



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.

DEPARTMENT OF PROSTHODONTICS

List of Educational videos:

1. Rebasing waxup-<https://youtu.be/gJruC0KKtII>
2. Rebasing trimming-<https://youtu.be/m0CGmjmhUWw>
3. Facebow transfer-<https://youtu.be/IDEOI2KztHo>

DEPARTMENT OF ORAL MEDICINE AND RADIOLOGY

List of Educational videos:

1. IOPA Radiographic Technique <https://youtu.be/qrV0hkiIGjU>
2. Examination Of Oral Cavity <https://youtu.be/AkXxDxzcADA>
3. Examination Of TMJ https://youtu.be/zqP_-4tIt90
4. Examination Of LYMPH NODES <https://youtu.be/ijSGnblYcuU>
5. Case History Taking <https://youtu.be/DfIPzgJZvCc>
6. Examination Of Swelling https://youtu.be/gFQc2_2B_kQ
7. Types Of Swellings <https://youtu.be/thUNa2n6Woo>
8. OPG Procedure Demo <https://youtu.be/bs2rtBQg5tQ>
9. How To Arrive at a Diagnosis? - Pulpal Diseases <https://youtu.be/GKeVCUr8aYU>
10. How To Arrive at a Diagnosis? - Dental Abscess <https://youtu.be/m-t6ZXn4dy4>
11. How To Arrive at a Diagnosis? White Lesions https://youtu.be/3rY_Akkdxas
12. Principle Of Interpretation Of Radiographs <https://youtu.be/qVVxjzJNaoM>
13. Processing Of X-Ray Film <https://youtu.be/76uibdbGb6k>
14. Scrubbing Technique <https://youtu.be/-6nf40nyRg4>

Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
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DEPARTMENT OF ORTHODONTICS

List of Educational videos:

1. Tamilawarenessvideo-<https://www.youtube.com/watch?v=WM1qF2JPoVU>
2. Extractiontreatment-<https://www.youtube.com/watch?v=eVwZPD6yvrM>
3. Orthodontics&life-<https://www.youtube.com/watch?v=EzJQpG0AtNw>
4. Canineimpaction-<https://www.youtube.com/watch?v=v5O2PV1LVVw>
5. Alignersawareness-https://www.youtube.com/watch?v=RBeh_ehLQC0
6. Adamswithhelix-<https://www.youtube.com/watch?v=yDPjzQAXS0c>
7. Triangularclasp-<https://www.youtube.com/watch?v=kgusmUX30OE>
8. Coffin'sSpring-<https://www.youtube.com/watch?v=08sINDYY2eM>
9. Robert'sretractor-<https://www.youtube.com/watch?v=nZyhpW5oPg0>
10. Longlabialbow-<https://www.youtube.com/watch?v=psDVVtgQogI>
11. SplitlabialBow-<https://www.youtube.com/watch?v=vptQkHSskj4>
12. CClasp-<https://www.youtube.com/watch?v=uJx9QPAZWZs>
13. Palatalcanineretractor-https://www.youtube.com/watch?v=OYAqH_05JIU
14. Buccalcanineretractor-<https://www.youtube.com/watch?v=ATle5t2ACG8>
15. Begg'sRetainer- <https://www.youtube.com/watch?v=BsMFjYRHdZM>
16. Jackson'sClasp-<https://www.youtube.com/watch?v=tDip4aufrzw>
17. ShortLabialBow-https://www.youtube.com/watch?v=_h6PIuqboV0
18. ULoopCanineRetractor-<https://www.youtube.com/watch?v=CI-BJK-FLPQ>
19. ReverseLoopCanineRetractor-<https://www.youtube.com/watch?v=dPTuH76YM1I>

[Signature]
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DEPARTMENT OF PERIODONTICS

List of Educational videos:

1. Periodontal Instruments-<https://youtu.be/bENf0kNRh9o>
2. Periodontal Instrumentation-<https://youtu.be/qHOvRdRPx6U>
3. Simple Interrupted Suture-<https://youtu.be/DoflwGagsmI>
4. Figure of 8 Suture-<https://youtu.be/KahqqHe0Uh0>
5. Continuous Suture-<https://youtu.be/F2mbCqvy5Vg>
6. Periodontal Pack-https://youtu.be/p0gO7o_HYWQ
7. Splinting-<https://youtu.be/jDLjL8b6fEE>
8. Charters Toothbrushing Technique-<https://youtu.be/Sz2EVrrM1es>
9. Modified Stillman Toothbrushing Technique-https://youtu.be/YDkyxF_jzLM
10. Modified Bass Toothbrushing Technique-<https://youtu.be/D8dVrcCOTso>
11. Use of Interdental Brush-<https://youtu.be/2uRX8c60WUg>
12. Flossing-<https://youtu.be/gOuMm3wGVZ4>
13. Assessment of Mobility-<https://youtu.be/WwySKNjCCXk>
14. Assessment of Gingival Stippling-https://youtu.be/-4_m5nUXe18
15. Fremitus Test-<https://youtu.be/kuL-EWoDTGw>
16. Periodontal Probing-<https://youtu.be/0oJs4gSL1Rs>
17. Waste disposal-<https://www.youtube.com/watch?v=bimbY6C8MM4>
18. Handwashing-<https://www.youtube.com/watch?v=euFxSKkCkRU>
19. Sterilization protocol-<https://www.youtube.com/watch?v=TQA1ebUjYEA>
20. Assessment of gingival consistency-<https://www.youtube.com/shorts/KTvSpugmhHU>
21. Assessment of bleeding on probing-<https://www.youtube.com/shorts/fSjwz2lrrM>

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DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY

List of Educational videos:

1. Supraperiosteal 0injection.-https://youtu.be/o-gEVp_zwqA.
2. Intraseptal-<https://youtu.be/Oe4kXjtKgP0>
3. Intrapulpal-<https://youtu.be/G6FnTfP804c>
4. Periodontalinjection-https://youtu.be/cF3_3tVPY34
5. Incisivenerveblock-<https://youtu.be/xmasBO6Gl0M>
6. Greaterpalatinenerveblock-<https://youtu.be/NWIM-fhri0E>
7. Nasopalatinenerveblock-<https://youtu.be/wFMpM4dJ74k>
8. MiddleSuperiorAlveolarnerveblock- <https://youtu.be/ZE99uM4W-7A>
9. PosteriorSuperiorAlveolarnerveblock-<https://youtu.be/Sk9wm95JtW8>
10. MentalnerveBlock- <https://youtu.be/jxPTnMvNYY8>
11. InferiorAlveolarNerveblock- <https://youtu.be/p0E5Yzlh2XY>
12. GowGatestechnique.- <https://youtu.be/qxSCzIVu-Rs>
13. VaziraniAkinositechnique- https://youtu.be/HOdZ9_ycMQ

Dr. C.J. Venkata Krishnan
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LIST OF EDUCATIONAL VIDEOS PREPARED AND USED BY TEACHERS FOR STUDENTS

