRO STUDY.

RESEARCH DEPARTMENT:

Department Of Periodontology and Implantology

Tagore Dental College and Hospital

COLLABORATIVE CENTRE:

TAGORE COLLEGE OF PHARMACY ,vandalur – kelambakkam main road, Rathinamangalam, Melakottaiyur post, Tagore Engineering College Campus. Chennai-600127

TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur Post,
Melakottaiyur, Chennai-600 127

CURRENT RESEARCH STATUS REPORT :

Respected Sir/Mam,

I, Sneha.sof Tagore Dental College and Hospital currently pursuing research under the supervision of research mentor Dr.T.Abirami in the Department of Periodontology and Implantologyand topic of my study is: **EVALUATION OF INVITRO DRUG RELEASE POTENTIAL OF SOLANUM NIGRUM CHIP – AN INVITRO STUDY.**

The following research topic approved by IRC and IEC. Solanum nigrum chip preparation iscompleted and chip testing is under process at Tagore college of pharmacy.Manuscript writing has also began simultaneously.



Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
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From

ABITHA.K,

CRRI,

Tagore Dental College and Hospital,

Rathinamangalam,

Chennai.

TOPIC OF STUDY:

EVALUATION OF ANTIMICROBIAL EFFICACY OF SOLANUM NIGRUM AGAINST PERIODONTAL PATHOGENS -*Tannerella forsythia and Prevotella intermedia.*

RESEARCH DEPARTMENT:

Department Of Periodontology and Implantology

Tagore Dental College and Hospital

COLLABORATIVE CENTRE:

Regional Research Institute of Unani Medicine GovtUnani Hospital, Royapuram, Chennai, Tamilnadu

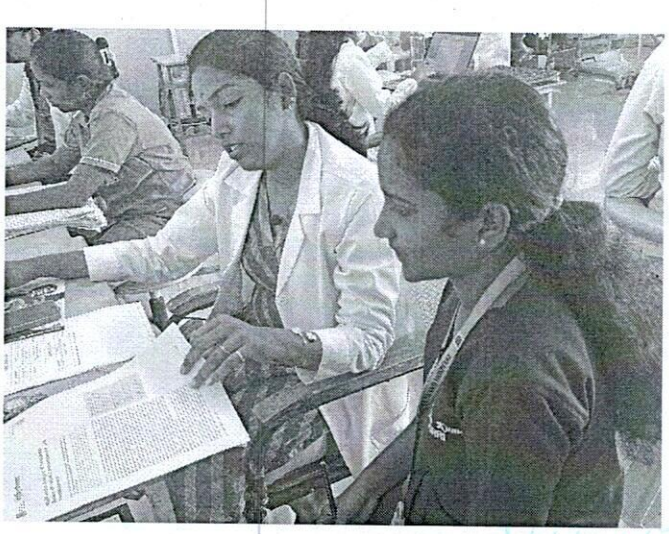
M.D.S., Ph.D.,
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TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur Post,
Melakottaiyur, Chennai-600 127

CURRENT RESEARCH STATUS REPORT :

Respected Sir/Mam,

I, Abitha of Tagore Dental College and Hospital currently pursuing research under the supervision of research mentor Dr.T.Abirami in the Department of Periodontology and Implantologyand topic of my study is: **EVALUATION OF ANTIMICROBIAL EFFICACY OF SOLANUM NIGRUM AGAINST PERIODONTAL PATHOGENS - Tannerella forsythia and Prevotella intermedia.**

The following research topic approved by IRC and IEC. The extract preparation is done and microbial testing is ongoing at the Regional Research Institute of Unani Medicine. Manuscript writing has also began simultaneously.



Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
PRINCIPAL
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Melakottaiyur, Chennai-600 127

From

SRISHTIKA MOHANA GANESH MURTHY

CRRI

Tagore Dental College and Hospital,

Rathinamangalam,

Chennai.

TOPIC OF STUDY:

EVALUATION OF ANTIMICROBIAL EFFICACY OF SOLANUM NIGRUM AGAINST PERIODONTAL PATHOGENS - *Porphyromonas gingivalis, Treponema denticola and Aggregatibacter actinomycetemcomitans.*

RESEARCH DEPARTMENT:

Department Of Periodontology and Implantology

Tagore Dental College and Hospital

COLLABORATIVE CENTRE:

Regional Research Institute of Unani Medicine Govt Unani Hospital, Royapuram, Chennai, Tamilnadu

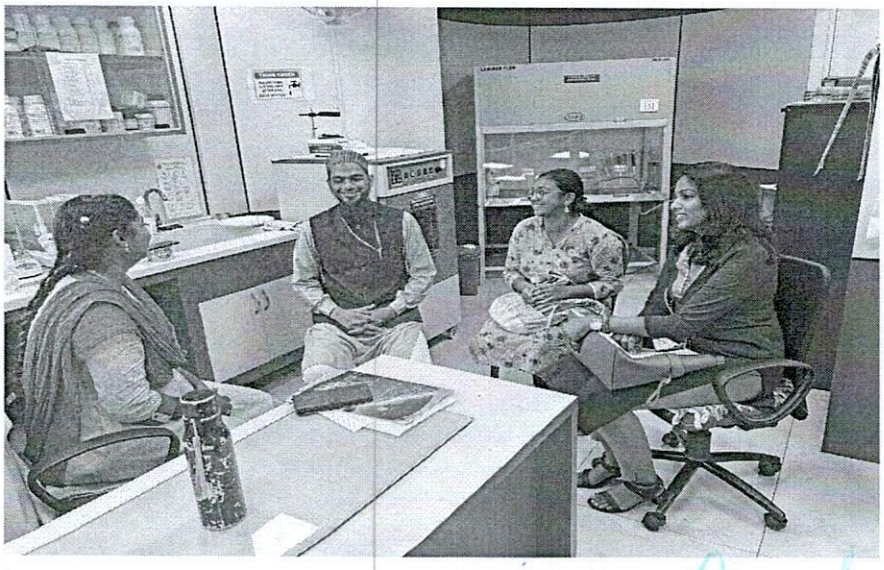
KRISHNAN, M.D.S., Ph.D.,
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TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur Post,
Melakottaiyur, Chennai-600 127

CURRENT RESEARCH STATUS REPORT :

Respected Sir/Mam,

I, Srishtika Mohana Ganesh Murthy of Tagore Dental College and Hospital currently pursuing research under the supervision of research mentor Dr.T.Abirami in the Department of Periodontology and Implantology and topic of my study is: **EVALUATION OF ANTIMICROBIAL EFFICACY OF SOLANUM NIGRUM AGAINST PERIODONTAL PATHOGENS** - ***Porphyromonas gingivalis, Treponema denticola and Aggregatibacter actinomycetemcomitans.***

The following research topic approved by IRC and IEC. The extract preparation is done and microbial testing is ongoing at the Regional Research Institute of Unani Medicine. Manuscript writing has also began simultaneously (Introduction and Methodology completed)



A. KRISHNAN, M.D.S., Ph.D.,
PRINCIPAL
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur Post,
Melakottaiyur, Chennai-600 127

PRINCIPAL INVESTIGATOR:

Dr.Lokeswari.P, post graduate

Department of Orthodontics and Dentofacial orthopaedics

Tagore dental college and hospital

GUIDE:

Dr. Sunil Chandy Varghese M.D.S, professor
Department Orthodontics and Dentofacial orthopedics
Tagore dental college and hospital

TITLE OF STUDY:

"COMPARISON OFDESIGNS AND POSITIONS OF CLEAR ALIGNER ATTACHMENT IN ORTHODONTIC TREATMENT USING FINITE ELEMENT ANALYSIS."

AIM

The intention of the study is to evaluate and compare the designs and position of attachments for rotation and torque correction during clear aligner therapy using finite element analysis.

OBJECTIVES

Evaluate and compare the stress distribution in various positions of positive and negative attachments for Rotational and Torque correction

STUDY DESIGN

This study is comparative observational invitro study.

MATERIALS AND METHOD

- ☐ Patient who visits the department of orthodontics and dentofacial orthopaedics, Tagore Dental College, Rathinamangalam, Chennai for orthodontic treatment will be considered based on the inclusion and exclusion criteria.
- ☐ The selected patient's dentition will be scanned using Intraoral scanner and a CBCT Scan will be prescribed with patient's consent.

Inclusion Criteria:

- ☐ Complete Permanent Dentition (without considering the eruption state of the third molar)
- ☐ Dentitions with rotated teeth and proclined/retroclined teeth requiring rotational and torque correction.

Exclusion Criteria:

- ☐ Previous Orthodontic Treatment.
- ☐ TMJ disorders.
- ☐ Congenital Abnormalities.

Study planning.

- The scan and CBCT data will be used to generate the FEM for this study.
- Finite element analysis 3D model is then created using Mimic software
- 3D FEA model will be evaluated for the attachment placement.
- Attachment design planning for rotation and torque movements are
    - Positive rotational attachment, negative rotational attachment,
    - Positive optimized root control attachments and negative torque ridges
- Two positions- buccal and lingual positions will be evaluated for the attachment placements
- Stress distributed by modified attachment designs and positions of attachments will be studied
- Then FEM model with attachment design and stress analysis will be statistically evaluated for optimal force delivery

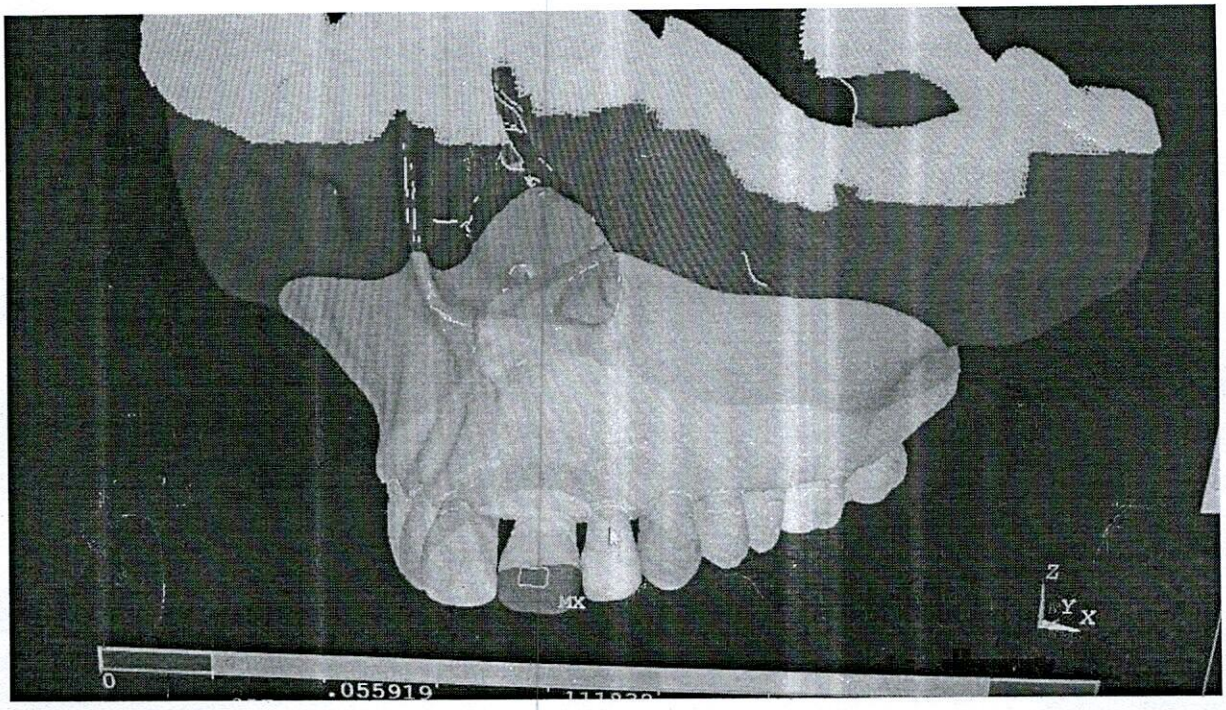
STUDY PROGRESS

Studystarted : SEP 2023

Conducted in :**HEXDOF engineering services Pvt Ltd,Chennai** for allowed me to utilize the facility FINITE ELEMENT METHOD SOFTWARE (ANSYS) for my study.

Took three months of duration to construct the finite element model and final analysis of the result.

Study completed : NOV 2023



Dr. K. BALAJI, MDS
PROF & HOD
Department of Orthodontics
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur (PO)
Chennai-600 127.

Dr. D.V. VENKATA KRISHNAN, M.D.S., Ph.D.,
PRINCIPAL
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Melakottaiyur, Chennai-600 127

TAGORE DENTAL COLLEGE & HOSPITAL

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E-mail : tagoredch@gmail.com / admin@tagoredch.in Website : www.tagoredentalcollege.com

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Affiliated to the Tamilnadu Dr. M.G.R. Medical University, Chennai.

INTERNATIONAL STUDENT CELL

PROGRAM CATEGORY	GUEST LECTURE
NAME	ARTIFICIL INTELLIGENCE IN DENTISTRY
DATE	31/04/2024
TIME	10.00AM – 11AM
VENUE	Dr APJ ABDUL KALAM AUDITORIUM
ORGANIZERS	INTERNTIONAL STUDENT CELL
NO. OF PARTICAPANTS	STUDENTS - 90

Dr. C.J.VENKATA KRISHNAN, M.D.S., Ph.D.,
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Melakottaiyur, Chennai - 600 127.

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TAGORE DENTAL COLLEGE & HOSPITAL
INTERNATIONAL STUDENT CELL
GUEST LECTURE
ARTIFICIAL INTELLIGENCE IN DENTISTRY

International Student Cell organized a guest lecture on "Artificial Intelligence in Dentistry". Dr G Padmanabha Kumar, Vice Dean and Professor in MAHSA University, Malaysia, was the invited speaker. He came on a visit to our college and delivered a guest lecture to the III BDS students.

Dr B Bhuvaneswari co coordinator of International Student Cell welcomed the guest speaker and introduced him to the students. She spoke about the activities of the committee and explained the importance of artificial intelligence in dentistry.

Dr C J VenkataKrishnan, Principal, spoke about the speaker and his continuing support with Tagore Dental College. He also felicitated the speaker with shawl and certificate.

Dr G Padmanabha Kumar spoke about the emergence of Artificial Intelligence and how it has been used in various aspects in dentistry. The data is feeded in and helps in analysis, diagnosis and efficient treatment planning. He also emphasized that we need to update about AI as it will be the future mode of application in dentistry. He concluded that students should actively take part in such research projects.

Vote of thanks was rendered by Dr B Bhuvaneswari.

Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
PRINCIPAL
TAGORE DENTAL COLLEGE & HOSPITAL
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Melakottaiyur, Chennai - 600 127.

TAGORE DENTAL COLLEGE & HOSPITAL

Rathinamangalam, Melakkottaiyur Post, Chennai - 600 127. Ph : 044 - 3010 2222
E-mail : tagoredch@gmail.com / admin@tagoredch.in Website : www.tagoredentalcollege.com

Recognized by The Dental Council of India, New Delhi
Affiliated to the Tamilnadu Dr. M.G.R. Medical University, Chennai.



Dr B Bhuvaneswari, Co coordinator of International Student Cell welcoming the guest speaker



Dr C J Venkata Krishnan, Principal, appreciating the guest speaker. coordinance with Tagore Dental College

Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
PRINCIPAL
TAGORE DENTAL COLLEGE & HOSPITAL
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Melakottaiyur, Chennai - 600 127.

TAGORE DENTAL COLLEGE & HOSPITAL

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E-mail : tagoredch@gmail.com / admin@tagoredch.in Website : www.tagoredentalcollege.com

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Affiliated to the Tamilnadu Dr. M.G.R. Medical University, Chennai.



Guest lecture given by Dr G Padmanabha Kumar



Felicitation by Principal with shawl, momento and certificate

Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
PRINCIPAL
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Melakottaiyur, Chennai - 600 127.

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E-mail: tagoredch@gmail.com/admin@tagoredch.in Website: www.tagoredentalcollege.com

Recognized by The Dental Council of India, New Delhi

Affiliated to the Tamilnadu Dr.M.G.R. Medical University, Chennai.

Research activities done under MOU with TRICHY RESEARCH INSTITUTE OF BIOTECHNOLOGY PVT. LTD (TRI BIOTECH) :

1] Dr. Varun Prasad _ Postgraduate Student did his research on "Preparation and characterization of curcumin and piperine nanoparticles and evaluation of their antibacterial efficacy against Streptococcus mutans and Lactobacillus sps- An *INVITRO* Study " on 20-03-2024



A. Addition of Ethanol and Hexane for Dissolving curcumin



B. Addition of Ethanol to dissolve piperine



C. Sonication of Curcumin in water bath

C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
PRINCIPAL
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Melakottaiyur, Chennai-600 127

TAGORE DENTAL COLLEGE & HOSPITAL

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E-mail : tagoredch@gmail.com / admin@tagoredch.in Website : www.tagoredentalcollege.com

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Affiliated to the Tamilnadu Dr. M.G.R. Medical University, Chennai.

DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY

REPORT ON

"BASIC LIFE SUPPORT"

DATE: 25.04.2024 & 26.04.2024

VENUE: APJ ABDUL KALAM AUDITORIUM.

TAGORE DENTAL COLLEGE AND HOSPITAL, CHENNAI 600127.

Prof. Dr. R.RIAZ, M.D.S.,
Professor & Head,
Dept of Oral & Maxillofacial Surgery
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur (P.O)
Chennai-600 127

Dr. C.J.VENKATA KRISHNAN, M.D.S., Ph.D.,
PRINCIPAL
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam
Melakkottaiyur

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E-mail : tagoredch@gmail.com / admin@tagoredch.in Website : www.tagoredentalcollege.com

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Affiliated to the Tamilnadu Dr. M.G.R. Medical University, Chennai.

"BASIC LIFE SUPPORT"

ORAGANIZERS	**DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY, TAGORE DENTAL COLLEGE AND HOSPITAL**
VENUE	**APJ ABDUL KALAM AUDITORIUM**
DATE	**APRIL 25 & 26**
TIME	**10.00AM – 3.00PM**
PARTICIPANTS	**3RD YEAR UNDER GRADUATES**

DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY
TAGORE DENTAL COLLEGE AND HOSPITAL
MELAKOTTAIYUR POST, RATHINAMANGALAM
CHENNAI – 600127
PH: 044 – 3010 2222, EXTN: 228 / 230
EMAIL ID: maxfacs@tagoredch.in

Prof.Dr. R.RIAZ,M.D.S.,
Professor & Head,
Dept of Oral & Maxillofacial Surgery
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur (P.O)
Chennai-600 127

PROF.M.MALA
CHAIRPERSON

DR.VENKATKRISHNAN
PRINCIPAL

Dr. C.J.VENKATA KRISHNAN, M.D.S., Ph.D.,
PRINCIPAL
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur (P.O)
Melakottaiyur, Chennai-600 127

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ORGANISING COMMITTEE

PROF.DR.RIAZ

DR.B.LOKESH

DR.BALAKRISHNA

DR.ISRAEL NATHANAEL RAJ

DR.J.JONES

DR.JEDIDIAH FREDRICK ABISHEG BRITTO

ORGANIZER: DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY, Tagore Dental College & Hospital

DATE: APRIL 25 & 26, 2024.

TOTAL PARTICIPANTS: 96.

Prof.Dr. R.RIAZ,M.D.S.,
Professor & Head,
Dept of Oral & Maxillofacial Surgery
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur (P.O)
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Dr. C.N.VENKATA KRISHNAN, M.D.S., Ph.D.,
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DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY

Email: maxfac1@tagoredch.in

TDC&H/OMFS/05/2024 08.04.2024

CIRCULAR

There will be a certificate course on "**BASIC LIFE SUPPORT**" by **TACT Academy** on **April 25 & 26.2024** at A.P.J.Abdul Kalam Auditorium, Tagore Dental College and Hospital. All third year BDS students are requested to attend the certificate course. Interested faculties can also attend the course.

HEAD OF THE DEPARTMENT

Prof.Dr. R.RIAZ,M.D.S.,
Professor & Head,
Dept of Oral & Maxillofacial Surgery
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur (P.O)
Chennai-600 127

PRINCIPAL

Dr.C.J.VENKATA KRISHNAN,M.D.S.,Ph.D.,
PRINCIPAL
TAGORE DENTAL COLLEGE & HOSPITAL
RATHINAMANGALAM, VANDALUR POST,
MELAKOTTAIYUR, CHENNAI-600 127.

Prof.Dr. R.RIAZ,M.D.S.,
Professor & Head,
Dept of Oral & Maxillofacial Surgery
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Dr. C.J.VENKATA KRISHNAN, M.D.S., Ph.D.,
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Melakottaiyur, Chennai - 600 127.

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Affiliated to the Tamilnadu Dr. M.G.R. Medical University, Chennai.