DEPARTMENT OF PEDIATRIC & PREVENTIVE DENTISTRY

List of Educational videos:

1. PIT and FISSURE SEALANT Application-<https://youtu.be/EgVrLIFxLP4>
2. Space Maintainer Fabrication-<https://youtu.be/H95kZ-luRM4>
3. Clinical Tips for Tooth Identification- <https://youtu.be/5axiprwIDLw>
4. Stainless Steel Crown Tooth Preparation-<https://youtu.be/6kwTj3u3Q0U>
5. Behaviour Management Techniques-<https://youtu.be/enwiSxplwA4>

DEPARTMENT OF CONSERVATIVE DENTISTRY AND ENDODONTICS

List of Educational videos:

1. Access opening in maxillary central incisor-<https://youtu.be/4qy5RWFYBII>
2. Zinc phosphate base manipulation-<https://youtu.be/hy8jv10pFBM>
3. Manipulation of zinc polycarboxylate base-<https://youtu.be/cuDPOQgvmh5A>
4. GIC type-2 manipulation video-<https://youtu.be/NeFid8keypE>
5. Manipulation of amalgam-<https://youtu.be/UgcUSndem6I>
6. Access Opening In Maxillary Central Incisor-<https://www.youtube.com/watch?v=x4SndupEIWc>
7. Standardization Of Endodontic Instruments-https://www.youtube.com/watch?v=kc2i3U_UYjA
8. ClassII Inlay cavity preparation-<https://www.youtube.com/watch?v=YA44iGSFRDQ>
9. Indirect wax pattern fabrication-<https://www.youtube.com/watch?v=qs-GXG27J-U>
10. Zinc phosphate manipulation-base & luting-video-<https://www.youtube.com/watch?v=hy8jv10pFBM>
11. RubberDam Isolation For Posterior Composite Restoration-<https://www.youtube.com/watch?v=uZGb36FcB98>
12. Rubberdam isolation in 11-<https://www.youtube.com/watch?v=a0kj0h5V46w>
13. Shade selection for composites-<https://www.youtube.com/watch?v=bfTrYpcIZCU>
14. Class V Restoration With GIC- <https://www.youtube.com/watch?v=LH0NU3dHAFM>
15. Tofflemire Matrix Band Setup And Placement-https://www.youtube.com/watch?v=07Qxe3CA_qs
16. Saddle sectional matrix system-FILAYDENT-<https://www.youtube.com/watch?v=jMUj2aeOejA>
17. PalodentV3 sectional matrix system-DENTSPLY-<https://www.youtube.com/watch?v=ygfiQDyVzy0>
18. Class III GIC restoration-<https://www.youtube.com/watch?v=oN4-rqIVd0I>
19. Manipulation of zinc oxide eugenol cement-https://www.youtube.com/watch?v=Y5j-nBK_0_g
20. Rubberdam isolation for anterior composite restoration-<https://www.youtube.com/watch?v=Qca7gzLkk7>



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DEPARTMENT OF PUBLIC HEALTH DENTISTRY

List of Educational videos:

1. CPITN Probe-<https://youtu.be/cntKW8mQXg8>
2. DMFT DMFS Index-<https://youtu.be/Up5QgxcR6CI>
3. MODIFIED BASS Technique-https://youtu.be/OQOo_ZtkkeY
4. 5A's-<https://youtu.be/EUPYKzwLmIA>
5. 5R's-<https://youtu.be/vFIiNy8h6k>
6. Lymph Node Examination-<https://youtu.be/hHYI06TMMJo>
7. Examination of TMJ -<https://youtu.be/FV3-cdmIlfM>
8. OHIS Index-<https://youtu.be/7Haw5uJVFUY>
9. WHO Probe-<https://youtu.be/2nLwbYD0bL4>


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SNO	Name Of the Teacher	Name Of the Module	Platform On Which Module Is Used	Date Of Launching E- Content	Link To the Relevant Document
1.	Dr. Shobana.C.S	Effectivewriting	SWAYAM (NPTELAICTE)	2021	https://onlinecourses.nptel.ac.in/noc21SEM1/noc21-hs44
2.	Dr.Priyadashini.R	Enhancing softskills and personality	SWAYAM (NPTEL)	2021	https://onlinecourses.nptel.ac.in/noc21_hs02/preview
3.	Dr. Shobana.C.S	Oral biology	SWAYAM (NPTELAICTE)	2022	https://onlinecourses.nptel.ac.in/noc22_gel6/preview
4.	Dr Sarath sarathy	Oral biology	SWAYAM (NPTELAICTE)	2022	https://onlinecourses.nptel.ac.in/noc22_gel6/preview
5.	Dr Sarath sarathy	Introduction to Systematic Reviews for Dental Health Professionals	SWAYAM (ICMR)	2022	https://onlinecourses.nptel.ac.in/aic21_gel26/preview
6.	Dr. Shobana.C.S	Introduction to Systematic Reviews for Dental Health Professionals	SWAYAM (ICMR)	2022	https://onlinecourses.nptel.ac.in/aic21_gel26/preview
7.	Dr Sarath sarathy	Management of medical emergencies in dental practice	SWAYAM (NPTEL)	2022	https://onlinecourses.nptel.ac.in/noc22_gel09/preview
8.	Dr. Bhuvaneswari.B	Management of medical emergencies in	SWAYAM (NPTEL)	2022	https://onlinecourses.nptel.ac.in/noc22_gel09/preview

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		dental practice			
9.	Dr. Jimson.S	Management of medical emergencies in dental Practice	SWAYAM (NPTEL)	2022	https://onlinecourses.nptel.ac.in/noc22_ge09/preview
10.	Dr.Parvathi.S	Management of medical emergencies in dental Practice	SWAYAM (NPTEL)	2022	https://onlinecourses.nptel.ac.in/noc22_ge09/preview
11.	Dr. karthika shankar	Basic course in biomedical Research	SWAYAM (NPTEL AICTE)	2023	https://onlinecourses.nptel.ac.in/noc23_hs93/preview
12.	Dr. Juala catherine	Oral Biology	SWAYAM (NPTEL- AICTE)	2023	https://onlinecourses.nptel.ac.in/noc22_ge16/preview
13.	Dr.Aarthy	AI-Assited scientific writing and publications	Webex -SGRTI	2023	https://rajesh-191.my.webex.com/rajesh-191.my/j.php?MTID=m7e5817f4144014992655_b6594d7a5294
14.	Dr.Pallavi ammu thomas	Basic course in Biomedical Research	SWAYAM-ICMR-NIE	2024	Basic Course in Biomedical Research - Course (nptel.ac.in)
15.	Dr. Soudarya SP	Basic course in Biomedical research	SWAYAM-ICMR-NIE	2024	Basic Course in Biomedical Research - Course (nptel.ac.in)
16.	Dr.Pallavi ammu thomas	Sytematic review and meta analysis	MOOC	2024	https://www.facebook.com/share/p/DrbTjE1K_DjnnowaK/?mibextid=oFDknk
17.	Dr. Abirami	Scientific writing in health research	SWAYAM - ICMR-NIE	2024	Scientific writing (nie.gov.in)
18.	Dr. Abirami	Introdution to Systematic	SWAYAM-ICMR-NIE	2024	https://nie.gov.in/icmr_sph/Dental-health-professionals.html