SCHEDULEOFPROGRAM: 25 April 2024

Program	Time
DAY-1 (1 ST BATCH)	**25.04.2024**
BLS THEORY LECTURE FOR 1ST BATCH OFTHIRDYEARSTUDENTS	10.00AM –11.00AM
TEABREAK	**11.00AM–11.15AM**
BLS THEORY LECTURE FOR 1ST BATCH OFTHIRDYEARSTUDENTS	11.15AM-1.15PM
LUNCH	**1.15PM–1.45PM**
HANDS ON FOR 1ST BATCH OF THIRD YEARSTUDENTS	1.45PM–2.45PM

SCHEDULEOFPROGRAM:26.4.2024

Program	Time
DAY-2 (2 nd BATCH)	**26.04.2024**
BLS THEORY LECTURE FOR 2 ND BATCH OFTHIRDYEARSTUDENTS	10.00AM –11.00AM
TEABREAK	**11.00AM–11.15AM**
BLS THEORY LECTURE FOR 2 ND BATCH OFTHIRDYEARSTUDENTS	11.15AM-1.15PM
LUNCH	**1.15PM–1.45PM**
HANDS ON FOR 2 ND BATCH OF THIRD YEAR STUDENTS	1.45PM–2.45PM

Prof. Dr. R.RIAZ, M.D.S.,
Professor & Head,
Dept. of Oral & Maxillofacial Surgery
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur (P.O)
Chennai-600 127

Dr. C.J.VENKATA KRISHNAN, M.D.S., Ph.D.,
PRINCIPAL
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LIST OF SPEAKERS:

1. DR.SANTHOSH ISAAC S

COURSE COORDINATOR

BASIC LIFE SUPPORT TRAINER

TACT (ACADEMY FOR CLINICAL TRAINING)

ANNANAGAR, CHENNAI

2. DR.G S AASHIKA

BASIC LIFE SUPPORT TRAINER

TACT (ACADEMY FOR CLINICAL TRAINING)

ANNANAGAR, CHENNAI

Prof.Dr. R.RIAZ,M.D.S.,
Professor & Head,
Dept of Oral & Maxillofacial Surgery
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur (P.O)
Chennai-600 127

Dr. C.J.VENKATAKRISHNAN, M.D.S., Ph.D.,
PRINCIPAL
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Melakottaiyur, Chennai - 600 127.

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E-mail : tagoredch@gmail.com / admin@tagoredch.in Website : www.tagoredentalcollege.com

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Affiliated to the Tamilnadu Dr. M.G.R. Medical University, Chennai.

TOPICSCOVERED:

1. INTRODUCTIONTOBASICLIFESUPPORT
2. THEORYTOBASICLIFESUPPORT
3. SCIENTIFICEVIDENCETOBASICLIFESUPPORT
4. ANDSONTOBASICLIFESUPPORT

ObjectiveandOutcome:

1. To explain students the various general life situations and clinicalsituationsforapplicationsofCARDIOPULMONARYRESUSCITATION(CPR)

2. Toteachstudents thescientificevidenceandtheoryofBASICLIFESUPPORT

3. To train students on mannequins the principles and performing ofCARDIO PULMONARY RESUSCITATION (CPR) as a fulfillment to be a BASIC LIFESUPPORTPROVIDER.

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Short Report:

The BASIC LIFE SUPPORT program was planned by the Department of Oral and Maxillofacial Surgery to provide a solid theoretical background and hands on training in CARDIO PULMONARY RESUSCITATION (CPR) to young dental students. Hence registration of third year students was done.

Third year students lecture on theoretical basics and principles of BASIC LIFE SUPPORT and scientific evidence for CARDIO PULMONARY RESUSCITATION was given by TACT. Students were separated into two groups in order to receive a good exposure to and hands on in giving CARDIO PULMONARY RESUSCITATION(CPR).
On the first day a batch of 47 students performed CARDIO PULMONARY RESUSCITATION(CPR) on mannequins. At the end of the hands on, test was conducted to assess the students understanding in basic life support. Remediation was done for students who did not perform well.

On the second day a batch of 46 students performed CARDIO PULMONARY RESUSCITATION(CPR) on mannequins. At the end of the hands on, test was conducted to assess the students understanding in basic life support.
Remediation was done for students who did not perform well
A total of 80 students were benefitted and trained in the TACT Academy certified Basic Life Support Program in this current academic year.

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PHOTOS









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ATTENDANCE SHEET

Prof.Dr. R.RIAZ,M.D.S.,
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BASIC LIFE SUPPORT PROGRAM

BATCH A 25/4/2024

	NAME	SIGNATURE
	ABHINAYA S	
	AISWARYA R	
	AKSHAYA B	
	AKSHAYA S V	
	AKSHIYA	
	AMRITHAVARSHINI S	
	AMSA BERTILLA L	
	ANAGHA P B	
	ANBUKARASI L	
	ANGEL C	
	ARUNRAM R	
	ASHWINI V	
	ATHITHI S	
	ATIKA SHARIEF I	
	AYISHA FAREEN M	
	BHAGYA SHREE B	
	BOOMIKA G	
	BOWDEEGAM	
	CHAKASHREE N	
	CHAITHESH KUMAR V	
	DHIVYA S	
	DINESHKUMAR E	
	DIVYA S	
	GOKILAVANI S	
	GOMATHI S	
	GOPIKA S	
	GUNA PRIYA P	
	HARINE R S	
	HARINI G	
	HARISH K	
	HARSHITA M	

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BASIC LIFE SUPPORT PROGRAM

BATCH B 26/4/2024

SNO	NAME	SIGNATURE
48	KAVIYA M	
49	KAVIYAM S	
50	LAVANYA R	
51	MAGIMA PRATHANA E	
52	MAHALAKSHMI P	
53	MARUTHAVARSHINI T	
54	MOGANAMBAL N	
55	MOHAMED FAIZUL ANFEEF S	
56	MOHANA PRIYA J R	
57	MOHITHA S	
58	NIHALSULTANA P	
59	NISHANTH S	
60	PADMASRI R	
61	PAVAN KUMAR P S	
62	POOJA S B	
63	POORNIMA B	
64	PREETHI P	
65	PREETHI V	
66	RAGA SRI K	
67	RAGAVI PRIYA S K	
68	RANJITHA B	
69	RUGANI R	
70	SAARUKESH K L	
71	SAMATHA MANASICA S G	
72	SANDHIYA RATHI G	

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73	SANKARALIAS HARIHARASUDHAN M	Sankay
74	SATHYA SHREE T	T. Sathy
75	SHARJA S	Sharja S
76	SHARNITHA K S	K.S.Sha
77	SHREE VARSHINI A M	Shree Vars
78	SINDHU S	S. Sindhu
79	SINEKAA R	R. Sinekaa
80	SIVA SATHYAN S	Siva Sathyan
81	SOMESHWARAN M	M Somesh
82	SOWMIYA RAJAN	Sowmiyarajan
83	SOWMIYA V	Sowmiya V
84	STANICA VAZ E	E. Stanica
85	SUDHAKAR S L	S. L. Sudhakar
86	SUJITHRA K	K. Sujithra
87	THARUN KUMAR S	S Tharun
88	VARSHINEE S	S. Varshinee
89	VARSHINI V	V. Varshini
90	VIGASH D	V Vigash D
91	VIJAI SANKAR K	Vijai Shankar K.
92	VINITH V	Vinith V
93	VISHNU PRIYA S V	Vishnu priya.
94	YASMEEN M	Yasmeen
95	MIRUDHULA (FINAL YEAR)	Mirudhula B

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CERTIFICATE

TACT ACADEMY FOR CLINICAL TRAINING

INDIA'S FIRST SIMULATION BASED HEALTHCARE TRAINING CENTRE

THIS IS TO CERTIFY THAT

K. JEEVAPRIYAN

has successfully completed the cognitive skill evaluation and demonstrated proficiency in accordance with the terms and conditions of TACT Academy for Clinical Training

in

BASIC LIFE SUPPORT

Dr. Ramesh Venkataraman
Course Co-Ordinator

Dr. N. Ramakrishnan
Managing Director

Certificate No: BLS/2024/04/451

Date: 25th/April/2024

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DEPARTMENT OF PERIODONTICS

PROGRAM CATEGORY	STUDENT EXCHANGE PROGRAM
NAME OF THE PROGRAMME	HANDS ON WORKSHOP ON 'DIODE LASER'
DATE	21.02.2024
DAY	WEDNESDAY
VENUE	Tagore Dental College& Hospital
ORGANISERS	Department of Periodontics
NUMBER OF PARTICIPANTS	9 CRI and 2 PG students

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DEPARTMENT OF PERIODONTICS

Organized

STUDENT EXCHANGE PROGRAM

Hands-on workshop on 'Diode Laser' for CRRI students from Meenakshi Ammal Dental College & Hospital

Date:21.02.2024

Venue: Tagore Dental College & Hospital

Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
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STUDENT EXCHANGE PROGRAM

Hands-on workshop on 'Diode Laser' for CRRI students from Meenakshi Ammal Dental College

Date:21.02.2024

Venue:Tagore Dental College & Hospital

The Department of Periodontics, Tagore Dental College conducted a Hands on workshop course on "LASER-Clinical Application in Dentistry" on 21.02.2024 for students from Meenakshi Ammal Dental College. The event was focused on providing knowledge regarding Laser and its application in dentistry. Nine CRRI and two PG students from Meenakshi Ammal Dental College & Hospital visited Tagore Dental College & Hospital.

The program started with a detailed Lecture on "Clinical Applications of LASER in Periodontics" by Dr.Bhuvaneswari, Professor and Head, Department of Periodontics. Hands on workshop with demonstration of LASER on inanimate objects like tomato and chicken was given by Dr.Bhuvaneswari, Professor and Head, Department of Periodontics, for students from Meenakshi Ammal Dental College & Hospital. The students were also given Hands on Laser training in tomato and chicken model.

Dr. K.J. SRINATA KRISHNAN, M.D.S., Ph.D.,
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Live demonstration of LASER surgical procedures like frenectomy ,vestibuloplasty and crown lengthening was given by Dr.Bhuvaneswari, Professor and Head , Department of Periodontics. Feedback about the program was collected using google forms. The students were presented with certificates by Dr.C.J.Venkatakrishnan, Principal,Tagore Dental College & Hospital.

PHOTOS



Lecture on 'Clinical Application of Laser In Periodontics' by Dr.Bhuvaneswari, Professor and Head , Department of Periodontics.

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Department of orthodontics and dentofacial orthopaedics

Email: ortho@tagore dch.in

Department MOU activities with KSR Dental college

A Memorandum of Understanding (MOU) was executed with KSR Institute of Dental Science and Research to facilitate resource sharing and collaborative research endeavors on December 2021. In accordance with the MOU, a student from KSR Institute of Dental Science and Research visited our institute on August 17, 2023, to utilize the Vista-Dent and Dolphin imaging software available at our facility.





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PROF & HOD
Department of Orthodontics
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ACTIVITY UNDER MOU WITH AIMST UNIVERSITY

AIMST UNIVERSITY
Educating Tomorrow's Leaders

Date: 17 April 2024

To,

Dr C.J. Venkatakrishnan., MDS, PhD
Principal,
Tagore Dental College and Hospital
Chennai, India

APPRECIATION LETTER FOR CO-ORGANISER

Dear Dr. C J. Venkatakrishnan,

I extend heartfelt thanks to Tagore Dental College and Hospital for partnering as our co-organizer for the International Conference on Environmental, Social, Governance (ESG) in Dentistry, hosted by AIMST University on March 23rd and 24th, 2024. Your collaborative efforts significantly enriched the conference, fostering insightful discussions and advancing sustainable practices in dentistry.

We deeply appreciate your commitment to excellence and look forward to future collaborations as our MoU partner.

Warm Regards

PROF. DR. RAMESH KUMARESAN
DEAN
FACULTY OF DENTISTRY

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Research activities done under MOU with Saveetha Dental College and Hospital:

1] Dr.Athira_ Postgraduate Student did her research on "Comparing the influence of Matrix finish on the abrasion resistance on packable and injectable resin composite – An *INVITRO* Study" on 30-03-2024.



A. Atomic Force microscopic analysis



B. Surface Topographic Analysis using Surface Profilometer



C.Tooth Brush Abrasion Stimulator

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Research activities done under MOU with Saveetha Dental College and Hospital:

2] Elamaran did the thermocyling procedure for his research samples at White Lab on 20-02-2024

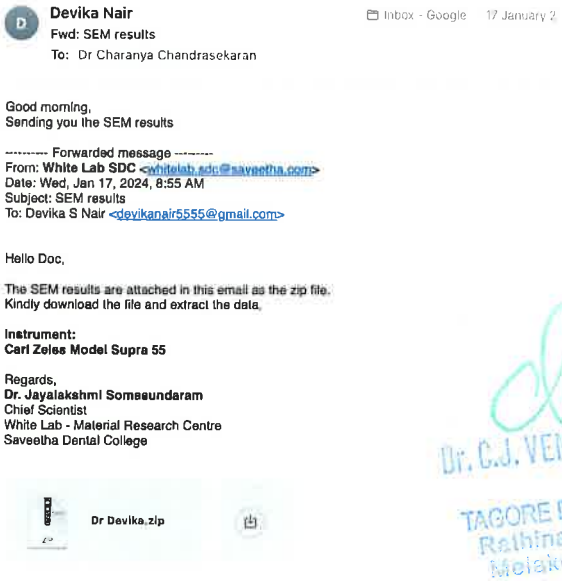


WHITE LAB

INVOICE

Invoice from White Lab

3] Devika Nair did SEM analysis for her research samples at White Lab on 15-01-2024



Devika Nair

Inbox - Google 17 January 2

Fwd: SEM results

To: Dr Charanya Chandrasekaran

Good morning,
Sending you the SEM results

--------- Forwarded message ---------
From: **White Lab SDC** <whitelab.sdc@saveetha.com>
Date: Wed, Jan 17, 2024, 8:55 AM
Subject: SEM results
To: Devika S Nair <devikanair5555@gmail.com>

Hello Doc,

The SEM results are attached in this email as the zip file.
Kindly download the file and extract the data.

Instrument:
Carl Zeiss Model Supra 55

Regards,
Dr. Jayalakshmi Somasundaram
Chief Scientist
White Lab - Material Research Centre
Saveetha Dental College

Dr Devika.zip

Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
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Results mail received from the Chief Scientist – White Lab

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ACTIVITY UNDER MOU WITH B.S.ABDUR RAHMAN CRESENT INSTITUTE OF SCIENCE AND TECHNOLOGY

SIMBIOEN LABS AND SCIENTIFIC SERVICES PRIVATE LIMITED

CORRELATION BETWEEN PHORPHYROMONAS GINGIVALIS LIPOPOLYSACCHARIDE AND ALZHEIMER INDUCED BY SCOPOLAMINE IN ZEBRAFISH

INTRODUCTION:

Cognitive impairment and neurodegenerative disorders characterized by progressive cognitive decline, memory impairment, and behavioral abnormalities, such as Alzheimer's disease (AD), pose significant challenges to global public health. As the global population ages, AD has become a major public health concern. Understanding the underlying mechanisms and identifying effective therapeutic interventions for cognitive decline is of utmost importance. Despite extensive research, the exact etiology and mechanisms underlying the development and progression of AD remain incompletely understood. Recent studies have highlighted the potential involvement of chronic inflammation and infections in the pathogenesis of AD.

In recent research, it has been suggested that the impact of scopolamine-induced AD can be exacerbated by lipopolysaccharides (LPS) produced by Porphyromonas gingivalis, a Gram-negative anaerobe bacterium associated with gum disease. LPS is a component of the bacterial cell wall that can induce an inflammatory response in the body, including the brain. Notably, studies have demonstrated that P. gingivalis and its LPS can access the brain via several routes, including the bloodstream, cranial nerves, and olfactory pathways. Once in the brain, LPS can induce a sustained inflammatory response, leading to the release of pro-inflammatory cytokines, reactive oxygen species (ROS), and neurotoxic substances. This chronic inflammation may contribute to neurodegeneration and the subsequent cognitive decline observed in AD. This ultimately worsens the condition of AD in individuals with existing neurodegenerative changes.

Zebrafish (*Danio rerio*) are gaining prominent interest in genetics, pharmacology, and behavioral studies. Zebrafish, being a vertebrate, have a 70-80% of genetic similarities to humans and are utilized as animal models for a variety of human diseases. Benefits of using Zebrafish - High fecundity, minimal maintenance costs, transparent embryos, and quick growth. Different types of strains of Zebrafish (Danio rerio) are available, but the wild type strain is the most popular for pharmacological study.

SIMBIOEN LABS AND SCIENTIFIC SERVICES PRIVATE LIMITED, LAB FACILITY: CRESCENT INNOVATION AND INCUBATION COUNCIL, B.S ABDUL RAHMAN CRESCENT INSTITUTE OF TECHNOLOGY, VANDALUR, CHENNAI – 600 048. Ph - 91 8056192374, www.simbioen.com, admin@simbioen.com simbioenstudies@gmail.com

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Department of orthodontics and dentofacial orthopaedics

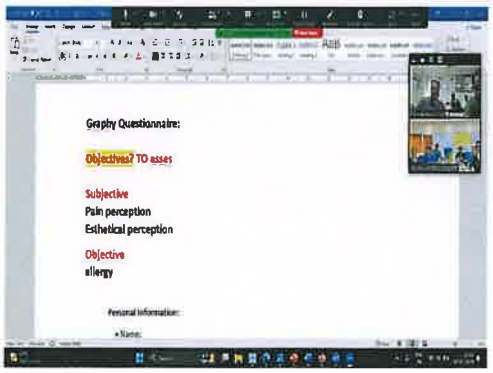
Email: ortho@tagore dch.in

Department MOU activities with Vishnu dental college

A Memorandum of Understanding (MOU) was executed with Vishnu Dental College to facilitate resource sharing and collaborative research endeavors on November 2023. In accordance with the MOU,

- Dr. Padma Priya, HOD VISHNU DENTAL COLLEGE visited our institute and gave a guest lecture on direct printed aligners and 3D printing protocol.
- Our Post graduate students Dr. Aswathi and Dr. Daffy Jacintha utilized their direct printing aligner technology for their thesis.
- And there is an ongoing research collaboration between both the institutes on direct printed aligners from May 2024 through Zoom meeting.





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Dr. K. BALAJI, MDS
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EFFECT OF VARIOUS ROOT CANAL DISINFECTION PROCEDURES ON EXPRESSION OF ENTEROCOCCUS FAECALIS VIRULENCE FACTOR – A PCR STUDY

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Abstract

Objective: To compare and evaluate antimicrobial effects of 2% Chlorhexidine (CHX) versus 0.1% Octenidine Dihydrochloride (OCT) as root canal irrigant with and without Laser activation against *Enterococcus faecalis* virulence factor - *E. faecalis* endocarditis antigen (efaA) using real time polymerase chain reaction. **Aim:** To evaluate the effect of various root canal disinfection procedures on expression of *Enterococcus faecalis* virulence factor (efaA) using real time PCR. **Methods and Materials:** Forty single rooted premolars were taken and decoronated to standardize the root length as 14 mm. The canals were instrumented up to F3 Protaper Gold and teeth were autoclaved at 121°C for 20 minutes at 15 psi. 0.1 mL of the bacterial suspension was injected into the root canals, and the samples were incubated at 37°C and 100% humidity for 21 days. The samples were randomly divided into four groups: Group I – 2% Chlorhexidine, Group - II 2% Chlorhexidine with Laser, Group III – 0.1% Octenidine dihydrochloride, Group IV- 0.1% Octenidine dihydrochloride with Laser. After the irrigation protocol, Paper points were used to transfer the contents of the canal. PCR was performed to detect the presence of Enterococcus faecalis virulence factor (efaA). **Results:**Octenidine (0.1%) was more effective than 2% Chlorhexidine against *E. faecalis*. Group II and IV showed significant difference compared to Group I and III with statistically significant difference ($p<0.001$). Laser activation enhanced the antimicrobial action of the irrigants. **Conclusion:** Octenidine (0.1%) was more effective than 2% Chlorhexidine against *E. faecalis*. Laser activated irrigation proved to enhance the antimicrobial action of the irrigants.

Keywords: Octenidine Dihydrochloride, Chlorhexidine, Vireulence Factor, E. Faecalis.

INTRODUCTION

The success of root canal treatment relies on complete debridement, asepsis and three dimensional obturation. Literature shows that various primary and secondary microorganisms are present in the root canal. The most common bacteria discovered in persistent/secondary infections has been confirmed as E. faecalis. (1) *Enterococcus faecalis* (E. faecalis) is an extremely resistant strain of microorganism that persists in the root canal even after treatment, frequently causing 24% to 77% of endodontic failures. However, E. faecalis has been found in cases where there have been no apical periodontitis lesions. (2) Molecular analysis supported this, leading to the conclusion that it may not be necessarily the major pathogen related with post-treatment illness.(3) The reason for the presence of E. faecalis in cases with and

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RESEARCH
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CLEANING, SHAPING AND OBTURATION PROTOCOLS FOLLOWED BY DENTISTS IN INDIA – A SURVEY

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Abstract

Introduction: The main objective of endodontic therapy is the complete elimination of microbes and their by-products from the root canal system. Despite the high success rate of root canal treatment, there are failures too. Hence, our survey aimed to investigate the differences in cleaning, shaping, and obturation protocols followed among general dentists and endodontists in India. **Method:** A multiple choice questionnaire was designed and distributed to 700 dentists in India through a social media application. The questions covered all the protocols and techniques for root canal treatment. The collected data was analyzed using descriptive statistics at a 0.05 level of significance to get the results as frequencies and percentages. **Results:** A total of 332 dentists among 700 participated in the survey. Among 332 dentists, 181 were non-endodontists and 149 were endodontists. The highest number of participants used K- hand files for instrumentation followed by NiTi rotary instruments in a torque with gear reduction handpiece following the Step-back technique. Participants polled for calcium hydroxide as a choice of interappointment intracanal medicament in case of lesion and the patients were recalled after 7 days. 99.69% of participants favored the usage of gutta-percha with zinc oxide eugenol for root canal obturation. Most of the participants used composite restoration as post-endodontic restoration and advocated crowns in all cases **Conclusions:** Though there were only 332 participants in this survey, the study was able to provide the details of the dental practice among the population. This survey could also show the standard of care, knowledge, and skills that have improved due to continual dental education through conferences, seminars, and workshops. However, further studies are necessary to evaluate this trend.

Keywords: Root Canal Treatment, Endodontics, Dental Practice, Survey.