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		Reviews for Dental Health Professionals			
19.	Dr.Aarthy	"Research Methodology and Thesis Writing Strategies	MOOC	2024	https://rajesh-191.my.webex.com/rajesh191.my/j.php?MTID=mc3e2fe33a97262312507e78dfc4ce9ef
20	Dr.Aarthy	"Statistical Analysis and Data Interpretation Methods using SPSS	Webex - SGRTI	2024	https://rajesh-191.my.webex.com/rajesh-191.my/j.php?MTID=mc4ae3983e5ddfe1d5ad53bc833231008
21	Dr.Aarthy	The Art of Academic Writing: Techniques for Successful Publication	Webex - SGRTI	2024	https://rajesh-191.my.webex.com/rajesh-191.my/j.php?MTID=mce8c2cd6e75ec06bb5b642fbc6c73c65
22	Dr.Aarthy	Advanced AI Tools for Academic Research	Webex - SGRTI	2024	https://meet.google.com/cxk-bwdz-bdx
23	Dr.Aarthy	Good clinical practice	NDAT-CTN Training	2024	https://gcp.nidatraining.org/
24	All Staff	DRSR-JAPAR	Java and JSP Technologies And Backend Mysql Database	From 2017	http://122.15.75.235:8080/JAPAR/
25.	All Staff	Department wise	You Tube	From 2020	https://www.youtube.com/watch?



CERTIFICATE OF COMPLETION

This certificate is awarded to

SARATH SARATHY

for successfully completing the online course,

"Introduction to Systematic Reviews for Dental Health Professionals"

Feb-Apr, 2022

with a score of 80%

Dr. Rizwan S. A.
Course Coordinator
Scientist - D, ICMR-NIE

Dr. Manoj V Murhekar
Director
ICMR-NIE



Dr. Bhavani Shankara B
Scientist - E
ICMR-NIE

Roll No: NleCer104_2924

To validate: <http://nptel.ac.in/noc>

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CERTIFICATE OF COMPLETION

This certificate is awarded to

SHOBANA C S

for successfully completing the online course,

"Introduction to Systematic Reviews for Dental Health Professionals"

Feb-Apr, 2022

with a score of 80%

Dr. Rizwan S. A.
Course Coordinator
Scientist - D, ICMR-NIE

Dr. Manoj V Murhekar
Director
ICMR-NIE

Dr. Bhavani Shankara B
Scientist - E
ICMR-NIE

Roll No: NieCer104_5368



To validate: <http://nptel.ac.in/noc>



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to
JUALA CATHERINE
for successfully completing the course

Oral Biology

with a consolidated score of **92** %

Online Assignments	21.67/25	Proctored Exam	70.5/75
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Total number of candidates certified in this course: **132**

Devendra Jalihal

Prof. Devendra Jalihal

Chairperson,

Centre for Outreach and Digital Education, IITM

Jan-Mar 2023

(8 week course)

Prof. Andrew Thangaraj

Prof. Andrew Thangaraj

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL23GE11S44344368

To validate the certificate



No. of credits recommended: 2 or 3

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Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
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NPTEL-AICTE Faculty Development Programme

(Funded by the MoE, Govt. of India)



This certificate is awarded to

JUALA CATHERINE

for successfully completing the course

Oral Biology

with a consolidated score of **92 %**

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras



(Jan-Mar 2023)

Roll No: NPTEL23GE11S44344368

Duration of NPTEL course : 8 Weeks

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams.
This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 24th July 2018, similar to other refresher / orientation courses.
F.No. AICTE / RIFD / FDP through MOOCs / 2017-18

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Dr. S. Jimson
Vice Principal,
Prof & Head,
Oral & Maxillofacial Surgery,
Tagore Dental College & Hospital,
Chennai



Dr. Kannan Balaraman
Senior Consultant
Faciomaxillary Surgeon
Ganga Hospital,
Coimbatore



Dr. G. Rajasekar
Principal
Prof & Head
Oral & Maxillofacial Surgery
Mamata Dental College,
Hyderabad



Dr. P. Suresh Kumar
Consultant
Faciomaxillary Surgeon
The Face Clinic,
Chennai



Dr. Eapen Thomas
Professor & PG Guide
Dept. of OMFS, Pushpagiri
College of Dental Sciences,
Thiruvalla, Kerala



Dr. Dinesh Kumar Verma
Medical Superintendent,
Professor and Head,
Dept. of Dentistry,
AIIMS Bilaspur, Himachal Pradesh



Dr. Charu S. Girotra
Professor & PG Guide
Oral and Maxillofacial Surgery,
D Y Patil University
School of Dentistry,
Navi Mumbai



Dr. Santhosh Rao
Oral Maxillofacial Surgeon
Additional Professor,
Department of Dentistry,
All India Institute of Medical Sciences,
Raipur

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Management of Medical Emergencies | Instructor details.jpg - Google D | +

← → ↻ https://onlinecourses.nptel.ac.in/noc22_ge09/preview

Gmail YouTube Maps ear

swayam About Swayam | All Courses | **SIGN-IN / REGISTER**

Course layout

Week 1: Vasovagal syncope, Postural Hypotension, Hyperventilation
Week 2: Asthma- Status Asthmaticus
Week 3: Chest Pain of Cardiac Origin- Myocardial infarction, Angina Pectoris
Week 4: Acute Adrenal Insufficiency, Diabetic Mellitus, Thyroid Gland Dysfunction
Week 5: Allergies/ Hypersensitivity Reactions
Week 6: Epilepsy- Status Epilepticus
Week 7: Chronic Kidney Disease, Hepatic Dysfunction
Week 8: Basic Life Support

Instructor bio

[Click here to see Instructor details](#)

Course certificate

The course is free to enroll and learn from. But if you want a certificate, you have to register and write the proctored exam conducted by us in person at any of the designated exam centres.
 The exam is optional for a fee of Rs 1000/- (Rupees one thousand only).
 Date and Time of Exams: **23 April 2022** Morning session 9am to 12 noon; Afternoon Session 2pm to 5pm.
 Registration url: Announcements will be made when the registration form is open for registrations.
 The online registration form has to be filled and the certification exam fee needs to be paid. More details will be available when the exam registration form is published. If there are any changes, it will be mentioned then.
 Please check the form for more details on the cities where the exams will be held, the conditions you agree to when you fill the form etc.

CRITERIA TO GET A CERTIFICATE

Average assignment score = 25% of average of best 6 assignments out of the total 8 assignments given in the course.
 Exam score = 75% of the proctored certification exam score out of 100.
 Final score = Average assignment score + Exam score

YOU WILL BE ELIGIBLE FOR A CERTIFICATE ONLY IF AVERAGE ASSIGNMENT SCORE $\geq 10/25$ AND EXAM SCORE $\geq 30/75$. If one of the 2 criteria is not met, you will not get the certificate even if the Final score $\geq 40/100$.

Certificate will have your name, photograph and the score in the final exam with the breakup. It will have the logos of NPTEL and IIT Madras. It will be e-verifiable at nptel.ac.in/noc.

Only the e-certificate will be made available. Hard copies will not be dispatched.

Once again, thanks for your interest in our online courses and certification. Happy learning.

- NPTEL team

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

Tagore dental college and Hospital organized Course - Swayam (NPTEL Platform) : Management of medical emergencies in Dental practice

The screenshot shows the NPTEL course page for 'Management of Medical Emergencies in Dental Practice'. The page is titled 'Management of Medical Emergencies in Dental Practice' and is by Multi Faculty, Tagore Dental College & Hospital, Chennai - 600127. It shows 2275 learners enrolled. The course status is 'Completed', course type is 'Core', duration is '8 weeks', start date is '21 Feb 2022', end date is '15 Apr 2022', exam date is '23 Apr 2022 IST', enrollment ends on '21 Feb 2022', category is 'Dental', and credit points are '2'. The page also includes a video player for the 'Introduction Video - Management of Medical Emergencies in Dental Practice' and a summary section with social media links.

Management of Medical Emergencies in Dental Practice
By Multi Faculty | Tagore Dental College & Hospital, Chennai - 600127
Learners enrolled: 2275

Summary

Course Status :	Completed
Course Type :	Core
Duration :	8 weeks
Start Date :	21 Feb 2022
End Date :	15 Apr 2022
Exam Date :	23 Apr 2022 IST
Enrollment Ends :	21 Feb 2022
Category :	Dental
Credit Points :	2

INTENDED AUDIENCE: Undergraduate students, Postgraduate trainees in dental surgery & dental practitioners

PRE-REQUISITE: Professionals belonging to dentistry

INDUSTRY SUPPORT: This course will be valuable for any dental practitioner since management of medical emergencies is a vital skill.

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Rathinamangalam, Vandalur Post,
Melakottaiyur, Chennai-600 127

This certificate is computer generated and can be verified by scanning the QR code given below.

Roll No: NPTEL22GE09S24532625

To
B BHUVANESWARI
OLD NO 70 NEW NO 1 HIG II 4TH CROSS ST
3RD MAIN RD, NOLAMBUR, MOGAPPAIR WEST
CHENNAI
TAMIL NADU - 600037
PH. NO :9789912002



Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:2

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



Elite NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

B BHUVANESWARI

for successfully completing the course

Management of Medical Emergencies in Dental Practice

with a consolidated score of **70** %

Online Assignments	21.67/25	Proctored Exam	48/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **188**

Devendra Jalihal

Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM

Feb-Apr 2022
(8 week course)

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras



Indian Institute of Technology Madras



Roll No:NPTEL22GE09S24532625

To validate and check scores: <https://npTEL.ac.in/noc>

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

This certificate is computer generated and can be verified by scanning the QR code given below.

Roll No: NPTEL22GE09S24535938

To
PARVATHI S
NO.9/4, FIRST FLOOR,
37TH STREET EXTENSION, NANGANALLUR,
CHENNAI
TAMILNADU - 600061
PH. NO :9941466958



Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:2

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



Elite NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

PARVATHI S

for successfully completing the course

Management of Medical Emergencies in Dental Practice

with a consolidated score of **79** %

Online Assignments	22.08/25	Proctored Exam	57/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **188**

Devendra Jalihal

Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM

Feb-Apr 2022
(8 week course)

Prof. Andrew Thangaraj
NPTEL, Coordinator
IIT Madras



Indian Institute of Technology Madras



Roll No:NPTEL22GE09S24535938

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PRINCIPAL
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Rathinamangalam, Vandalur Post,
Melakottaiyur, Chennai 600 127

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Roll No: NPTEL22GE16S43316078

To
SHOBANA C S
NO 4, 6TH AVENUE, RAMAKRISHNA NAGAR
PORUR
CHENNAI
TAMILNADU - 600116
PH. NO :9884194454



Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:2

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



TOPPER

Elite NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to
SHOBANA C S
for successfully completing the course

Oral Biology

with a consolidated score of **97** %

Online Assignments	23.25/25	Proctored Exam	73.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **24**

Devendra Jalihal

Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM

Jan-Mar 2022
(8 week course)

Prof. Andrew Thangaraj
NPTEL, Coordinator
IIT Madras



Indian Institute of Technology Madras



Roll No:NPTEL22GE16S43316078

To validate and check scores: <https://npTEL.ac.in/noc>

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

Roll No:NPTEL22GE16S43316078

TO SHOBANA C S
NO 4, 6TH AVENUE, RAMAKRISHNA NAGAR
PORUR
CHENNAI
TAMILNADU - 600116
PH. NO :9884194454



Duration of NPTEL course: 8 Weeks

No. of weeks of NPTEL Courses	Equivalence of NPTEL course with regular FDP
4	$\frac{1}{2}$ FDP of one week
8	Full FDP of one week
12	$1\frac{1}{2}$ FDP



NPTEL-AICTE Faculty Development Programme

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to


SHOBANA C S

for successfully completing the course


Oral Biology

with a consolidated score of **97 %**




Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

(Jan-Mar 2022)


Prof. Dileep N. Malkhede
Advisor-I (Research, Institute & Faculty Development)
All India Council for Technical Education

Roll No: NPTEL22GE16S43316078

To validate and check scores: <http://npTEL.ac.in/noc>

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams.
This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 24th July 2018, similar to other refresher / orientation courses.
F.No. AICTE / RIFD / FDP through MOOCs / 2017-18


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

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Roll No: NPTEL22GE09S24533240

To
S SARATH SARATHY
NEW NO. 36, O.V.M STREET
CHEPAUK
CHENNAI
TAMILNADU - 600005
PH. NO :6380941283



Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:2

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



Elite NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to
S SARATH SARATHY
for successfully completing the course

Management of Medical Emergencies in Dental Practice

with a consolidated score of **65** %

Online Assignments	19.17/25	Proctored Exam	46.13/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **188**

Devendra Jalihal

Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM

Feb-Apr 2022
(8 week course)

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras



Indian Institute of Technology Madras



Roll No:NPTEL22GE09S24533240

To validate and check scores: <https://npTEL.ac.in/noc>

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

Roll No:NPTEL22GE16S43300651

To S SARATH SARATHY
NEW NO. 36, O.V.M STREET
CHEPAUK
CHENNAI
TAMILNADU - 600005
PH. NO :6380941283



Duration of NPTEL course: 8 Weeks

No. of weeks of NPTEL Courses	Equivalence of NPTEL course with regular FDP
4	$\frac{1}{2}$ FDP of one week
8	Full FDP of one week
12	$1\frac{1}{2}$ FDP



NPTEL-AICTE Faculty Development Programme

(Funded by the Ministry of HRD, Govt. of India)