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INTRODUCTION

The main objective of endodontic therapy is the complete elimination of microbes and their by-products from the root canal system. Cleaning, shaping, and obturation are indeed the endodontic triad of successful root canal therapy. Emphasis is laid on three-dimensional obturation as it provides a fluid-tight seal and prevents the reinfection of root canals. Despite the high success rate of endodontic treatment, failures do occur. This may be due to inadequate knowledge about the tooth anatomy, improper mechanical debridement, bacterial persistence in the canals, poor obturation quality, and coronal leakage. (1) Thus, root canal therapy is a technically challenging procedure, that fails, when it falls short of acceptable standards. Although chemo-mechanical root canal preparation using instruments and irrigation systems are effective in reducing microorganisms. With an ever-increasing number of endodontic treatments being done each day, it has become imperative to avoid or minimize the most fundamental reasons leading to endodontic failure. Several studies have been conducted in many countries about the attitudes of dentists toward various aspects of

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Cureus. 2023 Sep 24;15(9):e45852. doi: 10.7759/cureus.45852. eCollection 2023 Sep.

Comparative Evaluation of Fluoride Release and Compressive Strength of Biodentine Modified Using Sodium Fluorosilicate and Hydrofluoric Acid: An In-Vitro Study

Velayudham Sekhar [1], Shekar Shobana [2], Mahendran Kavitha [1]

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Abstract

Introduction Calcium trisilicate derivatives have widely been used as dentin and enamel substitutes recently. These cements have excellent biological properties, but they do not show fluoride release. The release of fluoride from dental materials is a very important property of a material in restorative applications as fluoride confers antibacterial and anti-cariogenic properties. This study thus attempts to incorporate fluoride in the form of sodium fluorosilicate and hydrofluoric acid into Biodentine to assess its fluoride-releasing properties. Methods Biodentine was modified by adding 7% sodium fluorosilicate in the powder and 10% hydrofluoric acid to the liquid. Fluoride release was measured using a sodium 2-(parasulfophenylazo)-1,8-dihydroxy-3,6-naphthalenedisulfonate (SPADNS) spectrophotometer after 1, 3, 7, 14, 21, and 28 days. The compressive strength of the modified material was measured using a universal testing machine. Results Fluoride release was found to be higher in the group that had both powder and liquid modified than in groups in which either of the components were modified. The difference was found to be statistically significant ($p<0.001$). Conclusion Incorporation of fluoride in Biodentine is feasible with acceptable release of fluoride without adversely affecting the compressive strength of the Biodentine.

Keywords: biodentine; fluoride release; hydrofluoric acid; sodium fluorosilicate; spectrophotometer.

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Figures

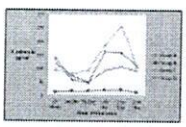


Figure 1. Line diagram showing fluoride release...

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Journal of Herbmed Pharmacology

Effect of gallic acid as a final irrigant on push-out bond strength of an epoxy resin sealer to root canal dentin

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ABSTRACT

Introduction: Ethylenediaminetetraacetic acid (EDTA), a widely used chelating agent, compromises the bond strength of resin-based sealers when used as a final irrigating solution. Hence, the push-out bond strength of AH Plus, a resin-based sealer, was analyzed when gallic acid, "a chelator" was used as a last irrigating solution.

Methods: Forty human single-rooted teeth were accessed and randomly assigned into 4 groups (n = 10): EA (17% EDTA), MA (7% maleic acid), GA (10% gallic acid), and SA (saline). After irrigation, the root canals were coated with AH Plus sealer and obturated using gutta-percha. The root canals were sectioned horizontally into coronal, middle, and apical thirds for evaluating the push-out bond strength. A universal testing machine with a compressive loading of 1 mm/min was employed to test the samples.

Results: An increased push-out bond strength was noted with GA in coronal one-third compared to EA and SA but not significant compared to MA ($P > 0.05$). Similar observations were seen in the middle one-third; however, it was statistically significant compared to all other groups ($P < 0.05$). Also, the difference between the groups in the apical one-third was not significant. SA showed the lowest push-out bond strength than experimental groups, which was significant in all three sections ($P < 0.05$).

Conclusion: The final rinse of 10% gallic acid increased the push-out bond strength of AH Plus to the root dentin in all thirds of the root canal. Hence, gallic acid 10% might be an effective alternative solution in place of synthetic chelators.

Implication for health policy/practice/research/medical education:
Gallic Acid can be a preferred final irrigating solution during chemo-mechanical preparation when employing the resin-based AH Plus sealer. The higher bond strength of the sealer to root dentin signifies improved sealing ability, which results in less microleakage.

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Introduction

The favorable result of root canal treatment is determined by complete debridement, shaping, and disinfection of the root canal system (1). Thorough removal of the smear layer, which contains bacteria and dentin debris, is essential for a favorable prognosis in root canal treatment. Various procedures have been widely studied to effectively remove the smear layer. Hence, an appropriate condition of root dentin for adhesive materials needs to be determined considering the outcome of endodontic treatment on dentin bonding. Chelating agents have been recommended to enhance smear layer removal, resulting in increased contact area and better diffusion of sealers (2). Clearing away the smear layer improves the adaptation of obturating materials to the root canal walls, improves the bond strength of the resin sealer mass, and reduces coronal and apical microleakage (3,4).

Ethylenediaminetetraacetic acid (EDTA) and maleic acid synthetic chelators have been the irrigating solution of choice as the last rinse agents for the elimination of the smear layer (5). Despite their effectiveness, they have been found to erode and reduce the microhardness of the dentin

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Comparative Study Indian J Dent Res. 2023 Oct 1;34(4):438-442. doi: 10.4103/ijdr.ijdr_5_23.
Epub 2024 Apr 19.

Effect of Two Different Ultrafast Curing Exposure Durations on the Surface Hardness of Bulk Fill Composite - An In-Vitro Study

Shekar Shobana [1], Anandavelu Sujareetha [1], Sundaresan Balagopal [1], Sarath Kumar [1], Sriganesh Angusamy [2], Sebatni Anisha [1]

Affiliations

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Abstract

Aim: The aim of the present study is to assess the microhardness of resin-based composites (RBCs) cured with ultrafast curing mode at two different exposure durations.

Study design: This is an experimental in-vitro study. Forty-five cylindrical composite specimens were prepared to a dimension of 5 mm height and 4 mm diameter. Curing was done using three different exposure modes and duration with dual mode LED curing light as follows: Group I: Ultrafast curing mode for 1 second at 2300 mW/cm2 (n = 15); Group II: Ultrafast curing mode for 3 second at 2300 mW/cm2 (n = 15) and Group III: Standard exposure mode for 20 second at 1000 mW/cm2 (n = 15). Vicker's microhardness measurement was done on both the curing and non-curing sides of the specimen using a motorised diamond-faced micro-indenter (Wilson Wolpwert, Germany) using a load of 50 gram and a dwell time of 30 second.

Statistical analysis: Kruskal Wallis ANOVA was used to test for difference between the three groups followed by Mann-Whitney U test for post-hoc analysis.

Results: The microhardness values of the composite cured with a conventional curing unit were significantly higher than the ultrafast cured specimens.

Conclusion: Low-intensity conventional curing lights were found to perform better than the high-intensity ultrafast curing units.

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REVIEW ARTICLE **OPEN ACCESS**

A Case Series of Maxillary Odontogenic Cyst with Literature Review

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ABSTRACT
In this article we report a case series of dentigerous cyst of inflammatory origin along with an odontoma associated with a non- vital primary maxillary central incisor in a 14-year-old female patient and 25-year-old male patient with retained deciduous tooth with impacted canine. Dentigerous cysts are odontogenic cysts and are mostly developmental in origin oftenassociated with an impacted tooth. The treatment modality is usually based on the size of the cyst.
Keywords *–Dentigerous cyst, Impacted tooth, Non vital,*

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INTRODUCTION

Dentigerous cyst also called follicular cyst was coined by Paget in 1983 where the literal meaning of "dentigerous" being "tooth bearing" [1]. They are the second most commonly occurring odontogenic cysts after radicular cyst [2] and are formed due to accumulation of fluid between Reduced Enamel Epithelium and the enamel surface. The cyst is often associated with the crown of an impacted, embedded or unerupted tooth and can also be found enclosing a complex compound odontoma or involving a supernumerary tooth [3]. The mandibular third molar and maxillary canines are involved most often, followed by mandibular premolars and the maxillary third molars. Here we report a case series of dentigerous cyst.

CASESERIES

Case report-1

A 14-year-old female patient reported with a chief complaint of swelling in her upper front tooth region for the past 4years and it continued to increase in size for the past 5 months.No relevant medical history was found pertaining to the swelling and this was the patient 's first dental visit. On external examination, there was a large swelling in her upper lip region below the left nostril, protruding the upper lip outward. On inspection intraorally, a large solitary swelling causing bulging of the cortical bone extending from non-vital 61 to 23 region of size 3×6cm and obliteration of left buccal vestibule is evident. On palpation the swelling was firm and non- tender, nonfluctuant, non- pulsatile. The intraoral hard tissue examination revealed non- vital upper left central incisor, anterior spacing, retained central incisor. The radiographs revealed a impacted 21 with a radiolucency extending to the root of 61 and 62 and impacted 23 extending to the left maxillary sinus. Irregular radio opaque mass noted in the periapical region of 61 and 62 .On correlating the clinical examination and radiographical investigation diagnosis was made as dentigerous cyst associated with impacted 21 with a complex odontoma

Case report 2

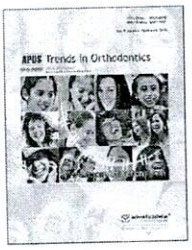
A 25-year-old male patient reported with a chief complaint of retained deciduous teeth in the upper left front tooth region and he wants to extract it. No other relevant medical history. No gross facial asymmetry noted .On intra oral examination retained 63 was noted and clinically 23 is missing and no evidence of intra oral swelling .IOPA reveals a impacted maxillary canine with a coronal radiolucency around 23.Maxillary Occlusal radiograph showed a impacted 23 with a coronal radiolucency arising from one side of cervical portion of 23 end in the other side with sclerotic border .Radiological diagnosis was given as lateral variety dentigerous cyst associated with impacted 23.

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APOS Trends in Orthodontics



Original Article

Temporomandibular joint and skeletal changes in response to Twin block and Advansync appliance therapy – A three dimensional study

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ABSTRACT

Objectives: This study aimed to analyze and compare the temporomandibular joint (TMJ) and skeletal changes three dimensionally in growing patients with Class II malocclusion treated with the Twin block (TB) and Advansync appliance.

Material and Methods: This prospective study included 20 patients with Class II Division 1 malocclusion of which ten patients comprised the TB group and ten patients the Advansync group. Cone-beam computed tomographs were taken before treatment, and at the end of the functional phase (6–8 months). The condyle, glenoid fossa, and skeletal changes were assessed in all the three planes and the measurements were made using CARESTREAM software.

Results: The TB group demonstrated a significant increase in the condylar dimensions, superior joint space, mandibular length ($P = 0.005$), and decrease in anterior joint space ($P = 0.001$) in response to treatment and the Advansync group showed a significant increase in the condylar dimensions, mandibular length, and a significant restriction in the maxillary length. Comparison between the two groups showed a significant increase in the fossa depth in the TB group and restriction in the maxillary growth in the Advansync group.

Conclusion: TB and Advansync group showed TMJ and skeletal changes. However, the Advansync showed more headgear effect but less glenoid fossa changes compared to the TB group.

Keywords: Orthodontic appliances, Functional, Angle Class II, Twin block, Advansync

INTRODUCTION

Mandibular retrognathism is the most common characteristic of skeletal Class II malocclusions.[1] The treatment of skeletal Class II malocclusion depends on the age,[2] growth potential, severity, and patient compliance.[3] In growing patients, the functional appliance is the treatment of choice.[4] Of the removable functional appliances, Twin block (TB) is the most commonly used appliance because of the design that permits full time wear and the inclined plane that serves as natural dentition.[5,6] The treatment outcome with a removable appliance depends on patient compliance. The previous studies have showed that the non-compliance rate of TB appliance ranged from 15% to 16%.[7,8]

The need for cooperation is reduced with the use of fixed functional appliances (FFAs). FFAs are indicated at or after the end of peak pubertal growth velocity. Treatments with most of

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Case Report

Oral malignant melanoma – Clinical presentation with immunohistochemical analysis

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ABSTRACT

Oral melanoma is a rare malignancy with poor prognosis because of its invasive and metastasizing tendencies. It is derived from the melanocytes and is clinically asymptomatic initially but in later stages may show ulceration, pain, bleeding, tooth mobility, and parasthesia. Because of its silent progression, diagnosis is often delayed leading to poor survival rate. This article presents the clinical, histopathological, and immunohistochemical findings of a rare case of melanoma involving the maxilla and also highlights the importance of dental professionals in maintaining a high degree of surveillance for all oral pigmented lesions.

KEY WORDS: Biopsy, melanocytes, mucosal, oral, pigmented lesions

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INTRODUCTION

Malignant melanoma is an aggressive neoplasm that arises because of the clonal expansion and malignant transformation of melanocytes. Melanocytes are non-keratinocytes that are derived from neural crest cells and, thus, malignant melanoma arises in all sites where neural crest cells have migrated, including the mucosal surface. Predominantly melanoma arises in the skin; however, they also occur in oral mucosa.

Oral malignant melanoma (OMM) is a rare malignancy and varies from 0.2 to 8% of all melanomas and constitutes to about 0.5% of all oral malignancies.[1] It presents as either a pigmented macule or a rapidly growing proliferative lesion, which is commonly seen in the hard palate or the maxillary gingiva/ridge.

The purpose of the article is to present the clinical, histopathological, and immnuohistochemical findings of a rare case of OMM involving the hard palate and also to focus on the prerequisite for biopsying any pigmented oral lesions to rule out malignancy.

CASE REPORT

A 65-year-old female reported with a complaint of ulcer and pain in upper left back region for past 1 month. Patient gave a history of wearing complete denture for the past 15 years, and she discontinued using it for the past 1 month because of the non-healing ulcer. Initially, the patient noticed a small pigmented patch 2 months ago that gradually increased in size, and 1 month ago, non-healing ulcer was noticed that was associated with dull pain.

Medical history revealed that the patient is a hypertensive for the past 20 years and was receiving oral hypertensive drugs. Personal history revealed no adverse habits.

Intraoral examination revealed an irregular raised hypopigmented and hyperpigmented lesion in the left side of the edentulous maxillary arch and palate. The lesion measured 3 × 2 cm in dimension, mostly black in color with shades of gray. The surface appeared nodular and revealed an irregular ulcer with slough in the center. The border of the lesion was raised from surrounding mucosa. On palpation, the lesion was firm in consistency and tender [Figure 1].

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Dentistry Section

Impact of Oral Health on the Oral Health Related Quality of Life (OHRQoL) among Individuals with Intellectual Disabilities in Chennai, India: A Cross-sectional Study

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BY-NC-ND

ABSTRACT

Introduction: The risk of developing oral diseases is higher among individuals with disabilities compared to those who do not have any form of impairment or disability. Dental caries and periodontal diseases are the two most prevalent diseases among the individuals with disabilities worldwide and dental treatment is considered as the greatest unattended health need and oral diseases can have varying impacts on well-being and life quality of people.

Aim: To assess the impact of oral health on the Oral Health Related Quality of Life (OHRQoL) of patients with intellectual disabilities in Chennai, India.

Materials and Methods: The present cross-sectional school-based study which was conducted in the Department of Public Health Dentistry, Tagore Dental College and Hospital, Chennai,Tamil Nadu, India, from August 2021 to September 2021. Study was conducted among the parents of 12-25-year-old intellectually disabled individuals studying in special schools in Chennai, India. The estimated sample size was 122 with 95% of power and effect size of 0.3. OHRQoL of the participants with intellectual disabilities was assessed using the short-form versions of the Parental-Caregivers Perceptions Questionnaire (P-CPQ) and impact of Oral health on the family life of participants with intellectual disabilities using Family Impact Scale (FIS). Clinical examination of oral health status was assessed using self-designed proforma based on the World Health Organisation (WHO) basic oral health survey 2013. Data was analysed using Statistical Package for the Social Sciences (SPSS) software version 24.0.

Results: The number of participants between 12-18 years was 111 (91%) and 19-25 years was 11 (9%) and 68 (55.7%) were males and 54 (44.3%) were females. The results showed that most of the parents 83 (68.03%) were concerned about their child's bad breath with regard to P-CPQ and with regard to the FIS highest mean was recorded for child needs more attention from them (2.93±0.89) and sleep disturbances (2.80±0.49) among parents. Most (n=52, 42.6%) of them had decayed teeth compared to filled (n=14, 11.5%) and missing teeth (n=17, 13.9%). Majority (n=83, 68.1%) of the participant had fair oral hygiene. There was a positive correlation of oral symptoms and social well-being with the dentition status, Oral Hygiene Index-Simplified (OHI-S) and gingival index.

Conclusion: A positive correlation was recorded between the oral symptoms of P-CPQ with the oral health status of the study population with stronger correlation recorded for oral hygiene. With regard to functional limitation there was a negative correlation with gingival index and for emotional well-being there was a negative correlation with dentition status and gingival index.

Keywords: Disabled children, Family impact scale, Parental-caregivers perception questionnaire

INTRODUCTION

Disability is a term, covering impairments, limiting activities, and restricting activities. In 1995, the Government of India under "Persons with Disabilities Act" described "handicapped" as a person with one or more disabilities like impaired vision, leprosy-cured, hearing impaired, orthopaedic disability, mental retardation, and mental illness. As per Census 2011, in India, about 2.68 crore persons are disabled which is 2.21% of the total population. In Tamil Nadu, 1.64% of the total population is disabled. Among them 2.1 lacs are between the age group of 20-29 years followed by 1.7 lac between 10-19 years. Around one lac population has some form of mental retardation and 32.9 thousand has some form of mental illness [1]. Oral health needs of people with disabilities are much related to underlying developmental or congenital anomalies and their inability to receive adequate personal and professional care to maintain oral health [2].

The OHRQoL is quickly growing phenomenon which has emerged over past two decades. There are numerous instruments available to measure adult OHRQoL, designing instruments especially for children and adolescents that allows researchers to identify and examine OHRQoL factors that are unique to these populations (i.e., self-image, social acceptance, and school environment) [3]. The measurement of health-related QoL must be from the child's perspective or their guardian/caretaker (especially for individuals with special needs) and the family [4]. Dental diseases among children might result in lost work days for parents and caregivers as well as time and money spent in accessing dental care [5]. FIS is used to measure the family impact on child's oral and orofacial disorders and it consists of 14 items spreaded over four domains. Thus, the impact of dental disease on the caregivers and families of people with special needs are also important to measure as part of assessing OHRQoL in them [6].

Extensive literature search suggests that there was small-scale evidence regarding assessment of OHRQoL among intellectually disabled population and the impact of their condition on their family life in India [7]. Thus, the present study was contemplated to understand the impact of oral health on the OHRQoL of patients with intellectual disabilities in Chennai.

The aim of the study was to assess the OHRQoL among people with special needs using short-form versions of P-CPQ and to assess the impact of oral health on the family life using FIS.

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Accuracy and Self-Confidence Level of Freehand Drilling and Dynamic Navigation System of Dental Implants: An In Vitro Study

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Abstract

Background and objective: The impact of the experience of the clinician on learning a new skill or equipment was still an intriguing subject. The goal of this research is to determine the accuracy level of a dynamic navigation system to that of freehand drilling by expert and novice practitioners with varied levels of experience. Additionally, the duration of the surgical procedure and the self-confidence level of the surgeons were also evaluated.

Materials and methods: An analog impression of the patient was used to make 20 polyurethane simulation models of the maxilla. Five expert and five inexperienced surgeons prepared the site and placed the implants at random on ten models each. Two different techniques were used to insert dental implants: freehand and dynamic navigation systems. Dental implants were placed in Group 1 utilizing a computer-assisted dynamic navigation device. The implants in Group 2 were secured using free-hand drilling. The dental implants were inserted first in the maxillary right first molar, then in the maxillary right lateral incisor, and the maxillary left second premolar. Preoperative and postoperative CBCT scans were superimposed by employing the Evalunav software and contrasted. The coronal 3-D, apex 3-D, apex vertical depth, and angular deviations for both procedures were evaluated. A pre-tested self-confidence questionnaire was also administered to assess the self-confidence of the practitioners. The duration of the surgical time was also documented for each strategy. The t-test was used to measure the difference in accuracy and confidence levels between freehand and dynamic navigation systems among expert and novice surgeons using SPSS software (IBM Corp., Armonk, NY, USA).

Results: A total of 60 implants were used (three insertion sites, two methods, and 10 practitioners). Each of the five expert and novice clinicians implanted 15 implants (five models each). Except for entry 3-D, there was a statistically significant difference between the two approaches in all of the primary outcome variables. The apex 3-D (5.89±1.08 mm) and apex vertical (2.08±1.27 mm) dimensions of the dynamic navigation system were significantly smaller than those of the freehand drilling approach ($p<005$). Dynamic navigation and freehand drilling had angular deviations of 7.16±1.76° and 9.06±2.18°, respectively ($p=0.0004$). The apex vertical deviation was reduced in the navigation technique (2.07±1.5 mm) than in the freehand drilling (2.86±1.4 mm) by experienced practitioners ($p=0.04$). The difference in time between the two procedures was determined to be statistically highly significant ($p<0.001$) by both expert and novice surgeons. Furthermore, when contrasting with experienced practitioners, novice practitioners had an overall increase in surgery time ($p<0.001$) for both approaches.

Conclusion: The current in vitro study found that the dynamic navigation system enables more accurate implant placement than the freehand drilling technique, irrespective of the experience of the surgeons. However, this technique appears to benefit novice practitioners more, as they can profoundly minimize their deviations while accomplishing results comparable to those of expert surgeons.