This certificate is awarded to

S SARATH SARATHY


for successfully completing the course

Oral Biology

with a consolidated score of **90 %**


Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

(Jan-Mar 2022)


Prof. Dileep N. Malkhede
Advisor-I (Research, Institute & Faculty Development)
All India Council for Technical Education

Roll No: NPTEL22GE16S43300651

To validate and check scores: <http://npTEL.ac.in/noc>

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams.
This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 24th July 2018, similar to other refresher / orientation courses.
F.No. AICTE / RIFD / FDP through MOOCs / 2017-18

This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, <https://nptel.ac.in/noc/>

Roll No: NPTEL21HS02S13350358

To
DR PRIYADARSHNI RANGARAJAN
19, NARAYANASWAMY STREET,
THANDAVAMOORTHY NAGAR, VALASARAWAKKAM
CHENNAI
TAMILNADU - 600087
PH. NO : 9444843950



Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL: 2

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to

DR PRIYADARSHNI RANGARAJAN

for successfully completing the course

Enhancing Soft Skills and Personality

with a consolidated score of **83** %

Online Assignments	21.92/25	Proctored Exam	61.24/75
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Total number of candidates certified in this course: **7339**

Prof. Rajesh M. Hegde
Chairman, Centre for Continuing Education
IIT Kanpur

Feb-Apr 2021
(8 week course)

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur



Indian Institute of Technology Kanpur



Roll No: NPTEL21HS02S13350358

To validate and check scores: <https://nptel.ac.in/noc/>

Dr. C.J. VENKATA KRISHNAN, M.D.S., Ph.D.,
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LESSON PLAN THAT INCLUDES TEACHING STUDENTS USING ICT-ENABLED CLASSROOMS USE TECHNOLOGY TO ENHANCE THE LEARNING EXPERIENCE FOR STUDENTS AND TEACHERS THAT INCLUDE:

Interactive whiteboards

- Allow teachers to interact with digital content and make lectures more engaging

Audio-visual equipment

- Large screens, projectors, and audio systems help ensure that teachers' voices are clear and that multimedia content is displayed effectively

High-speed internet access

- Allows students and teachers to access online resources, databases, e-books, and research articles

Computers and laptops

- Students and teachers can use computers or laptops for online research, educational software, and interactive learning activities


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DEPARTMENT OF ORAL MEDICINE AND RADIOLOGY

LESSON PLAN

Title of the Lesson:

Introduction to Oral Medicine.

Objectives:

1. Introduction about the concepts and importance of Oral Medicine.
2. Outline about various Oral Diseases, Diagnosis and Management.

Time / Duration: 1 hr

Key points to be covered:

1. Definition of oral Medicine.
2. Systemic diseases related to Oral Medicine.
3. Diagnostic techniques.
4. Therapeutic planning.

PLANNING:

TIME	SUB TOPIC	ACTIVITY
5 mins	Definition	Lecture and Discussion Using Power point presentations
20 mins	Various systemic diseases with oral manifestations	
15 mins	Basic diagnostic techniques used in investigating oral diseases.	
20 mins	Formulation of a treatment plan	

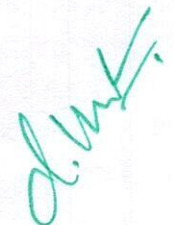
Recap Points:

1. Oral medicine.
2. Role of an Oral medicine specialist in diagnosing systemic diseases.
3. Importance of formulating a treatment plan.

LESSON PLAN

Title of the Lesson:

Case history discussion.


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Melakottaiyur, Chennai-600 127

Objectives:

1. Case history format of patient
2. Importance of demographic & personal data.

Time / Duration: 1 hr**Key points to be covered:**

1. Case history format.
2. Demographic data.
3. Personal history.
4. General, systemic and local examination
5. When and where to advise for investigations.
6. Therapeutic planning.

PLANNING:

TIME	SUB TOPIC	ACTIVITY
5 mins	Demographic data	Power-Point Presentation based Lecture and Discussion.
10 mins	Chief complaint and history of the illness	
10 mins	Personal history	
15 mins	General, systemic and local examination.	
10 mins	Diagnosis, Differential diagnosis & investigations.	
10 mins	Treatment plan	

Recap Points:

1. Patient information.
2. Importance of chief complaint and history of the presenting illness.

LESSON PLAN**Title of the Lesson:**

Examination of a Swelling, Ulcer, Growth, Sinus/Fistula and Mucosal lesions.

Objectives:

1. Systematic examination

Time / Duration: 2 hrs

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

Key points to be covered:

1. Examination format.
2. Differential Diagnosis.

PLANNING:

TIME	SUB TOPIC	ACTIVITY
15 mins	Definitions.	i) PowerPoint Lecture and Discussion. ii) Demonstration of examination procedure.
1 hr	Orofacial examination by inspection, palpation and other means of various oral lesions.	
30 mins	Differential diagnosis of various types of oral lesions.	
15 mins	Provisional & final diagnosis	

Recap Points:

1. Definitions of swelling, ulcer, sinus/fistula, growth and mucosal lesions.
2. Inspection and palpation.

LESSON PLAN**Title of the Lesson:**

Cervicofacial lymphadenopathy

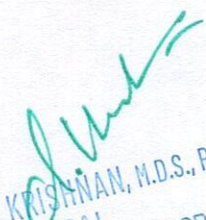
Objectives:

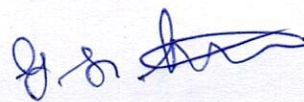
1. Lymphatic system
2. Examination of an enlarged lymph node

Time / Duration: 1 hr

Key points to be covered:

1. Anatomy of cervical lymph nodes.
2. Classification of cervical lymph nodes.
3. Examination of lymph nodes.
4. Differential Diagnosis of cervical lymphadenopathy.


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

PLANNING:

TIME	SUB TOPIC	ACTIVITY
10 mins	Structure of lymph nodes	i) PowerPoint Lecture and Discussion. ii) Demonstration of examination procedure.
10 mins	Anatomy of cervical lymph nodes	
10 mins	Classification	
15 mins	Lymph node examination	
15 mins	Diagnosis	

Recap Points:

1. Lymph nodes.
2. Classification.
3. Seven points to be noted during lymph node examination.

LESSON PLAN**Title of the Lesson:**

Laboratory Investigations in Oral Medicine

Objectives:

1. Importance of various diagnostic & investigatory procedures carried out.

Time / Duration: 2 hrs**Key points to be covered:**

1. Definition.
2. Diagnostic samples.
3. Laboratory investigatory procedures and indications.

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

PLANNING:

TIME	SUB TOPIC	ACTIVITY
10 mins	Definition.	PowerPoint Lecture and Discussion.
30 mins	Importance and uses of diagnostic samples.	
20 mins	Investigatory procedures: Haematology	
15 mins	Blood, Urine and Saliva chemistry.	

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

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

15 mins	Biopsy.	
10 mins	Exfoliative cytology.	
10 mins	Intra vital staining.	
10 mins	Immunofluorescence.	