Categories: Dentistry
Keywords: self-confidence, freehand drilling, dynamic navigation system, dental implant, angular deviation, accuracy

Introduction

With computer-guided implant surgery, clinicians can accurately duplicate the anticipated implant position during the surgical procedure [1]. During the procedure, the dynamic navigation enables real-time tracking of implant bed preparations. The dentition is registered and the computed tomography (CT) or cone-beam CT (CBCT) finding is reconstructed, and the oral surgeons can monitor the exact location of the surgical drills on the CBCT reconstruction using specialized software and tracking methods for observing the rotary

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Original Article

Comparative Analysis of Tissue Copper Levels in Oral Submucous Fibrosis (OSMF) Patients

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ABSTRACT

Background: Oral submucous fibrosis (OSMF) is a recognized potentially malignant oral condition linked to the consumption of areca nut. Chewing areca nut has been shown to elevate soluble copper levels in mouth fluids. **Materials and Methods:** Participants: The study included a panel of 30 patients with OSMF from Rama Dental College, Kanpur, India, and 30 nonareca chewing individuals serving as controls. Tissue Sample Collection and Analysis: Buccal mucosal biopsies were obtained from both OSMF patients and controls. The tissue copper concentrations were quantified using mass absorption spectrometry (MAS). Additionally, energy-dispersive X-ray microanalysis (EDX) was employed to identify the presence and distribution of copper in the tissue. **Statistical Analysis:** Statistical comparisons were performed using appropriate methods, with a *P*-value of less than 0.05 considered statistically significant. **Results:** MAS analysis revealed that the mean tissue copper level was 6.2 ± 3.1 micrograms per gram (μg/g) in OSMF specimens (n = 30), slightly higher than the 4.5 ± 2.0 μg/g in the nonareca chewing controls (n = 30) (P = 0.1). EDX analysis showed distinct copper peaks in both the epithelium (22/23) and connective tissue (18/23) of OSMF specimens compared to control biopsies. These findings were corroborated by secondary ion mass spectrometry (SIMS) in a subset of samples. **Conclusion:** The study revealed higher copper concentrations in buccal mucosal tissue of OSMF patients from Rama Dental College, Kanpur, suggesting a potential connection between copper and the initiation of OSMF.

KEYWORDS: *Areca nut chewing, lysyl oxidase activity, oral submucous fibrosis, serum copper levels, tissue copper concentrations*

INTRODUCTION

Oral submucous fibrosis (OSMF) is a recognized potentially malignant oral condition closely associated with the consumption of areca nut.[1] Areca nut, widely consumed in various forms, contains compounds implicated in the development of OSMF.[2] A significant feature of areca nut consumption is the elevation of soluble copper levels in oral fluids, which has drawn attention due to its potential role in disease pathogenesis.[3] Copper, an essential trace element, plays crucial roles in various physiological processes, but its excessive accumulation can lead to adverse health effects.[4]

OSMF is characterized by progressive fibrosis of the oral mucosa, resulting in restricted mouth opening and potential malignant transformation.[1] While the exact etiology of OSMF remains complex and multifaceted, the potential contribution of elevated copper levels in developing this condition has sparked scientific interest.[5] Copper's involvement in collagen synthesis and its interaction with lysyl oxidase, an enzyme involved in cross-linking collagen and elastin

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Original Article

Assessment of Clinical Outcome of Root Coverage Following Coronally Advanced Flap with or without Amniotic Membrane

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ABSTRACT

Aim: The present study aimed to assess the clinical outcome of root coverage following coronally advanced flap with or without amniotic membrane in Miller's class I or class II localized gingival recession in relation to anteriors. **Methods:** Five patients with bilaterally symmetrical Miller's class I or class II localized gingival recession were included in the study. Each patient was divided into control (without amniotic membrane) and test sites (with amniotic membrane) arbitrarily. Clinical parameters including plaque index, probing pocket depth (PPD), clinical attachment level (CAL), and depth and width of the gingival recession were recorded in a pro forma at baseline and in the 2nd, 4th, 12th week. The results were tabulated and subjected to statistical analysis using analysis of variance (ANOVA). **Results:** A 0.600-mm, 0.400-mm, 2.630-mm, and 2.616-mm reduction in PPD and gain in CAL were observed at control and test sites in the 12th week postoperatively and was found to be statistically insignificant ($P = 0.580$ and $P = 0.871$, respectively). Changes in depth and width of the gingival recession were observed and found to be maximum between base line (2.28 mm, 3.01 mm, 2.71, and 3.09 mm) and 2nd week (0.00, 0.00 mm, 0.23, and 0.20 mm) but without statistical significance. **Conclusion:** From the above results of the study, it could be concluded that the use of amniotic membrane as a barrier along with coronally advanced flap did not influence the clinical outcome of root coverage procedure.

KEYWORDS: *Amniotic membrane, coronally advanced flap, gingival recession*

INTRODUCTION

Periodontitis is defined as "an inflammatory disease of the supporting tissues of the teeth caused by microorganisms, resulting in progressive destruction of the periodontal ligament and alveolar bone with pocket formation, recession or both".[1] Gingival recession is defined as exposure of the tooth by the apical migration of the gingival margin,[2] resulting in dentinal hypersensitivity, difficulty in plaque control, root caries, bone loss, and compromised esthetics.[3] The most common technique of treating gingival recession is soft tissue augmentation.[4] Clinical significance of coronally advanced flap is very simple and predictability provides 2 to 3 mm of root coverage.

Laminin-5 plays a vital role in the cellular adhesion of gingival cells and its increase in concentration in amniotic membrane could be utilised for periodontal grafting procedures.[5] The amniotic membrane has a unique feature in that it lacks antigenicity with potent antibacterial and anti-inflammatory properities.[5]

AIM AND OBJECTIVES

AIM: To assess the clinical outcome of root coverage following coronally advanced flap with or without amniotic membrane in Miller's class I or class II localized gingival recession.

Objectives are assessment of clinical parameters including plaque index, probing pocket depth (PPD),

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Comparative Evaluation of Peri-Implant Tissues in Definitive and Repeated Abutment Replacements

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KEYWORDS

dental implants, abutment replacements, peri-implant tissues, probing depth, bleeding on probing, peri-implant bone loss, tissue health, implant success.

ABSTRACT:

Background: The success of dental implants relies on the health and stability of peri-implant tissues. Frequent abutment replacements may impact these tissues, but the extent of this impact remains unclear. This study aims to compare peri-implant tissue health between definitive and repeated abutment replacements.

Materials and Methods: We conducted a prospective clinical study involving 50 patients who had received dental implants. These patients were divided into two groups: Group A with definitive abutment replacements and Group B with repeated abutment replacements. Peri-implant tissue parameters, including probing depth (PD), bleeding on probing (BOP), and peri-implant bone loss (PBL), were assessed at baseline and at regular follow-up intervals over a 12-month period. Stereomicroscopy and radiographic analysis were used to evaluate tissue changes.

Results: Baseline peri-implant tissue parameters were comparable between the two groups (Group A vs. Group B: PD: 3.2 mm vs. 3.3 mm, BOP: 20% vs. 22%, PBL: 0.5 mm vs. 0.6 mm, $p > 0.05$). However, at the 12-month follow-up, Group B exhibited significantly increased PD (4.7 mm vs. 3.4 mm, $p < 0.05$), higher BOP (34% vs. 19%, $p < 0.05$), and greater PBL (1.2 mm vs. 0.6 mm, $p < 0.05$) compared to Group A. Stereomicroscopy revealed more pronounced inflammation and tissue alterations in Group B, while radiographic analysis confirmed greater bone loss in this group.

Conclusion: This study suggests that repeated abutment replacements may negatively affect peri-implant tissue health compared to definitive abutment replacements. Clinicians should consider the potential impact of abutment replacement frequency on long-term implant success and peri-implant tissue stability when planning implant treatments.

INTRODUCTION

Dental implantology has revolutionized the field of prosthodontics, offering a highly effective solution for the replacement of missing teeth (1). The success of dental implant treatment is contingent upon the integration of the implant with the surrounding peri-implant tissues, including the gingiva and underlying bone (2). Proper maintenance of peri-implant tissues is crucial for long-term implant stability and patient satisfaction (3). One critical factor that can influence peri-implant tissue health is the replacement of abutments, which connect the implant fixture to the prosthetic restoration (4).

While definitive abutment replacements are a common aspect of dental implant treatment, repeated abutment replacements have become necessary in certain clinical

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Commentary

Nile Tilapia Skin-Derived Materials for Dental Application

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Abstract

The skin of Nile tilopia has gained attention in biomaterials science because of its low cost, abundance, and ability to recover from waste products of the fish industry. Nile tilapia skin can yield around 40% dry weight of type I highly biocompatible collagen. Nile tilopia collagen is used successfully for wound healing and hemostatic dressing. Collagen membranes and collagen-hydroxyapatite scaffolds derived from Nile tilapia skin are effectively employed for guided tissue regeneration. Future research is crucial to overcome limitations such as weak mechanical strength and cell compatibility.

Keywords: Nile tilapia, collagen, biomaterial, dentistry

Collagen has been used effectively to dress oral wounds, close graft, and extraction sites, and promote healing. The gold standard for collagen is human recombinant collagen. Yet, the high cost makes it expensive and beyond the reach of the common population in developing nations. Therefore, other natural sources are preferred as they are abundantly available. Piscine collagen has gained attention in biomaterials science because of its low cost, abundance, and ability to recover from waste products in the fish industry. The skin of Nile tilopia is a remarkable source of collagen as it can yield around 40% dry weight of collagen.[1] Preparation of collagen from Nile Tilapia Skin has been described well in the literature.[2] It has mildly high thermal stability and the ability for better crosslinks and therefore increased stability. It contains an antibacterial agent called tilapia piscidine (tp4), which can signal and promote proliferation in cells. This collagen from Nile tilapia is known to degrade completely in 21 days in the physiological system.[3] The chemical composition of Nile tilapia skin collagen includes type I collagen, consisting of acid-soluble collagen and pepsin-soluble collagen.[4] This article will delve into the applications of Nile tilapia (*Oreochromis niloticus*) skin-derived biomaterials in dentistry and highlight their potential benefits.

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Wound Healing and Oral Surgery

It has been demonstrated that Nile tilapia skin collagen can be used as an occlusive biological dressing for palatal wounds, encouraging wound healing and decreasing pain levels after surgery.[5] Chitosan was used successfully to encapsulate the

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ORIGINAL RESEARCH

Knowledge, Attitude, and Awareness of Parents on Bruxism in Children: A questionnaire Study

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Received on: 02 January 2023; *Accepted on:* 05 February 2024; *Published on:* 02 April 2024

Abstract

Aim: The present study was conducted to assess the knowledge, attitude, and practice of parents regarding bruxism in their children.

Materials and methods: This cross-sectional questionnaire study was conducted with 1,065 participants comprising 26 questions, of which eight were demographically related, and 18 were related to the knowledge, attitude, and awareness of the condition. The questionnaire was conducted with Google Forms on the online platform. Analysis of variance (ANOVA) was used to compare the obtained data.

Results: Around 48.9% of parents had reported that bruxism is clenching or grinding the teeth tightly. Parents of male children had better knowledge of the condition. Similarly, knowledge increased with an increase in birth order. Parents who were not working had better knowledge of the condition.

Conclusion: The knowledge of parents on bruxism is insufficient and could be enhanced by conducting camps, lectures, and social media posts.

Clinical significance: The results of the study shed light on the fact that increasing awareness of bruxism would aid in early diagnosis of the condition and prevent complications such as loss of tooth structure, temporomandibular joint disorders, and improved sleep patterns in children.

Keywords: Awareness, Bruxism, Children, Knowledge, Parents.

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Introduction

Bruxism is a condition that is caused by the contraction of muscles, such as the masseter temporalis, which leads to clenching of teeth with or without grinding of teeth.[1] Bruxism is derived from the Greek word "brychein," meaning grinding and clenching of the teeth, and "mania," which refers to compulsion. Bruxism was first described in 1907 by Marie Pietkiewicz.[2] There are two types of bruxism, namely daytime bruxism, which happens by clenching the teeth tightly during the day, and nocturnal bruxism, which is characterized by grinding the teeth during sleep.[3] It is associated with emotional conditions like stress, anxiety, and worry.[4] Diagnosis of the condition is usually self-reported, clinical examination, and instrumental such as polysomnography or electromyography.[2,5]

Although the condition is not directly considered pathological, the prevalence rate is as high as 22–30% for awake bruxism and 1–15% for sleep bruxism. In children and adolescents, the prevalence ranged between 3 and 49% as reported in the umbrella review of systematic reviews.[6]

In children, sleep bruxism is more common and is associated with disorders of sleep like parasomnias, obstructive sleep apnea, mandibular myoclonus, rapid eye movement disorders, and restless leg syndrome.[7] The ill effects of the condition include orofacial pain, disorders of the temporomandibular joint, and pathologic alterations of tooth structure.[8]

Hence, early diagnosis and prompt treatment in children would aid in the prevention of complications associated with the condition, improve their sleep and overall health, and prevent the persistence of the condition in adulthood.[9] Parents or guardians have to seek help to manage the condition once it is detected by them. Also, the active involvement of the parents is essential during the diagnosis in order to inform the medical history and the current status of the child and family members. For effective communication of the condition while seeking help through knowledge of parents about bruxism and its features is mandatory.[10]

A study by Alves et al. has shown that parents and guardians have insufficient knowledge about the cause of bruxism and how to manage the condition that leads to exacerbation of bruxism and its complications in adulthood.[11] Also, there are only a few studies that have assessed the knowledge of parents about bruxism in children in India. With the available information, the present study was carried out with the aim of assessing the knowledge, attitude, and practice of parents regarding bruxism in their children.

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BMC Oral Health

RESEARCH Open Access

Effect of non-surgical periodontal therapy on CD14 + CD16+ monocyte counts in peripheral blood samples: a clinical interventional study

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Abstract

Monocytes and their macrophage progeny are thought to be involved in tissue and alveolar bone destruction in periodontal disease. It has been documented that the proportion of (CD14 + CD16+) non-classical monocytes in the blood are elevated in chronic periodontitis;A total of 20 chronic generalized periodontitis patients who were otherwise healthy, were recruited for this study. At baseline and 3 weeks after non-surgical periodontal treatment, peripheral blood was obtained to assess the levels of C-reactive protein (CRP) and the proportion of monocyte subsets. Monocyte subsets were assessed using flow cytometry;The mean percentage of CD14 + CD16+ non-classical monocytes in the peripheral blood sample at baseline was 13.95 + 2.09, that reduced to 8.94 + 1.23 3 weeks after non-surgical treatment. A distinct significant reduction in the percentage of non-classical monocytes and a concomitant increase in classical monocytes were observed following periodontal treatment compared to baseline. There was a significant reduction in the all the periodontal parameters and CRP levels 3 weeks post non-surgical periodontal treatment. A positive correlation between CRP and percentage of non-classical monocytes was also observed; Periodontal treatment potentially modulates the host response effectively.

Keywords Chronic periodontitis, IgG, Monocytes, Receptor, Root planing, Scaling

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Minimally Invasive Implant Surgery Using Soft Tissue Punch Technique: A Randomized Split-mouth Clinical Study

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Abstract

Aim: The aim of the study was to evaluate and compare the crestal bone levels surrounding the implants on 0, 90th, and 180th day using the flapless soft tissue punch technique with and without repositioning of the punched soft tissue back at the osteotomy site after the surgery. Flapless implant surgery is a boon to dentistry, which comprises a marginally invasive procedure for the placement of the implant. In recent times, it has been widely used for flapless implant placement either by using a soft tissue punch or a direct drill method. Flapless implant surgery with soft tissue punch has been seen to minimize the crestal bone loss when compared to the direct drill method or conventional technique.

Materials and methods: Seven subjects with bilateral posterior edentulous sites were selected for this study which were segregated into two groups. In group I, placement of implants was done using flapless soft tissue punch technique without repositioning of punched soft tissue back at osteotomy site, and in group II, seven implants were placed using flapless soft tissue punch technique with repositioning of punched soft tissue back at osteotomy site. For measuring the crestal bone height, digital radiographic images were obtained at 0, 90th, and 180th day and changes were evaluated using CorelDRAW software.

Results: On intragroup comparison, there was a significant crestal bone loss seen in both groups I and II, from 0 to 180th days ($p = 0.001$). On intergroup comparison, no statistically significant difference in crestal bone height measurements was found between groups I and II from 0 to 180th days.

Conclusion: Hence, it is concluded that the flapless soft tissue punch technique with repositioning produced faster healing, less scar formation, and minimal bleeding. However, in terms of crestal bone changes, it showed similar results to the flapless soft tissue punch technique without repositioning.

Clinical significance: The soft tissue punch technique can be implemented as an appropriate protocol, showing clinician's ease, less time-consuming, and improved patient compliance owing to the faster healing and less scar formation with minimal crestal bone loss.

Keywords: Crestal bone levels, Flapless implant surgery, Minimally invasive approach, Soft tissue punch technique.

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Introduction

Dental implants have revolutionized the treatment of edentulous spaces. Endosseous implants are made of an alloplastic substance that is surgically placed into a remnant bony ridge closely mimicking the natural tooth root.[1] The primary purpose of dental implants is to replace missing teeth in order to restore functionality, esthetics, and proper occlusion. Since the 1970s, dental implants have been placed into the alveolar ridge by elevating full-thickness mucoperiosteal flaps with the help of a mid-crestal incision with/without vertical releasing incisions.[2] For successful osseointegration of a dental implant, the osteotomy site must be prepared conservatively with adequate maintenance of the vascular supply to the area.[3] For ideal esthetic outcomes, the height of the interproximal bone was found to be a crucial factor. Success of dental implants is usually assessed by Albrektsson's criteria in which, if <0.2 mm of crestal bone loss occurs annually, following the 1st year of implant function, then the implant is said to be vital for long-standing attainment, as the crestal bone level seems to be of paramount importance and is regarded as a significant measure of implant health and function.[4,5]

Flapless implant surgery for patients with sufficient bone volume and keratinized gingiva at the site of implantation is a boon to have in dentistry. The direct drill and soft tissue punch techniques with or without repositioning can be utilized for implant placement without the need for elevation of periodontal flap. In the direct drill technique, the osteotomy site is prepared using conventional implant drills, which are oriented parallel to the adjacent teeth in a pumping motion up to the final depth. Subsequent drills are used in a similar fashion, and an osteotomy site is prepared until the desired width and depth are obtained, and the implant is placed in the osteotomy site, followed by the placement of a healing cap.[6]

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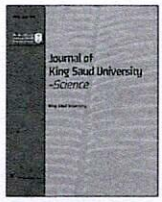
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Influence of heat treated files on conserving the remaining dentin thickness during endodontic retreatment – An invitro CBCT study

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ABSTRACT

Objectives: Non-surgical endodontic retreatment is to be a conservative option over endodontic surgery in case of recurrent infections. Root canal retreatment procedures needs to be initiated faster and proficiently with proper root canal retreatment files. The main aim of this study is to evaluate the remaining root dentin thickness post Gutta Percha (GP) retrieval from the root canal after using two different rotary instruments.

Materials and methods: A total of sixty extracted single rooted teeth were chosen. Shaping and Cleaning was done Step Back (Telescopic) technique with apical preparation of size 40 k File. Irrigation was carried out using NaOCl (3 %) and Ethyelenediamine tetraacetic acid (EDTA) to clear the smear layer. The canals were dried using paper points and obturation was completed using lateral compaction technique with AH plus resin sealer. Upon completing the obturation, it was categorized into two groups: Group I- ProTaper retreatment files (PTR) and Group II- Solite RS3 (S-RS3) Retreatment files. Cone Beam Computed Tomography (CBCT) was used to assess the remaining dentin thickness post gutta-percha retrieval at 3,5 and 7 mm respectively. To test the significance between groups independent *t* test was used.

Results: It can be noted from the results that more amount of remaining dentin thickness was seen after using Solite RS3 files at 3 mm, 5 mm and 7 mm on the mesial side compared to ProTaper retreatment files ($p < 0.05$). There is no statistically significant difference seen between the files at three levels on the distal side ($p > 0.05$).

Conclusion: Within the limitations of the study, it can be concluded that Solite RS3 files have the potential to preserve the remaining dentin thickness. However, more studies including various other parameters should be performed to arrive at a definitive conclusion.

1. Introduction

The success of endodontic treatment relies on key factors such as proper instrumentation and complete disinfection of entire root canal system. Instrumentation directly influences the remaining dentin thickness which in turn impacts the fracture resistance of the root (Torabinejad et al., 2009). Previous studies have found out that a minimum of 0.3–0.5 mm of remaining dentin thickness is required to ensure the longevity of endodontically treated teeth (Subramanian et al., 2021). Preservation of remaining dentin thickness is pivotal for fracture resistance and strength of the teeth.

The concept of preserving remaining root dentin thickness becomes

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Review Article

Success Rate of Immediately Loaded Implants in the Posterior Zone

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ABSTRACT

Dental implants are considered an ideal treatment for a missing single tooth. Immediate loading of implants can hasten the procedure, providing comfort to the patients. Recently, immediate loading of implants has gained much importance as it helps hasten the procedure and provides more comfort to patients. A previous systematic review published 5 years ago compared the success rates between immediate and conventional loading. There are several factors that influence the success rate of implants that were not discussed in detail in the previous review. Hence, the present systematic review is done to report differences in the outcomes from single implant restorations of missing teeth in the posterior region in patients who were subjected to immediate loading and conventional loading. A follow up for 1 year was done. Electronic databases of Medline, Scopus, and Web of Science were searched for publications in the English Language during May 2021. The search results yielded 306 articles, out of which 225 were excluded based on title and abstract screening. Screening of the remaining 81 full text articles yielded 14 original research articles that satisfied the predefined inclusion criteria. Meta analysis was not possible due to the heterogeneity of the data. The overall success rate of the immediate loading of a single implant is 94.31%. Implants in the maxillary region had a higher survival rate than those in the mandibular region. The age range between 18 and 80 years showed good prognosis and outcomes in older individuals. Good oral hygiene was emphasized for all patients to prevent any secondary conditions or delays in healing.

KEYWORDS: *Immediate loading, posterior zone, single implant*

INTRODUCTION

Dental implants are the ideal treatment of choice for missing single tooth owing to their superior

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Correlating Mitotic and Nucleolar Organizer Region indices - A better prognosticator of Oral Squamous Cell Carcinoma

Running title AgNOR's prognosticator in oral cancer

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SURVIVIN, A PROGNOSTIC MARKER FOR RHEUMATOID ARTHRITIS - A PROSPECTIVE COHORT STUDY

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ABSTRACT

INTRODUCTION: Rheumatoid arthritis (RA) is a chronic inflammatory disorder of autoimmune origin that may affect many tissues and organs but principally attacks the joints. Analysis of pannus tissues in RA patients discloses characters of transmuted cells living for longer duration with, apoptotic tolerance, oncogenes expression and somatic mutations. Survivin belongs to the Inhibitory Apoptotic Protein family which is suggested to play a role in the pathogenesis of RA, and is recently emerging as a biomarker for Rheumatoid Arthritis.

AIMS AND OBJECTIVES: The objectives of this study were to estimate and compare the salivary survivin concentration with serum survivin concentration and to correlate with the treatment.

METHODS: 30 newly diagnosed Rheumatoid Arthritis patients who were undergoing same type of therapy were enrolled for the study. Saliva and Serum samples were collected before

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Research Paper Open Access

Comparative Evaluation of Quality of Obturation using Three Different Obturation Techniques in Primary Mandibular Teeth using Endoflas as Obturating Material - A Randomized Controlled Trial

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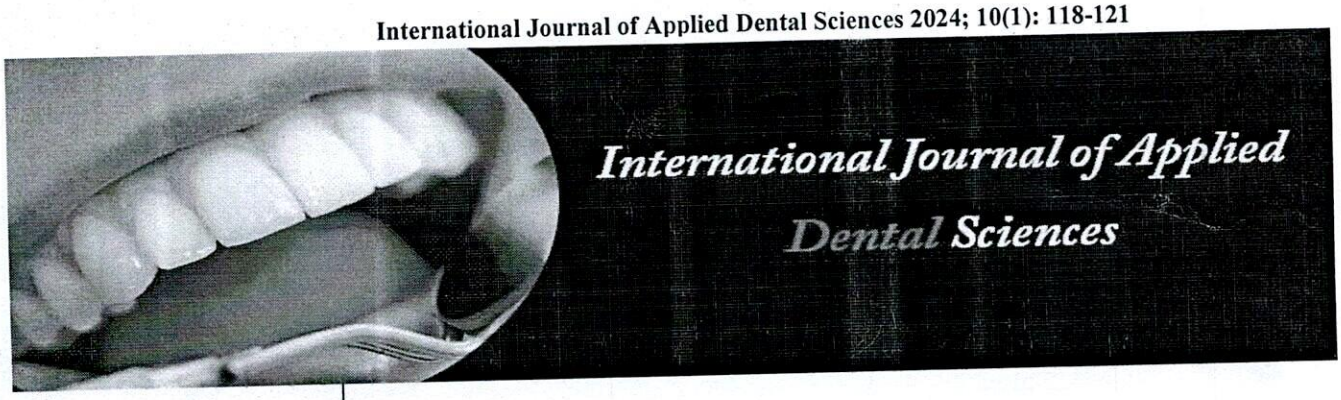
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Comparative evaluation of effectiveness of mobile app and dental videos in management of dental anxiety in paediatric patients

Dr. AKR Santhosh Priya, Dr. Swetha Tharesan, Dr. C Vishnu Rekha, Dr. Deepak Prabhu and Dr. Sumaiyya Saleem

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Abstract
Background: Dental fear and anxiety are one of the major challenges in pediatric dentistry. Dental fear and Anxiety are a common reason for avoiding dental treatment which over time, may result in deteriorated oral health.
Aim: To evaluate the effectiveness of a mobile app (Little lovely Dentist) compared to dental videos in the management of dental anxiety in pediatric patients during their first dental visit.
Materials and Methodology: A total of 45 children of age 4-8 age who were in the need of class I GIC restoration were assigned into 3 groups: Group 1: Dental application; Group 2: Dental video; and Group 3: Tell- show- do and each group comprised of 15 children each. Anxiety of the children were assessed before and after the procedure. Two physiological parameters (Pulse rate and oxygen saturation level) and two behavioral parameters (Facial Image Scale and Chotta Bheem Chutki scale) were recorded.
Result: The result showed lower mean pulse rate, significant reduction in oxygen saturation, Facial Image scale and Chotta Bheem Chutki scale post intervention in all 3 groups with high statistical significance in Dental video and Dental application group
Conclusion: Dental application and Dental Video are effective alternate to Tell Show Do technique in reducing dental anxiety in young children.

Keywords: Dental anxiety, paediatric patients, dental videos

Introduction

Dental anxiety is defined as "an abnormal fear or dreadful feeling of going to the dentist for preventive care or therapy and unjustified anxiety over dental procedures."
The child's attitude toward dentistry must be established, from the initial dental visit to be successful [1].
A stressful circumstance like a dental appointment causes kids to become more avoidant and anxious. Dental anxiety plays a major role for those who provide, dental care because it may stop kids from seeking treatment and make it difficult for them to cooperate during treatment. The noises of drilling, cleaning, the aroma of various cements, freshly cut dentine and various other dental procedures increase their anxiety.
Hence, it is challenging to perform necessary dental treatment for an anxious child as their behaviour in during procedure is hindered. Improving the behavior of the child would improve productivity and make the experience of the youngster receiving treatment more enjoyable. In order to implement a precocious during behavioral therapy, it's critical to identify children's anxiety before initiating the procedure. Several approaches are available for assessing anxiety like self-report assessment, parental proxy assessment, observation-based assessment, and physiological assessment [2].
In this current study self-report assessment tools like the Chotta Bheem Chutki scale, Facial image scale, and physiological assessment tools like oxygen saturation and pulse rate is used. [3, 4].
The management of anxious children and uncooperative behavior has resulted in the development of more sophisticated, linguistic, and pharmacological treatments.

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Short Communication

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Effectiveness of two different campaigning methods in reaching the public: conventional pamphlet campaign versus social media campaign: a pilot study

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ABSTRACT

Cost effective campaigning method to attract people to an awareness program need to be identified. Conventional pamphlet campaign remain popular despite the expanding range of social media campaign that have potential to reach large number of people at low cost. Two different methods of awareness campaigns were used to attract people to an awareness program. The conventional pamphlet was distributed manually and social media campaign was done in Facebook as a paid promoted post. The budget was fixed to Rs.1200/-for each group. People with interest are invited to scan the provided QR code which directs to an electronic form (e-form). The number of sign up were estimated in each method. A total of 17 people signed up to participate in awareness program. Of which conventional pamphlets campaign showed 6 sign up and social media campaign showed 11 sign-ups. The cost per sign up for conventional pamphlet campaign and social media campaign are Rs.109.09 and Rs.200 respectively. The social media campaign was the cost-effective method and reached larger number of sign-ups when compared to conventional pamphlet campaign. Overall, our results demonstrate that social media campaigning is the cost-effective method in attracting people than conventional pamphlets campaigning.

Keywords: Awareness program, Early childhood caries, Conventional pamphlet campaign, Social media campaign

INTRODUCTION

Early childhood caries (ECC) remains a major public health problem in children.[1] ECC has been defined as "the presence of one or more decayed (non-cavitated or cavitated lesions), missing (due to caries), or filled tooth surfaces" in any primary tooth in a child under the age of 6 years.[2] The etiology of ECC is multifactorial and is mainly a time-specific interaction of microorganisms with sugars on a tooth surface.[3] Diet and feeding practices also play an important role in acquisition of the infection and development of caries.[4,5]

The prevalence of ECC is determined by a complex interaction between sociodemographic and behavioural factors[1]. ECC can be prevented or controlled if treated appropriately.[6,7] It is not only the responsibility of the dental profession but also that of society as a whole.[1] Low parental knowledge could be one of the reasons for more prevalence of ECC which can be prevented by creating awareness among people.[8,9] This can be done by conducting awareness programs. These programs can produce positive changes or prevent negative changes in health-related behaviours among large population group.[12]

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Review Article

PLATELET RICH FIBRIN- A Natural Regenerative Biomaterial

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Abstract- PRF is a blood-derived autologous product, rich in platelets, leukocytes, growth factors, and fibrin matrix, obtained through a simplified centrifugation process. Its unique composition endows PRF with remarkable regenerative potential, making it a versatile tool in various medical fields. Clinical applications of PRF span across dentistry, orthopedics, dermatology, and beyond. In dentistry, it aids in bone grafting, tissue regeneration, and wound healing, enhancing postoperative outcomes. In orthopedics, PRF injections accelerate tissue repair and reduce pain in musculoskeletal disorders. Dermatologists employ PRF for facial rejuvenation, wound healing, and hair restoration, capitalizing on its natural growth factors. The future of PRF holds promising avenues in tissue engineering, chronic wound management, and sports medicine. Its safety and efficacy, coupled with minimal risk of adverse reactions, make it an attractive therapeutic option. PRF represents a breakthrough in regenerative medicine, offering personalized, minimally invasive solutions for a spectrum of clinical challenges. Ongoing research and innovation in PRF applications hold significant potential to transform patient care across diverse medical disciplines.

INTRODUCTION

Periodontitis is an inflammatory disease of the periodontal tissues, which is characterized by loss of support periodontal ligament fibers and the bone into which they are inserted.[1] Healing is a body response to injury to restore normal structure and function comprising of regeneration, and repair. When healing takes place by the proliferation of parenchymal cells and usually results in complete restoration of original tissues it is called regeneration and when healing takes place by the proliferation of connective tissue elements resulting in fibrosis and scarring it is known as repair.[2]

Platelets are essential for wound healing as they release growth factors such as platelet-derived growth factor, transforming growth factor-β, and insulin-like growth factor. These growth factors promote tissue repair and regeneration. Platelet-rich plasma (PRP) has been used for the past two decades to harness these growth factors and aid in wound healing. [1,3]

Over a while, platelet-rich fibrin got evolved and was classified as pure-PRF,

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HEPATITIS B AWARENESS AMONG DENTAL STUDENTS IN THODUPUZHA: A Cross Sectional Study

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Abstract

Background: Hepatitis B virus (HBV) infection is a significant public health concern. Dental students play a crucial role in disease prevention due to their direct patient interactions. This study aimed to assess the level of Hepatitis B awareness among dental students and identify areas of knowledge variation across different study years.

Methods: A cross-sectional survey was conducted among dental students from various study years at Thodupuzha. Participants were queried about HBV-related knowledge, including transmission modes, symptoms, prevention, and vaccination. Statistical analyses were performed to compare awareness levels among different study years.

Results: The results revealed varying levels of HBV knowledge among participants. Third-year students exhibited the highest awareness of HBV being an RNA virus (32.2%), while first-year students displayed the lowest (9.8%). Similarly, understanding the incubation period of HBV was most prevalent among second-year students (26.6%). Notably, 64% mistakenly believed HBV to be an active and live vaccine. Awareness of HBV transmission via dental procedures was highest among third-year students (29%), while interns demonstrated the lowest awareness (19.4%). Correct awareness of transmission through saliva was most notable among third and fourth-year students (22.2%). Knowledge of HBV symptoms in the oral cavity was highest among third-year students (31.5%). Furthermore, third-year students demonstrated the highest awareness of HBV complications (29.1%) and its greater life-threatening risk compared to HIV (32.3%). Awareness of preventive measures varied, with 76.6% reporting complete vaccination, while 63.9% were aware of the scheduled vaccine doses.

Conclusion: This study highlights the variability in Hepatitis B awareness among dental students across different study years. The findings underscore the importance of targeted educational interventions to enhance overall HBV knowledge, ensuring the delivery of quality patient care and occupational safety within dental practice.

Keywords: Hepatitis B, awareness, dental students, knowledge, transmission, prevention, vaccination, education, healthcare.

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Quick Response Code

INTRODUCTION

Hepatitis B (HBV) remains a substantial global health challenge, with a prevalence of approximately 257 million chronic carriers and an annual mortality rate of over 800,000 individuals due to complications such as

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RESEARCH ARTICLE
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HELIOSEAL WITH OR WITHOUT BONDING AGENT TO FIND THE ROLE OF BONDING AGENT IN FLUOROSED MOLARS - AN INVIVO STUDY

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ABSTRACT:

AIM: To evaluate and compare the retention and longevity of non-fluoridated pit and fissure sealants (Helioseal) placed with and without use of bonding agents in young permanent molars affected by Dental Fluorosis in an interval of 1week, 1, 3, 6 and 12 months follow up.

OBJECTIVE: To assess and compare the retention and longevity between HELIOSEAL pit and fissure sealants with bonding agent and without bonding agent in young permanent molar affected by dental fluorosis in an interval of 1 week, 1, 3, 6 and 12 months follow up.

MATERIAL AND METHODOLOGY: The Children were selected from the age group of 7-13 years of either gender. Written informed consent was procured from parents /guardians of all participants prior to the study. A clinical intervention was done among 7-13 years old children reporting to the Department of Pedodontics and Preventive Dentistry of Vivekananda dental college for women in Namakkal Dt., the study sample consists of 45 children.

RESULTS: Comparison of Group A (With Bonding Agent) and Group B (Without Bonding Agent) in HELIOSEAL Sealant with respect to its retention at 1 week, 1, 3, 6 and 12 months by Mann–Whitney U test. The Mean±SD retention was 1±0.00 after 1 week and 1-month follow-up while at 3 month it was1.18±0.39 and 1.04±0.20 for both the groups respectively. After 6 months follow-up Mean±SD retention was 1.40 ± 0.58 and 1.11 ± 0.31 in Helioseal with and without bonding agent groups respectively. After 12 months the Mean±SD was 1.89±0.83 and 1.46±0.72 for both the groups respectively.

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सत्यमेव जयते

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पेटेंट प्रमाण पत्र | **Patent Certificate**

(पेटेंट नियमावली का नियम 74) | (Rule 74 of The Patents Rules)

पेटेंट सं. / Patent No.	:	550218
आवेदन सं. / Application No.	:	202341025098
फाइल करने की तारीख / Date of Filing	:	01/04/2023
पेटेंटी / Patentee	:	DR. GANESH CHAKKARAI

प्रमाणित किया जाता है कि पेटेंटी को, उपरोक्त आवेदन में यथाप्रकटित *WHITE WOOD GRAPHENE-RADIATION PROTECTION SHIELD* नामक आविष्कार के लिए, पेटेंट अधिनियम, 1970 के उपबंधों के अनुसार आज तारीख अप्रैल 2023 के पहले दिन से बीस वर्ष की अवधि के लिए पेटेंट अनुदत्त किया गया है।

It is hereby certified that a patent has been granted to the patentee for an invention entitled *WHITE WOOD GRAPHENE-RADIATION PROTECTION SHIELD* as disclosed in the above mentioned application for the term of 20 years from the 1st day of April 2023 in accordance with the provisions of the Patents Act,1970.

अनुदान की तारीख : 13/09/2024
Date of Grant :

पेटेंट नियंत्रक
Controller of Patents

टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रख जाना है, अप्रैल 2025 के पहले दिन को और उसके पश्चात प्रत्येक वर्ष मे उसी दिन देय होगी।

Note. - The fees for renewal of this patent, if it is to be maintained, will fall / has fallen due on 1st day of April 2025 and on the same day in every year thereafter.

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SRM Medical College Hospital & Research Centre, SRMIST
Department of Medical Research
Minutes of the meeting of the Doctoral Committee

Details of candidate: DR.DEENADAYALAN.P (PC2143004012003)

Category: Part Time/ Internal

Members Present:

1. Dr. C. Deepak MDS., PhD
   Professor and Head : **Guide**
   Department of Orthodontics,
   SRM Kattankulathur Dental College and Hospital

2. Dr. C.J. Venakatakrishnan MDS.,PhD,
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The meeting took place at **12.30PM on 09. 04. 2021.** The Guide welcomed all the members to the meeting. The research Scholar presented his research proposal. The Members of the doctoral committee interacted with the scholar to assess their strength and weaknesses and to identify the topics

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CENTRE FOR ACADEMIC RESEARCH

Date :

REQUISITION FOR CONDUCT OF FIRST DC MEETINGS

Name of Ph.D Scholar : Y. SAMEERA Register Number : D23DS002

Name of Supervisor & Dept : DR. MOHAN VALIATHAN
DEPARTMENT OF PERIODONTICS

Name of the Co-guide & Address (if any) : -

Proposed Date & Time of Meeting : 18-4-2023 @ 9:00 AM

Details of DC Members

DC Member 1

Name : DR. UMA SUDHAKAR

Designation : VICE PRINCIPAL, PROF & HEAD

Address: DEPT OF PERIODONTICS
THAI MOOGAMBIGAI DENTAL COLLEGE

Mail : ums-570@yahoo.co.in

Mobile : 9962075729

DC Member 2

Name : DR. JACOB MATHEW PHILIP

Designation : PROFESSOR

Address : TAGORE DENTAL COLLEGE & HOSPITAL

Mail: jacobmphilip@gmail.com

Mobile : 9840586335

21/04/2023

Signature
(Research Supervisor)

Signature
Dean, (R &D)

Enclose : Payment Screenshot

Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
PRINCIPAL
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur Post,
Melakottaiyur, Chennai-600 127

Sub : Constitution of Doctoral Committee for the Research Scholar AHILA S C registered under the Ph.D.-Dentistry [Ph.D. - PT Int - Medicine] Approval accorded – Regarding
From the names recommended to form the Doctoral Committee for the Research Scholar, AHILA S C registered under the category of Ph.D. - PT Int - Medicine, the following members are approved by the Vice Chancellor.

Research Scholar : AHILA S C

Registration No : PA2443004022001

Area of Research : Dental materials, Prosthodontics

Category : Ph.D. - PT Int - Medicine

Doctoral Committee Members

Convenor	:	Gopichander Professor Department Of Prosthodontics Including Dental Materials SRM Dental College, Ramapuram gopichan@srmist.edu.in Mobile Number: 9840749441
Chairperson	:	Dr.Rajkumar .K Vice Principal Oral Pathology SRM Dental College, Ramapuram rajkumak1@srmist.edu.in Mobile Number: 9500058376
External Member 1	:	DR. C.J VENKATAKRISHNAN Principal and Head of the department Prosthodontics TAGORE DENTAL COLLEGE AND HOSPITAL venkatmds9@gmail.com Mobile Number: 9841109234
External Member 2	:	DR DEVI PARAMESHWARI Professor Prosthodontics Meenakshi Ammal Dental College and Hospital drdevi.prostho@madch.edu.in Mobile Number: 9884021579

Registrar
SRMIST

Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
PRINCIPAL
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur Post,
Melakottaiyur, Chennai-600 127

Bharath
INSTITUTE OF HIGHER EDUCATION AND RESEARCH

(Declared as Deemed-to-be University under section 3 of UGC Act, 1956)
(Vide Notification No. F.9-5/2000 - U.3, Ministry of Human Resource Development, Govt. of India, dated 4th July 2002)

Accredited by NAAC

Phone : 044-22290742 / 22290125 Telefax : 044-22293886
Website : www.bharathuniv.ac.in

173, Agaram Road, Selaiyur, Tambaram,
Chennai - 600 073, Tamil Nadu.

E-MAIL: deanrd@bharathuniv.ac.in

Ref: BU/Ph.D./P-2/23

Date: 13.07.2023

To

Dr. T. Manigandan
Professor – Department of Oral Medicine & Radiology
Sree Balaji Dental College & Hospital – Chennai 600 100

Sir / Madam,

Sub: Ph.D. Programme – Provisional Registration – Orders – Issued.

I am directed to inform you that **S. P. SOUNDARYA** permitted to register provisionally for the Ph.D. Programme on Part – Time (External) basis under the Faculty of **DENTAL– PUBLIC HEALTH** in this University under your guidance with effect from **JANUARY 2023.**

You are requested to convene a Doctoral Committee meeting in the University Campus with the following two experts and HOD / Internal Coordinator, strictly on or before **10.08.2023** and submit the minutes of Doctoral Committee meeting, prescribing the course work to this office, which will facilitate to undergo course work at the earliest.

1. **Dr. G.S. Asokan / Professor & Head / Department of Oral Medicine & Radiology / Tagore Dental College and Hospital**

2. **Dr. T. Sarumathy / Professor & Head / Department of Oral Medicine & Radiology / Madha Dental College & Hospital / Chennai 600 069**

3. **Dr. A. Julius / Professor and Head / Department of Biochemistry / Sree Balaji Dental College and Hospital / Pallikaranai / Chennai 600 100**

The Registration Number of the research scholar is **D23DS008**. In all future correspondence please quote the Registration Number for reference. The Half yearly progress report in the prescribed format commencing from the date of provisional registration, should be obtained from the research scholar at the end of each semester and forwarded to this office.

The research scholar may also be directed to submit the Registration / Enrolment form and the first DC meeting fee of Rs. 20,000/- (Twenty Thousand Only) to be paid before TEN days of the Doctoral Committee meeting, failing which, it will be construed that the research scholar has not completed the Ph.D. admission formalities in full and the provisional registration granted to him / her in the letter is likely to be cancelled.

Yours

(Dr. A. P. Naveenchandran)
Dean (Research)

BIHER DEAN R&D Selaiyur, Chennai-600 073.

Dr. C.S. VENKATA KRISHNAN, M.D.S., Ph.D.,
PRINCIPAL
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur Post,
Melakottaiyur, Chennai-600 127

Bharath
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(Vide Notification No. F.9-5/2000 - U.3, Ministry of Human Resource Development, Govt. of India, dated 4th July 2002)

Accredited by NAAC

Phone : 044-22290742 / 22290125 Telefax : 044-22293886
Website : www.bharathuniv.ac.in

173, Agaram Road, Selaiyur, Tambaram,
Chennai - 600 073, Tamil Nadu.

E-MAIL: deanrd@bharathuniv.ac.in

Ref: BU/Ph.D./P-2/23

Date: 08.09.2023

To

Dr. S. Saravana Kumar
Professor – Department of Oral Maxillofacial Surgery
Sree Balaji Dental College & Hospital – Chennai 600 100

Sir / Madam,

Sub: Ph.D. Programme – Provisional Registration – Orders – Issued.