Recap Points:

1. Biopsy.
2. Exfoliative cytology.
3. Toluidine blue staining.

LESSON PLAN

Title of the Lesson:

Developmental disorders of the oral cavity.

Objectives:

1. Classification and causes of occurrence of developmental disorders.

Time / Duration: 3 hrs

Key points to be covered:

1. Classification.
2. Diagnosis.
3. Differential diagnosis.

PLANNING:

TIME	SUB TOPIC	ACTIVITY
15 mins	Classification	i. PowerPoint Lecture and Discussion. ii. Picture quiz using Projector and Smartboards to identify
15 mins	Developmental disturbances of jaws.	
15 mins	Developmental disturbances of lips.	
15 mins	Developmental disturbances of oral mucosa.	
15 mins	Developmental disturbances of gingiva.	
30 mins	Developmental disturbances of tongue.	
15 mins	Developmental disturbances of salivary glands.	

d.unt
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PRINCIPAL
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Melkottaiyur, Chennai-600 127

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Dept. of Oral Medicine & Radiology
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RATHINAMANGALAM, MELAKOTTAIYUR (P.O.),
CHENNAI-600 127

50 mins	Developmental disturbances of teeth.	various developmental disorders
10 mins	Fissural cysts.	

Recap Points:

1. Classification.
2. Median rhomboid glossitis.
3. Amelogenesis imperfecta.
4. Enamel hypoplasia

LESSON PLAN

Title of the Lesson:

Dental caries and its Sequelae.

Objectives:

1. Definition, causes and factors associated with dental caries & its Sequelae.

Time / Duration: 1 hr 30 minutes

Key points to be covered:

1. Definition.
2. Causes.
3. Theories.
4. Sequelae of dental caries and its diagnosis.

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

PLANNING:

TIME	SUB TOPIC	ACTIVITY
10 mins	Definition	i) PowerPoint Lecture and Discussion. ii) Videos showing the progress of dental caries.
15 mins	Causes and factors associated with dental caries.	
15 mins	Theories related to dental caries.	
10 mins	Pulpitis	
10 mins	Apical Periodontitis	
15 mins	Periapical abscess, granuloma & cyst	
15 mins	Osteomyelitis	

Recap Points:

1. Definition.

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

2. Pulpitis.
3. Sequelae of dental caries
4. Osteomyelitis.

LESSON PLAN

Title of the Lesson:

Spread of oral infections.

Objectives:

1. Discussion about various facial spaces & infections.

Time / Duration: 1 hr

Key points to be covered:

1. Definition.
2. Anatomy of facial spaces.
3. Cellulitis.
4. Ludwig's angina.
5. Spread of infection.

PLANNING:

TIME	SUB TOPIC	ACTIVITY
10 mins	Definition.	i) PowerPoint Lecture and Discussion. ii) Demonstration of examination of facial spaces using videos
15 mins	Cellulitis and its management.	
10 mins	Ludwig's angina	
15 mins	Anatomy and boundaries of facial spaces.	
10 mins	Spread of infection through facial spaces	

Recap Points:

1. Cellulitis.
2. Ludwig's angina.

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

Dr. G.S. Asokan

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

LESSON PLAN

Title of the Lesson:

Periodontal diseases

Objectives:

1. Classification of gingival & periodontal diseases.
2. Causes, features and management of gingival diseases and Periodontitis.

Time / Duration: 1 hr 30 minutes.

Key points to be covered:

1. Healthy periodontium.
2. Classification.
3. Acute necrotising ulcerative gingivitis (ANUG).
4. Gingival enlargement.
5. Desquamative gingivitis.
6. Periodontitis.

PLANNING:

TIME	SUB TOPIC	ACTIVITY
10 mins	Healthy periodontium.	Power-Point Lecture and Discussion.
10 mins	Classification of periodontal diseases.	
20 mins	Gingivitis and ANUG	
10 mins	Desquamative gingivitis.	
15 mins	Gingival enlargement.	
15 mins	Periodontitis.	
10 mins	Halitosis.	

Recap Points:

1. ANUG
2. Gingival enlargement

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

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

LESSON PLAN

Title of the Lesson:

Diseases of bone.

Objectives:

1. Classification of diseases of bone; causes, clinical and radiographic features of the various bone diseases.

Time / Duration: 1 hr 30 mins.

Key points to be covered:

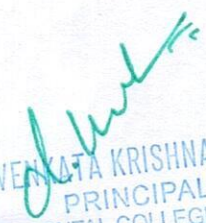
1. Definitions.
2. Classification.
3. Classic features for each bone disease, both clinical and radiographic.

PLANNING:

TIME	SUB TOPIC	ACTIVITY
10 mins	Definition.	i) Lecture and Discussion. ii) Picture quiz at the end of the class with radiographs of various bone disorders.
10 mins	Classification.	
10 mins	Osteogenesis imperfecta.	
10 mins	Marfan's syndrome.	
10 mins	Osteopetrosis	
10 mins	Cherubism	
10 mins	Mandibulofacial dysostosis.	
10 mins	Pierre – Robin syndrome	
10 mins	Cleidocranial dysplasia	
10 mins	Infantile cortical hyperostosis	

Recap Points:

1. Definitions.
2. Cherubism
3. Osteopetrosis.
4. Cleidocranial dysplasia


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LESSON PLAN

Title of the Lesson:

Fibro – osseous lesions.

Objectives:

1. Definition and classification of fibro-osseous lesions.
2. Causes, clinical and radiographic features of various fibro-osseous lesions.

Time / Duration: 1 hr

Key points to be covered:

1. Definition.
2. Classification.
3. Characteristic features of all fibro-osseous lesions, both clinical and radiographic.

PLANNING:

TIME	SUB TOPIC	ACTIVITY
5 mins	Definition	1. Power-Point Lecture and Discussion. 2. Picture quiz using Smart boards and projector with radiographs.
5 mins	Classification.	
15 mins	Fibrous dysplasia.	
15 mins	Paget's disease.	
10 mins	Periapical cemental dysplasia. Cemento-ossifying fibroma.	
10 mins	Focal cement-osseous dysplasia. Florid cement-osseous dysplasia.	

Recap Points:

1. Definition.
2. Fibrous dysplasia.
3. Paget's disease.

LESSON PLAN

Title of the Lesson:

Metabolic disorders.

Objectives:

1. Requirements, functions and deficiency diseases associated with various minerals and vitamins.
2. Features associated with disturbances in Carbohydrate, Protein and Lipid metabolism.

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Time / Duration: 2 hr 30 mins.

Key points to be covered:

1. Introduction about metabolism.
2. Salient features regarding deficiency states of each vitamin and mineral.

PLANNING:

TIME	SUB TOPIC	ACTIVITY
10 mins	What is metabolism?	Power-Point Lecture and Discussion using videos and pictorial representations using smartboards and projectors
30 mins	Minerals: Their functions & deficiency diseases.	
30 mins	Vitamins: Their functions & deficiency diseases.	
10 mins	Disturbances in carbohydrate metabolism.	
10 mins	Disturbances in lipid metabolism.	
10 mins	Disturbances in protein metabolism.	