I am directed to inform you that **PALLAVI AMMU THOMAS** permitted to register provisionally for the Ph.D. Programme on Part – Time (Internal) basis under the Faculty of **DENTAL – ORAL SURGERY** in this University under your guidance with effect from **JULY 2021**.

You are requested to convene a Doctoral Committee meeting * in the University Campus with the following two experts and HOD / Internal Coordinator, strictly on or before **08.10.2023** and submit the minutes of Doctoral Committee meeting, prescribing the course work to this office, which will facilitate to undergo course work at the earliest.

1. **Dr. A. Vinita Mary / Professor & HOD / Department of Public Health Dentisry / Thai Moogambigai Dental College**
2. **Dt. G. S. Asokan / Professor & HOD / Department of Oral Medicine & Radiology / Tagore Dental College**

The Registration Number of the research scholar is **D21DS504**. In all future correspondence please quote the Registration Number for reference. The Half yearly progress report in the prescribed format commencing from the date of provisional registration, should be obtained from the research scholar at the end of each semester and forwarded to this office.

The research scholar may also be directed to submit the Registration / Enrolment form and the first DC meeting fee of Rs. 20,000/- (Twenty Thousand Only) to be paid before TEN days of the Doctoral Committee meeting, failing which, it will be construed that the research scholar has not completed the Ph.D. admission formalities in full and the provisional registration granted to him / her in the letter is likely to be cancelled.

Yours

(Dr. A.P. Naveenchandran)
Dean (Research)

BIHER DEAN R&D Selaiyur, Chennai

DR. C.J. VENKATA KRISHNA PRINCIPAL TAGORE DENTAL COLLEGE & HOSPITAL Rathinamangalam, Vandalur-Kelambakkam Road, Melakottaiyur, Chennai-600 127

Gmail

Jacob Philip <jacobmphilip@gmail.com>

ERP - Ph.D. - Doctoral Committee formation - BRINTHA JEI J [PC2343004012002]

1 message

SRMIST <noreply.evarsity03@srmist.edu.in> Wed, Dec 13, 2023 at 4:18 PM
To: muthukub@srmist.edu.in
Cc: venkatap@srmist.edu.in, nitinmn1@srmist.edu.in, neppolib@srmist.edu.in, ponnusas@srmist.edu.in, selvancm@srmist.edu.in, muthukub@srmist.edu.in, rajkumak1@srmist.edu.in, shivasakthym@gmail.com, jacobmphilip@gmail.com

SRM Institute of Science and Technology
DIRECTORATE OF RESEARCH
S.R.M Nagar , Kattankulathur - 603 203

Date: 13-12-2023

Sub : Constitution of Doctoral Committee for the Research Scholar BRINTHA JEI J registered under the Ph.D.-Dentistry [Ph.D. - PT Int - Medicine - Calendar] Approval accorded – Regarding

From the names recommended to form the Doctoral Committee for the Research Scholar, BRINTHA JEI J registered under the category of Ph.D. - PT Int - Medicine - Calendar, the following members are approved by the Vice Chancellor.

Research Scholar : BRINTHA JEI J

Registration No : PC2343004012002

Area of Research : Dental Materials

Category : Ph.D. - PT Int - Medicine - Calendar

Doctoral Committee Members

Convenor	:	Dr. Muthukumar.B Head Of The Department Department Of Prosthodontics Including Dental Materials SRM Dental College, Ramapuram muthukub@srmist.edu.in Mobile Number: 8778530971
Chairperson	:	Dr.Rajkumar .K Vice Principal Oral Pathology SRM Dental College, Ramapuram rajkumak1@srmist.edu.in Mobile Number: 9500058376
External Member 1	:	DR SHIVASAKTHY MANIVASAKAN Professor Prosthodontics INDIRA GANDHI INSTITUTE OF DENTAL SCIENCES (IGIDS) shivasakthym@gmail.com Mobile Number: 9940724320
External Member 2	:	DR JACOB PHILIP Professor Prosthodontics TAGORE DENTAL COLLEGE AND HOSPITAL jacobmphilip@gmail.com Mobile Number: 9840588335

Dr. C.J. VENKATA KRISHNAN, M.D.S.,
PRINCIPAL
TAGORE DENTAL COLLEGE & HOSP
Rathinamangalam, Vandalur Po
Melakottaiyur, Chennai-600 12

SRM
INSTITUTE OF SCIENCE & TECHNOLOGY

Dr. B. Neppolian
Dean (Research)

Date: 24.06.2022

Dear Dr. S. Balagopal, MDS.

Sub: Ph.D. Programme –Constitution Doctoral Committee-reg.

Provisional Registration has been given to **Dr. Vandana James**, under your Supervision (Research Coordinator) as **Part Time (External)** Scholar in the **SRM Dental College Hospital - Ramapuram**. As per the Ph.D. regulations, a Doctoral Committee consists the following members along with Research Advisor shall have to be constituted by the University.

(1) The Guide (Convener)
(2) Two experts, selected form the Director of respective faculty from a panel of six experts recommended by the guide from the academia/industries/R&D organizations.
(3) The co-guide, if any.
(4) An expert in the allied areas of research from the University if required.
(5) Chairperson of DRCC.

I request you kindly send a panel of six external experts at the earliest to the Dean to select two experts.

The scholar must present herself to the Doctoral Committee along with his research proposal. The doctoral Committee based on the area of research of the scholar, should propose the course works and the same along with a report shall be forwarded to the undersigned.

Thanking you,

Dean - Research 25/6/22

To
Dr. S. Balagopal
Vice Principal
Professor and Head,
Department of Endodontics & Dental Surgeon,
Tagore Dental College & Hospital
Chengalpattu Dist.

Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D
PRINCIPAL
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur Post,
Melakottaiyur, Chennai-600 127

SRM
INSTITUTE OF SCIENCE & TECHNOLOGY

Date: 24.06.2022

Dr. B. Neppolian
Dean (Research)

Dear Dr. S. Mahalaxmi, MDS.

Sub: Ph.D. Programme – Constitution Doctoral Committee-reg.

Provisional Registration has been given to **Dr. Vandana James**, under your supervision as **Part Time (External)** Scholar in the **SRM Dental College Hospital - Ramapuram**. As per the Ph.D. regulations, a Doctoral Committee consists the following members along with Research Advisor shall have to be constituted by the University.

(1) The Guide (Convener)
(2) Two experts, selected form the Director of respective faculty from a panel of six experts recommended by the guide from the academia/industries/R&D organizations.
(3) The co-guide, if any.
(4) In case of Part-Time external candidates, the Co-guide/Research coordinator from the organization where he/she is employed.
(5) An expert in the allied areas of research from the University if required.
(6) Chairperson of DRCC of the concerned department.

I request you kindly send a panel of six external experts at the earliest to the Dean to select two experts.

The scholar must present herself to the Doctoral Committee along with his research proposal. The doctoral Committee based on the area of research of the scholar, should propose the course works and the same along with a report shall be forwarded to the undersigned.

Thanking you,

Dean - Research 25/6/22

To
Dr. S. Mahalaxmi.
Professor & Head,
Department of Conservative Dentistry
SRM Dental College Hospital
Ramapuram - Chennai

Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
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Melakottaiyur, Chennai-600 127

TAGORE DENTAL COLLEGE & HOSPITAL

Rathinamangalam, Melakkottaiyur Post, Chennai - 600 127. Ph : 044 - 3010 2222
E-mail : tagoredch@gmail.com / admin@tagoredch.in Website : www.tagoredentalcollege.com

Recognized by The Dental Council of India, New Delhi
Affiliated to the Tamilnadu Dr. M.G.R. Medical University, Chennai.

INTERNATIONAL STUDENT CELL

PROGRAM CATEGORY	FACULTY EXCHANGE PROGRAM
NAME	MAHSA UNIVERSITY FACULTY VISIT
DATE	31/04/2024
TIME	11AM – 12 noon
VENUE	TAGORE DENTAL COLLEGE & HOSPITAL
ORGANIZERS	INTERNTIONAL STUDENT CELL

Dr. C.K. VENKATA KRISHNAN, M.D.S., Ph.D.,
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INTERNATIONAL STUDENT CELL FACULTY EXCHANGE PROGRAM

In accordance with MOU between MAHSA University and Tagore Dental College and Hospital Dr.G.Padmanabha Kumar, Vice Dean and Professor in MAHSA University, Malaysia visited in our Tagore Dental College and Hospital on 31.04.2024.

He was warmly welcomed by our Principal Dr C J Venkatakrishnan, Principal, Tagore Dental College and Hospital. He was briefed about the college and activities by Dr B Bhuvaneswari, co-coordinator, International Student Cell.

He toured all the clinical departments and lab facilities in our college. He appreciated the infrastructure and functioning in our college. He also discussed about the difference in clinical practice between MAHSA University and Tagore Dental College and Hospital.

He also emphasized that we can have several guest lectures by both the college faculties for the BDS students. He was facilitated with shawl, momento and certificate by our principal.

Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
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Dr G Padmanabha Kumar visited Department of Periodontics



Dr G Padmanabha Kumar visited Department of Endodontics



Dr. C.J.VENKATA KRISHNAN, M.D.S., Ph.D.,
PRINCIPAL
TAGORE DENTAL COLLEGE & HOSPITAL
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Melakottaiyur, Chennai - 600 127.

TAGORE DENTAL COLLEGE & HOSPITAL

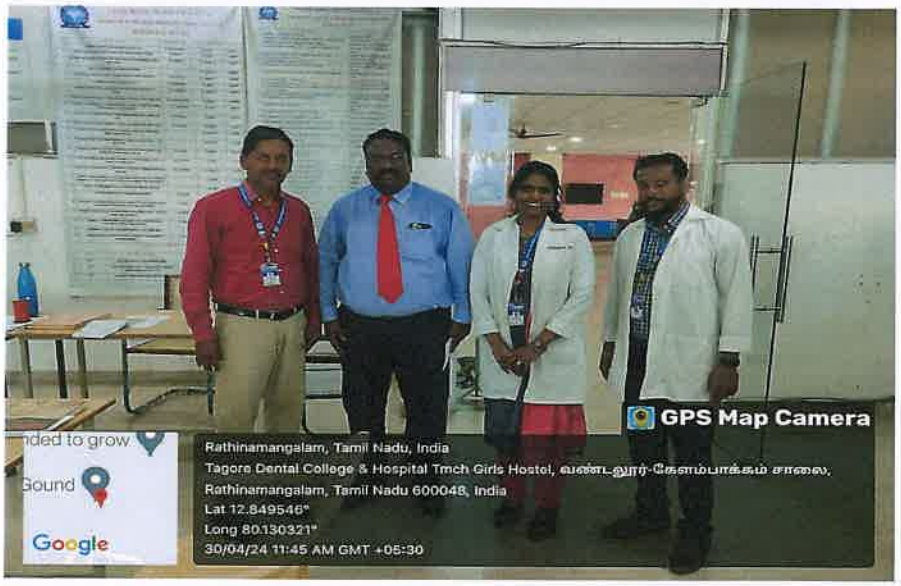
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Dr G Padmanabha Kumar visited Department of Public Health Dentistry



Dr G Padmanaba Kumar visited Department of Oral Medicine



Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
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Dr G Padmanabha Kumar visited Department of Prosthodontics



Dr G .Padmanabha Kumar visited Department of Oral and Maxillofacial Surgery



Dr. C.J. VENKATA KRISHNA M.D.S., FIID,
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Melakottaiyur, Chennai - 600 127.

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Dr G Padmanabha Kumar visited Department of Pedodontics



Dr G Padmanabha Kumar visited Department of Orthodontics



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TAGORE DENTAL COLLEGE
Rathinamangalam, Ve
Melakottaiyur, Chenn

TAGORE DENTAL COLLEGE & HOSPITAL

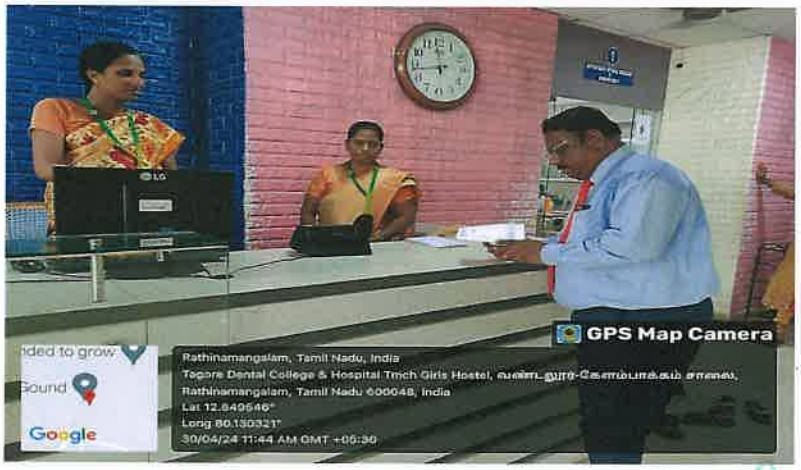
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Dr G Padmanabha Kumar visited VIP clinic



Dr G Padmanabha Kumar visited Reception and viewed case sheet



Dr. C.J.VENKATA KRISHNAN, M.D.S., Ph.D.,
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Department MOU activities with Venkateshwara Diagnostic Centre, Medavakkam (2023 – 2024)

A Memorandum of Understanding (MOU) was executed with Venkateshwara Diagnostic Centre, Medavakkam (2023 – 2024) to facilitate in resource sharing and for future endeavors from 2023 to year 2024. In accordance with the MOU,

- Our Post-graduate students visited the Laboratory on 20/05/2024 (Monday) and gained knowledge on the equipments used and utilized their facilities like CBCT for patients requiring implant placement and aided in placement and angulation of the implant.
- The Laboratory staff provided a tour of the facilities and explained different diagnostic tools and software which is used in dental as well as for general health.
- Our staff incharge DrAarthy had accompanied the students on this field visit.

Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
PRINCIPAL
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur Post,
Melakottaiyur, Chennai-600 127

SIGNATURE OF HOD

TAGORE DENTAL COLLEGE & HOSPITAL

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E-mail : tagoredch@gmail.com / admin@tagoredch.in Website : www.tagoredentalcollege.com

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Affiliated to the Tamilnadu Dr. M.G.R. Medical University, Chennai.

Department MOU activities with Sri Sai Dental lab, Triplicane (2020 – 2024).

A Memorandum of Understanding (MOU) was executed with Sri Sai Dental lab, Triplicane (2020 – 2024) to facilitate in resource sharing and for future endeavors from 2020 to year 2024. In accordance with the MOU,

- Our Post-graduate students visited the Laboratory on 15/02/2024 (Thursday) and gained knowledge on the equipments used and utilized their facilities for the fabrication of all metal, metal ceramic and all-ceramic prosthesis.
- The Laboratory technician explained about several dental lab works like casting and ceramic layering.
- Our staff incharge Dr.Anand had accompanied the students on this field visit.





Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
PRINCIPAL
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur Post,
Melakottaiyur, Chennai-600 127

SIGNATURE OF HOD

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DEPARMENT OF ORAL MEDICINE AND RADIOLOGY



WORLD RADIOLOGY DAY – 8th NOVEMBER 2023

REPORT

DATE: 8th NOVEMBER 2023

PLACE: CHENNAI

Dr. C.J. Vanathi
PRINCIPAL
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur Post,
Melakottaiyur, Chennai - 600 127.

TAGORE DENTAL COLLEGE & HOSPITAL

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WORLD RADIOLOGY DAY – INDUSTRIAL VISIT REPORT

SL. NO.	INDUSTRIAL VISIT	PARTICIPANT DETAILS
1.	**CRRI STUDENTS**	MARLIYA SULTAN, JENISHA, SANGILI VIGNESH, SANGAVI, SHALINI
2.	**FACULTY**	DR. SINDHU. P, M.D.S. ORAL MEDICINE AND RADIOLOGY
3.	**DATE AND TIME**	08/11/2023 [10 AM – 12 PM]
4.	**VENUE**	**SRI VENKATESWARA DIAGNOSTIC CENTRE,** NO. 320, FLAT A1, SAKTHI ELEGANCE APARTMENT, VELACHERY MAIN ROAD, VELACHERY, CHENNAI – 600042.

Dr. G.J.VENKATA KRISHNAN, M.D.S., Ph.D.,
PRINCIPAL
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur Post,
Melakottaiyur, Chennai - 600 127.

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DEPARTMENT OF ORAL MEDICINE AND RADIOLOGY

Email:oralmed@tagoredch.in

LT.REF NO.TDC&H/OMR/2023/15 **Date: 07/11/2023**

On account of World Radiology Day, Department of Oral Medicine and Radiology is Organizing an **Industrial Visit** for the CRRI students to Sri Venkateswara Diagnostics CBCT Centre, Velachery on 8th November 2023.

Thank you

Dr. G.S. Asokan

Head of the Department

Oral Medicine and Radiology

Dr. G.S. ASOKAN
Professor & HOD,
Dept. of Oral Medicine & Radiology.
TAGORE DENTAL COLLEGE AND HOSPITAL
RATHINAMANGALAM, MELAKKOTTAIYUR (P.O)
CHENNAI-600 127.

Dr. C.J. Venkatakrishnan

PRINCIPAL

Dr.C.J.VENKATA KRISHNAN, M.D.S. Ph.D.
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RATHINAMANGALAM, VANDALUR POST,
MELAKOTTAIYUR, CHENNAI-600 127.

Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.
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WORLD RADIOLOGY DAY

On account of World Radiology Day, the Department of Oral Medicine and Radiology organized an industrial visit for the CRRI students to CBCT Centre, Sri Venkateswara Diagnostics, Velachery on 8th November 2023.

CRRI students were given a detailed explanation using live demonstration about the **principles and working** of **CBCT** (2D and 3D), **CBCT patient demonstration** and **Skull views**. Students were also given an insight about the **working of Ultrasonography** and its applications in oral medicine. Students actively participated and clarified doubts with enthusiasm. The students were benefited deeply through the industrial visit.

We sincerely thank our esteemed Chairperson, Prof. Dr. M. Mala ma'am and our respected Principal, Dr. C.J. Venkatakrishnan sir for their guidance and support.

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DEPARTMENT OF PERIODONTICS

PROGRAM CATEGORY	STUDENT EXCHANGE PROGRAM
NAME OF THE PROGRAMME	CLINICAL & RESEARCH LAB VISIT FOR CRRI STUDENTS
DATE	16.02.2024
DAY	Friday
VENUE	Meenakshi Ammal Dental College& Hospital
ORGANISERS	Department of Periodontics, Tagore Dental College & Hospital.
NUMBER OF PARTICIPANTS	8 CRRI students

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DEPARTMENT OF PERIODONTICS

Organized

STUDENT EXCHANGE PROGRAM

With

MEENAKSHI AMMAL DENTAL COLLEGE & HOSPITAL

Clinical and Research Lab visit of CRRI students from Tagore Dental College and Hospital

Date:16.02.2024

Venue : Meenakshi Ammal Dental College & Hospital

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DEPARTMENT OF PERIODONTICS

STUDENT EXCHANGE PROGRAM

CLINICAL AND RESEARCH LAB VISIT FOR CRRI STUDENTS

DATE:16.02.2024

VENUE : MEENAKSHI AMMAL DENTAL COLLEGE & HOSPITAL

CRRI students from Tagore Dental College visited Central Research lab at Meenakshi Ammal Dental college .Totally 8 CRRI students participated in the field visit. The students were accompanied by Dr.Juala Catherine, Reader, Department of Periodontics, Tagore Dental College and hospital. The students visited the Postgraduate section of Department of Periodontics, Meenakshi Ammal Dental College .

The students were introduced to the post graduate students and they assisted PG students in Mucogingival and Flap surgeries. The students were given demonstration about LASER equipment, Implant kit and Physiodispenser by one of the PG students .

The students were then taken around the clinical lab and research lab, and explained about various laboratory diagnostic technique used in periodontal research. The program concluded with certificate distribution. All the students were immensely benefited by the visit.

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Photos :



Students from Tagore Dental college with Dr.Juala Catherine, Reader, Department of Periodontics,Tagore Dental College and Dr.Jaideep Mahendra ,Professor and HOD, Department of Periodontics, Meenakshi Ammal Dental College.

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CRRI students observing and assisting Mucogingival and Flap surgeries



Demonstration of implant kit.



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INTERNAL QUALITY ASSURANCE COMMITTEE
Email: iqac@tagoredch.in

Dr. C.J Venkatakrishnan
(Principal &Chairperson)

Dr. S. Balagopal
(Vice Principal, Academics& IQAC Coordinator)

Dr. Jacob M Philip
Member Secretary

MEMBERS

1. Dr. S Bhuvaneswari
2. Dr.Juala Catherine
3. Dr. C.S Shobana
4. Dr. Anand
5. Dr.M. NavinBharathy
6. Dr.A. Shanthinipriya
7. Dr. D. Anita
8. Mr. K.S Kasi
9. Prof.A.Maheswaran

TDC&H/IQAC/2023/09 25/10/2023

CIRCULAR

The IQAC is organizing a field visit for 1st year PG students to the WHITE LAB at Saveetha Dental College on 7th Nov 2023. All the 1st year PG students are requested to register

TOPIC : EXPLORING DENTAL RESEARCH EQUIPMENT.

Co-ordinator : Dr.Jacob Mathew Philip (Mob NO. 9840588335)

for
IQAC COORDINATOR

PRINCIPAL
Dr.C.J.VENKATA KRISHNAN,M.D.S.,Ph.D.,
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MELAKOTTAIYUR, CHENNAI-600 127.

FIELD VISIT REPORT

WHITE LAB – EXPLORING DENTAL RESEARCH

NAME OF THE FACILITY: Saveetha dental college and hospital

TYPE OF FACILITY: White lab

DATE: 07.11.2023

SESSION 1:

Had a lecture on research equipment in material science and equipment's working principles to test the properties of various materials used in dentistry



SESSION 2:

Had a demonstration on various equipment available in the lab

- ✓ Nano CT
- ✓ Confocal laser scanning microscope
- ✓ Nano scanning electron microscope
- ✓ Atomic force microscope
- ✓ X-ray diffractometer
- ✓ Universal testing machine
- ✓ Chewing stimulator
- ✓ Brushing stimulator
- ✓ Goniometer
- ✓ Stylus profilometer
- ✓ Dip coater
- ✓ Hard tissue and precision microtome

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- ✓ Spectrophotometer
- ✓ Bioluminometer
- ✓ Photocolorimeter
- ✓ Ph meter
- ✓ Hardness tester
- ✓ FTIR spectrometer
- ✓ Stereomicroscope



SESSION 3:

Had an individualized discussion on various thesis topics and its feasibility.

SESSION 4:

Had the validation program and feedback session



Staff InCharge

Head of the department

Field visit - White lab , Saveetha dental college

S.no	Names	Signature
1	Dr. Jacob Mathew Philip, Professor, Department of Prosthodontics	
2	Dr. Helen Mary Abraham, Reader, Department of Prosthodotics	
3	Nishaali MM, First year PG, Department of Prosthodontics	
4	Harshini SA, First year PG, Department of Prosthodontics	
5	Varun Prasad, First year PG, Department of Endodontics	
6	Athira , First year PG, Department of Endodontics	
7	Rajamadevi, First year PG, Department of Endodontics	
8	Anne Shirley Priyanka, First year PG, Department of Orthodontics,	
9	Rahul George Mathew, First year PG, Department of Orthodontics,	



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TAGORE DENTAL COLLEGE AND HOSPITAL

RESEARCH COMMITTEE

FIELD VISIT REPORT

2023-2024

DATE: 26 February 2024

PLACE : Animal house,

Tagore Medical College and Hospital

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FIELD VISIT REPORT

S.No	ANIMAL HOUSE VISIT	PARTICIPANT DETAILS
1.	CRRI students	1st YEAR POSTGRADUATES
2.	FACULTY	Dr.T.M.Balaji, Adjunct Professor of Research, Dr.S.Shivani, Research Co-ordinator
3.	DATE AND TIME	26/2/2024 ,MONDAY at 10 am
4.	VENUE	Animal House Tagore Medical College and Hospital.

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RESEARCH COMMITTEE – FIELD VISIT

Ref No.:IRC/TDC&H/FV/2023-2024/3Date: 14/02/2024

The research committee of Tagore Dental College and Hospital is organizing a field visit to the Animal House facility of Tagore Medical College and Hospital.

Date & Time:26/2/2024 ,MONDAY at 10 am

PRINCIPAL

Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
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OFFICE ORDER NO/14/2024 **Date: 05.02.2024**

From
The Principal
Tagore Dental College & Hospital
Rathinamangalam
Chennai- 600127

To
The Dean
Tagore Medical College & Hospital
Rathinamangalam
Chennai- 600127

Respected Sir

As a part of the Research Committee activities of Tagore Dental College & Hospital, we planned to conduct field visit for students from Ist Year BDS to CRRI and Ist Year Post Graduates to the animal House and Incubation centre of Tagore Medical College & Hospital. The Following schedule has been planned in this regard.

Date & Time	Field visit Venue	Year
23.02.2024, 10.00AM	Animal House	CRRI
23.02.2024, 10.30AM	Incubation Centre	CRRI
26.02.2024, 10.00 AM	Animal House	Ist Year PG
26.02.2024, 10.30 AM	Incubation Centre	Ist Year PG
04.03.2024, 10.30 AM	Incubation Centre	Ist Year BDS
07.03.2024, 10.30 AM	Incubation Centre	2nd Year BDS
11.03.2024, 10.30 AM	Incubation Centre	3rd Year BDS
14.03.2024, 10.30 AM	Incubation Centre	4th Year BDS

I request your permission to support us to complete the above mentioned field visit

DEAN
TAGORE MEDICAL COLLEGE & HOSPITAL
RATHINAMANGALAM, MELAKOTTAIYUR POST,
Chennai-600 127.

Thanking You

PRINCIPAL
Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
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Research committee of Tagore Dental College and Hospital organized a field visit for the FIRST YEAR POSTGRADUATE students to Animal House Facility,Tagore Medical College and Hospital, Rathinamangalam on 26 th February,2024.The visit aimed to provide students with practical insights into animal study activities ,animal welfare and advocacy.

Upon arrival, we were warmly welcomed by Animal house staff member. He introduced us to the shelter and explained its day-to-day operations, emphasizing theimportance of providing care and shelter to animals in need. Throughout the visit, we engaged in discussions with shelter staff and volunteers, learning about theirexperiences and the challenges they face in maintaining the animal house.

The laboratory houses rats, mice and rabbits. Each species of animals is housed in barrier maintained individual rooms to avoid disease transmission and inter-species conflicts. The animals are guarded from dust, smoke, noise, wild rodents, insects and birds-in fact anything that would disturb their habitat. A high degree of hygienic conditions (macro- and micro- environment) around the animals are maintained as per the CPCSEA guidelines.

The veterinarian keeps them under daily observation and monitors any behavioural changes or signs of illness. He supervises their diet and sanitation and contributes to the formulation of appropriate policies and procedures for ancillary aspects of veterinary care.

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Students were explained about the Animal House registration with the Committee for the Purpose of Control and Supervision of Experiments on Animals (CPCSEA), Ministry of Environment and Forests, Govt. of India.They were also explained the facilities, policies and practices concerning the care and use of animals.

We sincerely thank our esteemed Chairperson, Prof. Dr. M. Mala ma'am and our respected Principal, Dr. C.J. Venkatakrishnan sir for their guidance and support.

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FIELD VISIT PICS







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ATTENDANCE SHEET

ATTENDANCE SHEET -I Year PG

S NO	NAME OF THE STUDENTS
1	HARSHINI S A
2	NISHAALI M M
3	MARSHALKENNEDY K J
4	SRI JEYA SOORIYAA V S
5	ATHIRA K
6	RAJAMADEVI D
7	VARUN PRASAD R
8	ANNIE SHIRLY PRIYANKA G
9	NITHYA J
10	RAHUL GEORGE MATHEW

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TAGORE DENTAL COLLEGE AND HOSPITAL

RESEARCH COMMITTEE

FIELD VISIT REPORT

2023-2024

DATE: 23 February 2024

PLACE : Animal house,

Tagore Medical College and Hospital

DR. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
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FIELD VISIT REPORT

S.No	ANIMAL HOUSE VISIT	PARTICIPANT DETAILS
1.	**CRRI students**	CRRI BATCH
2.	**FACULTY**	Dr.T.M.Balaji, Adjunct Professor of Research, Dr.S.Shivani, Research Co-ordinator
3.	**DATE AND TIME**	23/2/2024 ,FRIDAY at 10 am
4.	**VENUE**	Animal House Tagore Medical College and Hospital.

Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
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RESEARCH COMMITTEE – FIELD VISIT

Ref No.:IRC/TDC&H/FV/2023-2024/1 Date: 13/02/2024

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Date & Time:23/2/2024 ,FRIDAY at 10 am

PRINCIPAL

Dr. C.J. VENKATA MOHNAN, M.D.S., Ph.D.,
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OFFICE ORDER NO/14/2024 **Date: 05.02.2024**

From
The Principal
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Chennai- 600127

To
The Dean
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PRINCIPAL
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FIELD VISIT PICS





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ATTENDANCE SHEET

ATTENDANCE SHEET -CRRI

S NO	NAME OF THE STUDENTS
1	ABIRAMI B
2	ABITHA K
3	AISHWARYA LAKSHMI M
4	AISHWARYA RAVI R
5	AJITHA R
6	AKILASH R
7	AKSHAYA KITTU SENTHIL KUMAR
8	AMARA DEEPIKA I
9	AMIRTHA R
10	ANUSHYA R
11	ARCHANA SRIRAMULU B
12	AROKIA ALICE TRISHY P
13	ARUMATHI M
14	ARAVIND S NAGALINGAM
15	BARATHRAJ B
16	BHAARGAV ANAND A
17	BHAVITHRA A
18	CELCIA SEKAR L
19	CHANDHINI M
20	CHARULATHA M
21	CHARULATHA R D
22	CYNTHIYA B
23	DEVAGANESH S
24	DHANASEKARAN D
25	DHANISH KUMAR K
26	DINESH I
27	DIVYA D
28	HEMAVATHY M
29	HINDUMATHI V
30	JAGADEESH N
31	KRISHNA MOORTHI R
32	LAVANYA V
33	LEENA M
34	LINCY SERRINA C
35	MOGANA PREYA T
36	MOHAMED AFRITH S
37	MOHAMED ILYAS A
38	MOHAMED SHAHID AZEEM K
39	MOHIDEEN HAIRUN SUMAIYA A
40	MURALIDHARAN K
41	NATCHATHRA R
42	NAVEEN PAUL SINGH S
43	NIRMAL KUMAR R
44	NIRUPAMA R
45	NISHA D
46	NIVETHA M
47	PRAGADEESHWARAN T
48	PRISCILLA NAKKA N
49	RAM KUMAR S
50	RITHISH KUMAR S
51	ROHITH KUMAR M
52	RUBAAHAR S
53	SABREEN FASEEHA AMEER HAMZA A
54	SAJIDA SELVAM RAFI R.
55	SHREYA V
56	SHRINITHI K
57	SIVAPRASAATH S
58	SNEHA M
59	SNEHA R
60	SNEHA S
61	SRISHTIKA MOHANA GANESH MURTHY M
62	SUCHITHRA A
63	SUJA S
64	SUNDARAKANNAN E
65	SUSHMITHA S
66	SWARNAMALIKA S
567	SWATHI M
68	SWETHA T
69	SYED ALITHAF S
70	TAMIL SELVI R
76	THAMARAI G
77	THARANYA S A
78	UMAMAHESWARI D
79	VARSHA S
80	VASUNDHARA T
81	VEDANTHAN K S
82	VIDHYA M
83	YAMUNA R
84	YUVAN SAI M P

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TAGORE DENTAL COLLEGE AND HOSPITAL

RESEARCH COMMITTEE

FIELD VISIT REPORT

2023-2024

DATE: 14th MARCH 2024

PLACE : Incubation centre,

Tagore Medical College and Hospital

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FIELD VISIT REPORT

S.No	INCUBATION CENTER VISIT	PARTICIPANT DETAILS
1.	**CRRI students**	FINALYEAR UG
2.	**FACULTY**	Dr.T.M.Balaji, Adjunct Professor of Research, Dr.S.Shivani, Research Co-ordinator
3.	**DATE AND TIME**	14/3/2024 ,THURSDAYat 10 30 am
4.	**VENUE**	Incubation Centre Tagore Medical College and Hospital.

Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
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RESEARCH COMMITTEE – FIELD VISIT

Ref No.:IRC/TDC&H/FV/2023-2024/8 Date: 4/03/24

The research committee of Tagore Dental College and Hospital is organizing a field visit to the Incubation centre of Tagore Medical College and Hospital.

Date & Time:14/03/2024 ,THURSDAY at 10 30 am

PRINCIPAL

DR. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
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OFFICE ORDER NO/14/2024 **Date: 05.02.2024**

From
The Principal
Tagore Dental College & Hospital
Rathinamangalam
Chennai- 600127

To
The Dean
Tagore Medical College & Hospital
Rathinamangalam
Chennai- 600127

Respected Sir

As a part of the Research Committee activities of Tagore Dental College & Hospital, we planned to conduct field visit for students from Ist Year BDS to CRRI and Ist Year Post Graduates to the animal House and Incubation centre of Tagore Medical College & Hospital. The Following schedule has been planned in this regard.

Date & Time	Field visit Venue	Year
23.02.2024, 10.00AM	Animal House	CRRI
23.02.2024, 10.30AM	Incubation Centre	CRRI
26.02.2024, 10.00 AM	Animal House	Ist Year PG
26.02.2024, 10.30 AM	Incubation Centre	Ist Year PG
04.03.2024, 10.30 AM	Incubation Centre	Ist Year BDS
07.03.2024, 10.30 AM	Incubation Centre	2nd Year BDS
11.03.2024, 10.30 AM	Incubation Centre	3rd Year BDS
14.03.2024, 10.30 AM	Incubation Centre	4th Year BDS

I request your permission to support us to complete the above mentioned field visit

Thanking You

DEAN
TAGORE MEDICAL COLLEGE & HOSPITAL
RATHINAMANGALAM, MELAKOTTAIYUR POST,
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PRINCIPAL
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Research committee of Tagore Dental College and Hospital organized a field visit for the 4TH year BDS students to Incubation Centre Facility,Tagore Medical College and Hospital, Rathinamangalam on March 14TH,2024.The visit aimed to provide students with practical insights into research activities.Upon arrival, we were warmly welcomed by the incubation centre incharge . He introduced us to the activities of the centre.

The Incubation centre houses basic and advanced research equipment pertaining to biomedical research and molecular biology. The state of the art centre houses facilties to conduct PCR analysis, ELISA and gel documentation.

The basic facilities available include deep freezer, ELISA reader, sensitive analytical balance and many others.

The centre is also equipped with bioinformatics in silico study facilities such as docking and simulation studies which can be performed under the able guidance of Dr.I.Kannan.

The students were also explained about research entrepreneurship .

We sincerely thank our esteemed Chairperson, Prof. Dr. M. Mala ma'am and our respected Principal, Dr. C.J. Venkatakrishnan sir for their guidance and support.

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FIELD VISIT PICS





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ATTENDANCE SHEET

ATTENDANCE SHEET- IV TH YEAR

S NO	NAME OF THE STUDENTS
1	AAISHWARYA R
2	AARTHI R
3	ANJANAA D
4	ANUPAMA RAJEEVAN
5	ANUSHA DEVI R
6	ARTHEESWARE K
7	ARUN KUMARESH S
8	BALAMURUGAN A K
9	BRINDHINI K
10	CHAARUMATHI M
11	DEEPIKA
12	DEEPTI K
13	DEPTHI D
14	DHINESH ARAVIND V
15	DHIVYADHARSHINI J
16	ELAKIYA I
17	GOMALA D
18	HARINI M K
19	HARINI N S
20	HEMALATHA C
21	HEMAMALINI S
22	ILAKKIYA S
23	INITHA
24	JAYALAHTA G
25	JAYASHRI P
26	JEEVITHA
27	JESMINA J
36	MIRUDHULA
37	MOHAMMED MOINUDDIN
38	MONISHA B
39	NIVEDHA S L
40	PARSHINI G
41	POOJA G
42	POOJA SRI M
43	PRITHI R
44	PRIYADHARSHINI J
45	PRIYADHARSHINI S
46	PRIYAJYOTHI S A
47	RAKSHANA J S
48	REVATHI D
49	RITHVINA V
50	ROJA S
51	ROSHINI T
52	RUBA SWATHI B
53	RUBY PRICILLA A
54	SABREENA S
55	SANTHIYA S
56	SASIKUMAR S
57	SHERYA K
58	SINDHUJA. P
59	SIVASURYA J
60	SNEHA V
61	SONIYA A
62	SUJI V
63	SUJITHA R
64	SUSHMA STALIN
65	SWETHA
66	SWETHASREE S
67	TAMILTHAMBI S
68	TAMIZH PRIYA P
69	VAISHNAVI M
70	VAISHNAVI P
71	VARSHA S
72	VARSHA. S
73	VIJAYA LAKSHMI A
74	VINISHA T

s

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TAGORE DENTAL COLLEGE AND HOSPITAL

RESEARCH COMMITTEE

FIELD VISIT REPORT

2023-2024

DATE: 11th MARCH 2024

PLACE : Incubation centre,

Tagore Medical College and Hospital

Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
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FIELD VISIT REPORT

S.No	INCUBATION CENTER VISIT	PARTICIPANT DETAILS
1.	**CRRI students**	THIRD YEAR UG
2.	**FACULTY**	Dr.T.M.Balaji, Adjunct Professor of Research, Dr.S.Shivani, Research Co-ordinator
3.	**DATE AND TIME**	11/3/2024 ,MONDAY at 10 30 am
4.	**VENUE**	Incubation Centre Tagore Medical College and Hospital.

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RESEARCH COMMITTEE – FIELD VISIT

Ref No.:IRC/TDC&H/FV/2023-2024/7 Date: 1/03/24

The research committee of Tagore Dental College and Hospital is organizing a field visit to the Incubation centre of Tagore Medical College and Hospital.

Date & Time:11/03/2024 ,MONDAY at 10 30 am

PRINCIPAL

Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
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OFFICE ORDER NO/14/2024 **Date: 05.02.2024**

From
The Principal
Tagore Dental College & Hospital
Rathinamangalam
Chennai- 600127

To
The Dean
Tagore Medical College & Hospital
Rathinamangalam
Chennai- 600127

Respected Sir

As a part of the Research Committee activities of Tagore Dental College & Hospital, we planned to conduct field visit for students from Ist Year BDS to CRRI and Ist Year Post Graduates to the animal House and Incubation centre of Tagore Medical College & Hospital. The Following schedule has been planned in this regard.

Date & Time	Field visit Venue	Year
23.02.2024, 10.00AM	Animal House	CRRI
23.02.2024, 10.30AM	Incubation Centre	CRRI
26.02.2024, 10.00 AM	Animal House	Ist Year PG
26.02.2024, 10.30 AM	Incubation Centre	Ist Year PG
04.03.2024, 10.30 AM	Incubation Centre	Ist Year BDS
07.03.2024, 10.30 AM	Incubation Centre	2nd Year BDS
11.03.2024, 10.30 AM	Incubation Centre	3rd Year BDS
14.03.2024, 10.30 AM	Incubation Centre	4th Year BDS

I request your permission to support us to complete the above mentioned field visit

Thanking You

DEAN
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Chennai-600 127.

PRINCIPAL
Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
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Research committee of Tagore Dental College and Hospital organized a field visit for the 3RD year BDS students to Incubation Centre Facility,Tagore Medical College and Hospital, Rathinamangalam on March 11TH,2024.The visit aimed to provide students with practical insights into research activities.

Upon arrival, we were warmly welcomed by the incubation centre incharge.He introduced us to the activities of the centre.The Incubation centre houses basic and advanced research equipment pertaining to biomedical research and molecular biology. The state of the art centre houses facilties to conduct PCR analysis, ELISA and gel documentation.

The basic facilities available include deep freezer, ELISA reader, sensitive analytical balance and many others.The centre is also equipped with bioinformatics in silico study facilities such as docking and simulation studies which can be performed under the able guidance of Dr.I.Kannan.

The students were also explained about research entrepreneurship .We sincerely thank our esteemed Chairperson, Prof. Dr. M. Mala ma'am and our respected Principal, Dr. C.J. Venkatakrishnan sir for their guidance and support.

Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
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FIELD VISIT PICS





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ATTENDANCE SHEET

ATTENDANCE SHEET – III rd Year

S NO	NAME OF THE STUDENTS
1	ABHINAYA S
2	AISWARYA R
3	AKSHAYA B
4	AKSHAYA S V
5	AKSHIYA
6	AMRITHAVARSHINI S
7	AMSA BERTILLA L
8	ANAGHA P B
9	ANBUKARASI L
10	ANGEL C
11	ARUNRAM R
12	ASHWINI V
13	ATHITHI
14	ATKA SHERIF
15	AYISHA FAREEN M
16	BHAVYA SHREE B
17	BOOMIKA G
18	BOWDEEGA M
19	DHANASHREE N
20	HARINI G
21	HARISH K
22	HARSHITA M
23	HEMALATHA M
24	HEMALATHA G
25	HEMAN ARAVIND D
26	HEPZIBHA BEULA MARY T
27	IDA DORATHI R
28	INDUMATHI R
29	JAI DEEPA RAJ A
30	JANANI M
31	JASANTH B
32	JEEVAPRIYAN K
33	JEFFRIN LU ALEX
34	KABIL S
35	KALAIARASI S
36	KANISHROSHAN R
37	KARANYA S
38	KARTHIGA M
39	KAVIYA M
40	KAVIYAM S
41	LAVANYA R
42	MADHUMITHA P
43	MAGIMA PRATHANA E
44	MAHALAKSHMI P
45	MARUTHAVARSHINI T
46	MOGANAMBAL N
47	MOHAMED FAIZUL ANFEER S
48	MOHANA PRIYA J R
49	MOHITHA S
50	NIHALSULTANA P
51	NISHANTH S
52	PADMASRI R
53	PARTHASARATHY V
54	PAWAN KUMAR
55	POOJA S B
56	POORNIMA B
57	PREETHI P
58	PREETHI V
59	RAGA SRI K
60	RAGAVI PRIYA S K
61	RANJITHA B
62	RUGANI R
63	SAARUKESH K L
64	SAMATHA MAANASICA S G
65	SANDHIYA RATHI G
66	SANKAR ALIAS HARIHARASUDHAN M
67	SATHYA SHREE T
68	SHARIA
69	SHARNITHA K S
70	SHREE VARSHINI A M
71	SINDHU S
72	SINEKAA R
73	SIVA SATHYAN S
74	SOMESHWARAN M
75	SOWMIYA V
76	SOWMIYA RAJAN
77	STANICA VAZ E
78	SUDHAKAR S L
79	SUJITHRA K
80	THARUN KUMAR S
81	VARSHINIEE S
82	VARSHINI V
83	VIGASH D
84	VIJAI SANKAR K
85	VINITH V
86	VISHNU PRIYA S V
87	YASMEEN M

Dr. D.V. VENKATA KRISHNAN, M.D.S., Ph.D.,
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TAGORE DENTAL COLLEGE AND HOSPITAL

RESEARCH COMMITTEE

FIELD VISIT REPORT

2023-2024

DATE: 7th MARCH 2024

PLACE : Incubation centre,

Tagore Medical College and Hospital

Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
PRINCIPAL
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FIELD VISIT REPORT

S.No	INCUBATION CENTER VISIT	PARTICIPANT DETAILS
1.	CRRI students	SECOND YEAR UG
2.	FACULTY	Dr.T.M.Balaji, Adjunct Professor of Research, Dr.S.Shivani, Research Co-ordinator
3.	DATE AND TIME	07/3/2024 ,THURSDAY at 10 30 am
4.	VENUE	Incubation Centre Tagore Medical College and Hospital.