Recap Points:

1. Pathologic calcification.
2. Iron deficiency.
3. Fluorosis.
4. Scurvy.
5. Hypophosphatasia.

LESSON PLAN

Title of the Lesson:

Endocrine disorders.

Objectives:

1. Hormones and their importance.
2. Diseases associated with hormonal excess and deficiency of various hormones.

Time / Duration: 1 hr 30 mins + 1 hr (Diabetes and dental management)

Key points to be covered:

1. Hormones and their regulatory mechanisms.
2. Disorders related with an increase and decrease of each hormone.
3. Oral manifestations of endocrine disorders.

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PLANNING:

TIME	SUB TOPIC	ACTIVITY
10 mins	Hormone and its importance.	Power-Point Lecture and Discussion using videos and pictorial representations using smartboards and projectors
10 mins	Feedback regulatory systems.	
15 mins	Pituitary gland disorders.	
15 mins	Adrenal gland disorders.	
20 mins	Thyroid gland disorders.	
20 mins	Parathyroid gland disorders.	

Diabetes mellitus

TIME	SUB TOPIC	ACTIVITY
15 mins	Insulin hormone and its function.	Power-Point Lecture and Discussion using videos and pictorial representations using smartboards and projectors
15 mins	Clinical features, Diagnosis and management of diabetes mellitus.	
30 mins	Oral manifestations of diabetes mellitus.	

Recap Points:

1. Hyperpituitarism.
2. Osteitis fibrosa cystica.
3. Oral manifestations of diabetes mellitus.

LESSON PLAN**Title of the Lesson:**

Temporo mandibular joint and diseases affecting TMJ.

Objectives:

1. Anatomy and physiology of TMJ.
2. Classification, Causes, clinical & radiographic features and management of various TMJ disorders.

Time / Duration: 2 hrs

Key points to be covered:

1. Functional anatomy – articular disc, temporomandibular ligaments & muscles of mastication.
2. Physical examination of TMJ

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3. Classification of TMJ disorders.
4. Diagnostic features & management of each TMJ disorder.

PLANNING:

TIME	SUB TOPIC	ACTIVITY
15 mins	Anatomy of TMJ	Power-Point Lecture and Discussion using videos and pictorial representations using smartboards and projectors
15 mins	Physiology of TMJ	
20 mins	Examination of TMJ and associated structures.	
15 mins	Classification of TMJ disorders.	
15 mins	TMJ arthritis	
15 mins	Internal derangement	
15 mins	Myofacial pain dysfunction syndrome.	
15 mins	Other TMJ disorders	

Recap Points:

1. Articular disc.
2. Masticatory muscle examination.
3. MPDS.

LESSON PLAN

Title of the Lesson:

Cysts of the orofacial region.

Objectives:

1. Definition and classification of the cysts of the jaws.
2. Diagnostic features, Investigations and management of cysts.

Time / Duration: 1 hr 30 mins

Key points to be covered:

1. Definition of cysts.
2. Pathogenesis of cyst – Phase of initiation, cyst formation and cyst enlargement.
3. Classification.
4. Differentiating features of each cyst.
5. Investigations & Management.

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PLANNING:

TIME	SUB TOPIC	ACTIVITY
5 mins	Definition of a cyst.	i) PowerPoint Lecture and Discussion. ii) Picture quiz using Smart-board and projectors
15 mins	Parts, types and pathogenesis of a cyst.	
5 mins	Classification of cysts.	
40 mins	Clinical and radiographic features of Epithelial cysts on a comparative basis.	
15 mins	Clinical and radiographic features of Non-epithelial cysts.	
10 mins	Investigations for cysts.	
10 mins	Management of cysts.	

Recap Points:

1. Definition and parts of cyst.
2. Dentigerous cyst.
3. OKC.
4. Difference between enucleation and marsupialisation.

LESSON PLAN

Title of the Lesson:

Odontogenic tumours.

Objectives:

1. Classification, clinical features, histologic, radiographic features and management of odontogenic tumours.

Time / Duration: 1 hr

Key points to be covered:

1. Pathogenesis & classification of tumours..
2. Ameloblastoma.
3. Calcifying epithelial odontogenic tumour.
4. Odontoma.
5. Odontogenic myxoma.

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PLANNING:

TIME	SUB TOPIC	ACTIVITY
10 mins	Pathogenesis of odontogenic tumour.	Power-Point Lecture and Discussion using videos and pictorial representations using smartboards and projectors
5 mins	Classification.	
10 mins	Ameloblastoma.	
10 mins	CEOT	
15 mins	Odontoma, Odontogenic myxoma.	
10 mins	Malignant odontogenic tumours.	

Recap Points:

1. Ameloblastoma.
2. CEOT.
3. Odontome.

LESSON PLAN**Title of the Lesson:**

Benign tumours of the orofacial region.

Objectives:

1. Definition and classification, etiology and characteristic features of various benign tumours.

Time / Duration: 1 hr

Key points to be covered:

1. Classification of benign tumours.
2. Characteristic features of each tumour.

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PLANNING:

TIME	SUB TOPIC	ACTIVITY
5 mins	Definition	Power-Point Lecture and Discussion using videos and pictorial representations using smartboards and projectors
10 mins	Classification of benign tumours.	
30 mins	Salient features of benign soft tissue tumours	
15 mins	Salient features of benign tumours of bone	

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Recap Points:

1. Definition.
2. Importance of identifying benign tumours.
3. Pyogenic granuloma.
4. Hemangioma.

LESSON PLAN**Title of the Lesson:**

Malignant tumours of the orofacial region.

Objectives:

1. Definition and classification, etiology and characteristic features of various malignant tumours.

Time / Duration: 2 hrs

Key points to be covered:

1. Classification of malignant tumours.
2. Characteristic features of each tumour.

PLANNING:

TIME	SUB TOPIC	ACTIVITY
10 mins	Definition	Power-Point Lecture and Discussion using videos and pictorial representations using smartboards and projectors
15 mins	Classification of malignant tumours.	
15 mins	Salient features of malignant tumours of epithelial origin.	
15 mins	Salient features of malignant tumours of connective tissue origin.	

Recap Points:

1. Definition.
2. Malignant melanoma.
3. Osteosarcoma.

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LESSON PLAN

Title of the Lesson:

Bacterial infections of oral cavity.

Objectives:

1. Cause, clinical features, investigations and management of various bacterial infections.

Time / Duration: 1 hr 30 mins

Key points to be covered:

1. Characteristic oral manifestations of various bacterial infections.
2. Investigations for each bacterial infection.

PLANNING:

TIME	SUB TOPIC	ACTIVITY
5 mins	List of bacterial infections affecting oral cavity.	i) Power-Point Lecture and Discussion. ii) Objective type questions
15 mins	Tuberculosis.	
15 mins	Leprosy.	
15 mins	Syphilis.	
15 mins	Actinomycosis.	
15 mins	Scarlet fever & Diphtheria.	