DR. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
PRINCIPAL
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RESEARCH COMMITTEE – FIELD VISIT

Ref No.:IRC/TDC&H/FV/2023-2024/6 Date: 28/02/24

The research committee of Tagore Dental College and Hospital is organizing a field visit to the Incubation centre of Tagore Medical College and Hospital.

Date & Time:07/03/2024 ,THURSDAY at 10 30 am

PRINCIPAL

Dr. C.J. V[illegible]N, M.D.S., Ph.D.,
PRINCIPAL
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OFFICE ORDER NO/14/2024 **Date: 05.02.2024**

From
The Principal
Tagore Dental College & Hospital
Rathinamangalam
Chennai- 600127

To
The Dean
Tagore Medical College & Hospital
Rathinamangalam
Chennai- 600127

Respected Sir

As a part of the Research Committee activities of Tagore Dental College & Hospital, we planned to conduct field visit for students from Ist Year BDS to CRRI and Ist Year Post Graduates to the animal House and Incubation centre of Tagore Medical College & Hospital. The Following schedule has been planned in this regard.

Date & Time	Field visit Venue	Year
23.02.2024, 10.00AM	Animal House	CRRI
23.02.2024, 10.30AM	Incubation Centre	CRRI
26.02.2024, 10.00 AM	Animal House	Ist Year PG
26.02.2024, 10.30 AM	Incubation Centre	Ist Year PG
04.03.2024, 10.30 AM	Incubation Centre	Ist Year BDS
07.03.2024, 10.30 AM	Incubation Centre	2nd Year BDS
11.03.2024, 10.30 AM	Incubation Centre	3rd Year BDS
14.03.2024, 10.30 AM	Incubation Centre	4th Year BDS

I request your permission to support us to complete the above mentioned field visit

Thanking You

DEAN
TAGORE MEDICAL COLLEGE & HOSPITAL
RATHINAMANGALAM, MELAKOTTAIYUR POST,
Chennai-600 127.

PRINCIPAL
Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
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Research committee of Tagore Dental College and Hospital organized a field visit for the 2NDyear BDS students to Incubation Centre Facility, Tagore Medical College and Hospital, Rathinamangalam on March 7th,2024.The visit aimed to provide students with practical insights into research activities.

Upon arrival, we were warmly welcomed by the incubation centre in charge. He introduced us to the activities of the centre.

The Incubation centre houses basic and advanced research equipment pertaining to biomedical research and molecular biology. The state of the art centre houses facilities to conduct PCR analysis, ELISA and gel documentation.

The basic facilities available include deep freezer, ELISA reader, sensitive analytical balance and many others.

The centre is also equipped with bioinformatics in silico study facilities such as docking and simulation studies which can be performed under the able guidance of Dr.I.Kannan.

The students were also explained about research entrepreneurship.We sincerely thank our esteemed Chairperson, Prof. Dr. M. Mala ma'am and our respected Principal, Dr. C.J. Venkatakrishnan sir for their guidance and support.

Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
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FIELD VISIT PICS



Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
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Dr. G.S. VENKATA KRISHNAN, M.D.S., Ph.D.,
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ATTENDANCE SHEET

ATTENDANCE SHEET- IInd Year

S NO	NAME OF THE STUDENTS
1	AAMINA AHMED S
2	AFRA ZUHAILA M
3	AKSHAYA S
4	AMATHULLAH AL SARIFA M
5	ARAVINDAPANDI B
6	ASHVITHA A
7	ASMITHA B
8	AYISHA SIDDHIQHA J
9	BAVITHRA A
10	BHUVANESHWARI M
11	BRAVEESRI V
12	CHANDRA KAVIYA S
13	DELVIN JOSHVA S
14	DHABISHA M
15	DHARSHINI M P
16	DHIVYABHARATHI P
17	DIYA SYED J
18	EVANGELIN A
19	GAYATHRI S R
20	GOPERUNDEVI I
21	HEMALATHA P
22	HEMAVARSHINI S
23	ISRAEL SOLOMON N
24	JAISRIJHA P
25	JANAKI S
26	JANANI S
27	JEEVAVARSHINI M
28	JEEVITHA V
29	KALPANA S
30	KANISHKA S
31	KARTHIGAI YUVALAKSHMI G
32	KEERTHANA M
33	KIRUTHIKA M
34	KRISTHIGA M
35	LINI PRIYADHARSHINI M D
36	MADHUMITHA S
37	MAGESHWARI M
38	G MERCY BEULAH
39	MUBASHIRA RIFATH C
40	NARMADHA N
41	NAVEEN N
42	NAVEENA R
43	NIVEDHIKA M
44	NIVETHASUNDARI K
45	PON DEVIKA G
46	POOJA S
47	RABEENA C
48	RAJALAKSHMI S
49	RAMYA K
50	RESHMUGI D R
51	REXCY NIVETHA C
52	ROHAN SHRIDA R
53	ROSHINI K S
54	ROSHNA SHERLIN M
55	RUBASRI K
56	RUPA SHREE B
57	SAGHANA G
58	SANTHIYA J
59	SANTHOSHKUMAR S
60	SATHUR SENAN R
61	SATHYA LAKSHMI R
62	SHEEBHA DHAMANI K
63	SHOBAN T
64	SINDHU T
65	SIYONA RUBIYA S
66	SREENIDHI S
67	SRIDHARSHINI M
68	SRIJA S
69	SUBHA G
70	SUHAIL RAHMAN M J
71	SURUTHI M
72	SUSHMITHA A
73	SWATHI P
74	SWATHI ROSHINI P P
75	SWETHA S
76	THIRISHA SHANKAR
77	VETRISELVI D
78	VISHWARAJ M
79	YUVASHREE R G

Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
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TAGORE DENTAL COLLEGE AND HOSPITAL

RESEARCH COMMITTEE

FIELD VISIT REPORT

2023-2024

DATE: 4th MARCH 2024

PLACE: Incubation centre,

Tagore Medical College and Hospital

Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
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FIELD VISIT REPORT

S.No	INCUBATION CENTRE VISIT	PARTICIPANT DETAILS
1.	**CRRI students**	FIRST YEAR UG
2.	**FACULTY**	Dr.T.M.Balaji, Adjunct Professor of Research, Dr.S.Shivani, Research Co-ordinator
3.	**DATE AND TIME**	04/3/2024 ,MONDAY at 10 30 am
4.	**VENUE**	Incubation Centre Tagore Medical College and Hospital.

Dr. C.J. V... TA...SHIVAN, M.D.S., Ph.D.,
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RESEARCH COMMITTEE – FIELD VISIT

Ref No.:IRC/TDC&H/FV/2023-2024/5 Date: 24/02/24

The research committee of Tagore Dental College and Hospital is organizing a field visit to the Incubation centre of Tagore Medical College and Hospital.

Date & Time:04/03/2024,MONDAY at 10 30 am

PRINCIPAL

Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
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OFFICE ORDER NO/14/2024 **Date: 05.02.2024**

From
The Principal
Tagore Dental College & Hospital
Rathinamangalam
Chennai- 600127

To
The Dean
Tagore Medical College & Hospital
Rathinamangalam
Chennai- 600127

Respected Sir

As a part of the Research Committee activities of Tagore Dental College & Hospital, we planned to conduct field visit for students from Ist Year BDS to CRRI and Ist Year Post Graduates to the animal House and Incubation centre of Tagore Medical College & Hospital. The Following schedule has been planned in this regard.

Date & Time	Field visit Venue	Year
23.02.2024, 10.00AM	Animal House	CRRI
23.02.2024, 10.30AM	Incubation Centre	CRRI
26.02.2024, 10.00 AM	Animal House	Ist Year PG
26.02.2024, 10.30 AM	Incubation Centre	Ist Year PG
04.03.2024, 10.30 AM	Incubation Centre	Ist Year BDS
07.03.2024, 10.30 AM	Incubation Centre	2nd Year BDS
11.03.2024, 10.30 AM	Incubation Centre	3rd Year BDS
14.03.2024, 10.30 AM	Incubation Centre	4th Year BDS

I request your permission to support us to complete the above mentioned field visit

Thanking You

DEAN
TAGORE MEDICAL COLLEGE & HOSPITAL
RATHINAMANGALAM, MELAKOTTAIYUR POST,
Chennai-600 127.

PRINCIPAL
Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
PRINCIPAL
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam,Vandalur Post,

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Research committee of Tagore Dental College and Hospital organized a field visit for the 1st year BDS students to Incubation Centre Facility, Tagore Medical College and Hospital, Rathinamangalam on March 4th,2024.The visit aimed to provide students with practical insights into research activities.

Upon arrival, we were warmly welcomed by the incubation centre incharge.He introduced us to the activities of the centre.

The Incubation centre houses basic and advanced research equipment pertaining to biomedical research and molecular biology. The state-of-the-art centre houses facilities to conduct PCR analysis, ELISA and gel documentation.

The basic facilities available include deep freezer, ELISA reader, sensitive analytical balance and many others.

The centre is also equipped with bioinformatics in silico study facilities such as docking and simulation studies which can be performed under the able guidance of Dr.I.Kannan.

The students were also explained about research entrepreneurship.We sincerely thank our esteemed Chairperson, Prof. Dr. M. Mala ma'am and our respected Principal, Dr. C.J. Venkatakrishnan sir for their guidance and support.

Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
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FIELD VISIT PICS





Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
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ATTENDANCE SHEET

ATTENDANCE SHEET – Ist Year

S NO	NAME OF THE STU
1	AARTHI S
2	ABINAYA A
3	ABISHEIK S
4	AGALYA K
5	AJAY C
6	AMIRTHA VARSHINI R
7	ANDREWS STEPHEN A M
8	ASHIKA S
9	ASIMA FARVEEN S
10	ATCHAYA D
11	ATHEEQ SHAMSUDEE
12	BHARATHVAJ R M
13	BHAVANI S
14	BLESSIE A
15	CHITRALEKHA C
16	CLEMENT MOSES R
17	DANIYA HAMRA V
18	DANY PENCE V
19	DEEPAK SARAN K S
20	DEVADHARSHINI D
21	DHARSHINI D
22	DIVYA DHARSHINI R
23	ENIYA B
24	GAYATHRI P
25	GOKULA RAMANAN M
26	GOKULRAJ R
27	HARINI D
28	HARINI R
29	HARINI S
30	HEMAPRIYA R
31	HERAM N
32	INDUJA A
33	JACINTH GIFTY F
34	JANANI J
35	JANARTHANAN R
36	JERLIN WINCIA E
37	JERSLIN V F
38	JESINTHA J
39	JOSEPH ANCHANI JOS
40	KABILAN J
41	KALAIARASU I
42	KAMALI M
43	KANIMOZHI M
44	KAVI S
45	KAVIYA P
46	KAVYA SHREE S
47	KEERTHANA G
48	LAXSINA GUNA G
49	LIGNESH M P
50	MAGESWARI S
51	MANEESHA SHREA V
52	MIDHUN PRIYADHARS
53	MONIKA M
54	MONISH KUMAR S
55	NANDIDA A
56	NEELAPRIYA G
57	NEELASH A
58	NETHRA J N
59	NIKELAN J
60	NIVETHA A
61	PAVITHRA DEVI K
62	POOJA S
63	POONGULALI G S
64	PRANAV SANKAR B B
65	PRASANTH M
66	PRAVIN M
67	PRESHEELA J
68	RAATHIKA P
69	RAJESHWARI S
70	REENA SRI SAI RAGAV
71	REHANA FATHIMA Z
72	ROOBINI S
73	SAFIYA FATHIMA K
74	SANJEEVITHA K
75	SHAFANA MARIYAM S
76	SHALINI G
77	SHERIN BEULAH M
78	SHINY JOSHNA B
79	SHONA K
80	SHREE NARGIS G
81	SHRIDARSHINI S
82	SHRUTHI PRIYA S
83	SHYAM KISHORE P V
84	SONESHWAR S B
85	SRIHARI M
86	SRIHARINI P
87	SRINIDHI R
88	SRIVARSAN M
89	SUGANYA M
90	SUHAIMA SIDDIQUA F
91	SUJITHA H
92	SWATHI S
93	TRISHA F A
94	TRISHA PAMMI JAYASANKAR J
95	UKESHWARAN E

Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
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TAGORE DENTAL COLLEGE AND HOSPITAL

RESEARCH COMMITTEE

FIELD VISIT REPORT

2023-2024

DATE: 26 February 2024

PLACE : Incubation centre,

Tagore Medical College and Hospital

Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
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FIELD VISIT REPORT

S.No	ANIMAL HOUSE VISIT	PARTICIPANT DETAILS
1.	CRRI students	1st YEAR POSTGRADUATES
2.	FACULTY	Dr.T.M.Balaji, Adjunct Professor of Research, Dr.S.Shivani, Research Co-ordinator
3.	DATE AND TIME	26/2/2024 ,MONDAY at 10 30 am
4.	VENUE	Incubation Centre Tagore Medical College and Hospital.

Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
PRINCIPAL
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RESEARCH COMMITTEE – FIELD VISIT

Ref No.:IRC/TDC&H/FV/2023-2024/4Date: 14/02/2024

The research committee of Tagore Dental College and Hospital is organizing a field visit to the Incubation centre of Tagore Medical College and Hospital.

Date & Time:26/2/2024 ,MONDAY at 10 30 am

PRINCIPAL

Dr. C.J. VELMURUGAN M.D.S., Ph.D.,
PRINCIPAL
TAGORE DENTAL COLLEGE & HOSPITAL
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OFFICE ORDER NO/14/2024 **Date: 05.02.2024**

From
The Principal
Tagore Dental College & Hospital
Rathinamangalam
Chennai- 600127

To
The Dean
Tagore Medical College & Hospital
Rathinamangalam
Chennai- 600127

Respected Sir

As a part of the Research Committee activities of Tagore Dental College & Hospital, we planned to conduct field visit for students from Ist Year BDS to CRRI and Ist Year Post Graduates to the animal House and Incubation centre of Tagore Medical College & Hospital. The Following schedule has been planned in this regard.

Date & Time	Field visit Venue	Year
23.02.2024, 10.00AM	Animal House	CRRI
23.02.2024, 10.30AM	Incubation Centre	CRRI
26.02.2024, 10.00 AM	Animal House	Ist Year PG
26.02.2024, 10.30 AM	Incubation Centre	Ist Year PG
04.03.2024, 10.30 AM	Incubation Centre	Ist Year BDS
07.03.2024, 10.30 AM	Incubation Centre	2nd Year BDS
11.03.2024, 10.30 AM	Incubation Centre	3rd Year BDS
14.03.2024, 10.30 AM	Incubation Centre	4th Year BDS

I request your permission to support us to complete the above mentioned field visit

Thanking You

DEAN
TAGORE MEDICAL COLLEGE & HOSPITAL
RATHINAMANGALAM, MELAKOTTAIYUR POST,
Chennai-600 127.

PRINCIPAL
Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
PRINCIPAL
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Rathinamangalam, Vandalur Post,

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The Research committee of Tagore Dental College and Hospital organized a field visit for the FIRST YEAR PG students to Incubation Centre Facility, Tagore Medical College and Hospital, Rathinamangalam on 26 th February,2024.The visit aimed to provide students with practical insights into research activities.

Upon arrival, we were warmly welcomed by the incubation centre incharge . He introduced us to the activities of the centre.

The Incubation centre houses basic and advanced research equipment pertaining to biomedical research and molecular biology. The state of the art centre houses facilties to conduct PCR analysis, ELISA and gel documentation.

The basic facilities available include deep freezer, ELISA reader, sensitive analytical balance and many others.

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The students were also explained about research entrepreneurship . We sincerely thank our esteemed Chairperson, Prof. Dr. M. Mala ma'am and our respected Principal, Dr. C.J. Venkatakrishnan sir for their guidance and support.

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FIELD VISIT PICS





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ATTENDANCE SHEET

ATTENDANCE SHEET -I Year PG

S NO	NAME OF THE STUDENTS
1	HARSHINI S A
2	NISHAALI M M
3	MARSHALKENNEDY K J
4	SRI JEYA SOORIYAA V S
5	ATHIRA K
6	RAJAMADEVI D
7	VARUN PRASAD R
8	ANNIE SHIRLY PRIYANKA G
9	NITHYA J
10	RAHUL GEORGE MATHEW

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TAGORE DENTAL COLLEGE AND HOSPITAL

RESEARCH COMMITTEE

FIELD VISIT REPORT

2023-2024

DATE: 23 February 2024

PLACE : Incubation centre,

Tagore Medical College and Hospital

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FIELD VISIT REPORT

S.No	INCUBATION CENTER VISIT	PARTICIPANT DETAILS
1.	CRRI students	CRRI BATCH
2.	FACULTY	Dr.T.M.Balaji, Adjunct Professor of Research, Dr.S.Shivani, Research Co-ordinator
3.	DATE AND TIME	23/2/2024 ,FRIDAY at 10 30 am
4.	VENUE	Incubation Centre Tagore Medical College and Hospital.

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RESEARCH COMMITTEE – FIELD VISIT

Ref No.:IRC/TDC&H/FV/2023-2024/2 Date: 13/02/2024

The research committee of Tagore Dental College and Hospital is organizing a field visit to the Incubation centre of Tagore Medical College and Hospital.

Date & Time:23/2/2024 ,FRIDAY at 10 30 am

PRINCIPAL

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OFFICE ORDER NO/14/2024 **Date: 05.02.2024**

From
The Principal
Tagore Dental College & Hospital
Rathinamangalam
Chennai- 600127

To
The Dean
Tagore Medical College & Hospital
Rathinamangalam
Chennai- 600127

Respected Sir

As a part of the Research Committee activities of Tagore Dental College & Hospital, we planned to conduct field visit for students from Ist Year BDS to CRRI and Ist Year Post Graduates to the animal House and Incubation centre of Tagore Medical College & Hospital. The Following schedule has been planned in this regard.

Date & Time	Field visit Venue	Year
23.02.2024, 10.00AM	Animal House	CRRI
23.02.2024, 10.30AM	Incubation Centre	CRRI
26.02.2024, 10.00 AM	Animal House	Ist Year PG
26.02.2024, 10.30 AM	Incubation Centre	Ist Year PG
04.03.2024, 10.30 AM	Incubation Centre	Ist Year BDS
07.03.2024, 10.30 AM	Incubation Centre	2nd Year BDS
11.03.2024, 10.30 AM	Incubation Centre	3rd Year BDS
14.03.2024, 10.30 AM	Incubation Centre	4th Year BDS

I request your permission to support us to complete the above mentioned field visit

Thanking You

DEAN
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Research committee of Tagore Dental College and Hospital organized a field visit for the CRRI students to Incubation Centre Facility,Tagore Medical College and Hospital, Rathinamangalam on 23 rd February,2024.The visit aimed to provide students with practical insights into research activities.

Upon arrival, we were warmly welcomed by the incubation centre incharge. He introduced us to the activities of the centre.The Incubation centre houses basic and advanced research equipment pertaining to biomedical research and molecular biology. The state of the art centre houses facilties to conduct PCR analysis, ELISA and gel documentation.

The basic facilities available include deep freezer, ELISA reader, sensitive analytical balance and many others.

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FIELD VISIT PICS





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ATTENDANCE SHEET

ATTENDANCE SHEET-CRRI

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2	ABITHA K
3	AISHWARYA LAKSHMI M
4	AISHWARYA RAVI R
5	AJITHA R
6	AKILASH R
7	AKSHAYA KITTU SENTHIL KUMAR
8	AMARA DEEPIKA I
9	AMIRTHA R
10	ANUSHYA R
11	ARCHANA SRIRAMULU B
12	AROKIA ALICE TRISHY P
13	ARUMATHI M
14	ARAVIND S NAGALINGAM
15	BARATHRAI B
16	BHAARGAV ANAND A
17	BHAVITHRA A
18	CELCIA SEKAR L
19	CHANDHINI M
20	CHARULATHA M
21	CHARULATHA R D
22	CYNTHIYA B
23	DEVAGANESH S
24	DHANASEKARAN D
25	DHANISH KUMAR K
26	DINESH I
27	DIVYA D
28	HEMAVATHY M
29	HINDUMATHI V
30	JAGADEESH N
31	KRISHNA MOORTHI R
32	LAVANYA V
33	LEENA M
34	LINCY SERRINA C
35	MOGANA PREYA T
36	MOHAMED AFRITH S
37	MOHAMED ILYAS A
38	MOHAMED SHAHID AZEEM K
39	MOHIDEEN HAIRUN SUMAIYA A
40	MURALIDHARAN K
41	NATCHATHRA R
42	NAVEEN PAUL SINGH S
43	NIRMAL KUMAR R
44	NIRUPAMA R
45	NISHA D
46	NIVETHA M
47	PRAGADEESHWARAN T
48	PRISCILLA NAKKA N
49	RAM KUMAR S
50	RITHISH KUMAR S
51	ROHITH KUMAR M
52	RUBAAHAR S
53	SABREEN FASEEHA AMEER HAMZA A
54	SAJIDA SELVAM RAFI R
55	SHREYA V
56	SHRINITHI K
57	SIVAPRASAATH S
58	SNEHA M
59	SNEHA R
60	SNEHA S
61	SRISHTIKA MOHANA GANESH MURTHY M
62	SUCHITHRA A
63	SUJA S
64	SUNDARAKANNAN E
65	SUSHMITHA S
66	SWARNAMALIKA S
67	SWATHI M
68	SWETHA T
69	SYED ALITHAF S
70	TAMIL SELVI R
71	THAMARAI G
72	THARANYA S A
73	UMAMAHESWARI D
74	VARSHA S
75	VASUNDHARA T
76	VEDANTHAN K S
77	VIDHYA M
78	YAMUNA R
79	YUVAN SAI M P

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