Recap Points:

1. Tuberculous ulcer.
2. Oral manifestations of syphilis.
3. Actinomycosis

LESSON PLAN

Title of the Lesson:

Viral infections of oral cavity.

Objectives:

1. Cause, clinical features, investigations and management of various viral infections.

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Time / Duration: 1 hr 30 mins

Key points to be covered:

1. Characteristic oral manifestations of various viral infections.
2. Investigations for each viral infection.

PLANNING:

TIME	SUB TOPIC	ACTIVITY
30 mins	Herpes simplex	i) PowerPoint Lecture and Discussion. ii) Objective type questions.
15 mins	Herpes zoster	
10 mins	Herpangina	
10 mins	Molluscum contagiosum	
10 mins	Mumps	
15 mins	Infectious mononucleosis	

Recap Points:

1. Primary & recurrent herpes simplex infections.
2. Characteristic features of herpes zoster.
3. Important investigations for viral infections.

LESSON PLAN

Title of the Lesson:

Fungal infections of oral cavity.

Objectives:

1. Cause, clinical features, investigations and management of various fungal infections:

Time / Duration: 1 hr

Key points to be covered:

1. Characteristic oral manifestations of various fungal infections.
2. Investigations for fungal infections.

PLANNING:

TIME	SUB TOPIC	ACTIVITY
30 mins	Candidiasis.	i) PowerPoint Lecture and Discussion.
10 mins	Mucormycosis.	

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10 mins	Blastomycosis.	ii) Objective type questions.
10 mins	Histoplasmosis.	

Recap Points:

1. Classification of candidiasis.
2. Investigations and Management of candidiasis.

LESSON PLAN

Title of the Lesson:

White lesions of the oral cavity.

Objectives:

1. Classification of white lesions of the oral cavity.
2. Causes, clinical features, differential diagnosis, and management of various white lesions.

Time / Duration: 2 hrs 30 mins.

Key points to be covered:

1. Reason for whitish appearance.
2. Characteristic features of each white lesion.

PLANNING:

TIME	SUB TOPIC	ACTIVITY
10 mins	Reason for whitish appearance of a white lesion.	i) Power-Point Lecture and discussion. ii) Picture quiz using Smart-Board and Projectors
20 mins	Classification of white lesions	
20 mins	Leukoplakia	
20 mins	Lichen planus / Lichenoid reactions.	
20 mins	Oral submucous fibrosis.	
20 mins	Candidiasis.	
40 mins	Other white lesions - White Sponge Nevus, Lupus erythematosus, White hairy tongue, Tobacco pouch keratosis, Burns.	

Recap Points:

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1. Cause for the whitish appearance of a white lesion.
2. Leukoplakia.
3. Lichen planus.

LESSON PLAN

Title of the Lesson:

Red lesions of the oral cavity.

Objectives:

1. Clinical features, differential diagnosis and management of the following red lesions.

Time / Duration: 1 hr 30 mins

Key points to be covered:


1. Management of atrophic candidiasis.
2. Difference between erythroplakia and other red lesions.
3. Angular cheilitis.

PLANNING:

TIME	SUB TOPIC	ACTIVITY
5 mins	Causes for reddish appearance	i) Power-Point Lecture and discussion. ii) Picture quiz using Smart-Board and Projectors
10 mins	Red lesions of the oral cavity	
15 mins	Atrophic candidiasis	
15 mins	Angular cheilitis	
15 mins	Median rhomboid glossitis	
15 mins	Erythroplakia	
15 mins	Denture stomatitis	

Recap Points:

1. Causes for reddish appearance of a red lesion.
2. Erythroplakia.
3. Denture stomatitis.


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LESSON PLAN

Title of the Lesson:

Pigmented lesions of the oral cavity.

Objectives:

1. Classification of pigmented lesions of the oral cavity.
2. Physiologic and pathologic pigmentation of oral mucosa. Causes, clinical features and management of various pigmented lesions.

Time / Duration: 1 hr 30 mins.

Key points to be covered:

1. Classification.
2. Nevi.
3. Malignant melanoma.
4. Exogenous pigmentation.

PLANNING:

TIME	SUB TOPIC	ACTIVITY
10 mins	Classification of pigmented lesions of the oral cavity	i) Power-Point Lecture and discussion. ii) Picture quiz using Smart-Board and Projectors
10 mins	Benign melanocytic origin.	
10 mins	Benign hematologic / vascular origin.	
15 mins	Malignant melanocytic origin.	
15 mins	Malignant hematologic origin.	
20 mins	Exogenous pigmentation.	
10 mins	Pigmentation due to systemic disorders.	

Recap Points:

1. Endogenous and exogenous pigmentations.
2. Malignant melanoma.
3. Nevi

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LESSON PLAN

Title of the Lesson:

Vesiculo – bullous lesions of the oral cavity.

Objectives:

1. Classification of vesiculo-bullous lesions of oral cavity.
2. Etiopathogenesis, clinical features, investigations, differential diagnosis and management of the various vesiculo-bullous lesions.

Time / Duration: 2 hrs

Key points to be covered:


1. Definition of vesicle and bulla.
2. Differentiation of each vesiculo- bullous lesion.

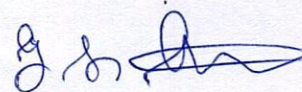
PLANNING:

TIME	SUB TOPIC	ACTIVITY
5 mins	Definition of vesicle and bulla.	i) Power-Point Lecture and discussion.
10 mins	Classification of vesiculo-bullous lesions.	
20 mins	Acute herpetic gingivostomatitis	
15 mins	Herpes zoster.	
30 mins	Pemphigus.	
20 mins	Pemphigoid.	
10 mins	Epidermolysis bullosa.	
10 mins	Linear IgA disease.	

Recap Points:

1. Vesicle and bulla.
2. Pemphigus.
3. Pemphigoid.
4. Herpes zoster.


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LESSON PLAN

Title of the Lesson:

Ulcerative lesions of the oral cavity.

Objectives:

1. Classification of ulcerative lesions of the oral cavity.
2. Etiopathogenesis, clinical features, investigations and management of various ulcerative lesions.

Time / Duration: 1 hr 30 mins

Key points to be covered:

1. Definition of ulcers.
2. Clinical features of each disease.
3. Differential diagnosis.

PLANNING:

TIME	SUB TOPIC	ACTIVITY
5 mins	Definition of ulcer.	i) Power-Point Lecture and discussion.
10 mins	Classification of ulcerative lesions.	
40 mins	Acute Multiple Ulcers.	
15 mins	Recurring Ulcers.	
20 mins	Single ulcers.	

Recap Points:

1. Aphthous ulcer types.
2. Characteristic features of erythema multiforme.
3. Pathergy test.


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LESSON PLAN

Title of the Lesson:

Physical injuries of the oral cavity.

Objectives:

1. Causes and features of the physical injuries to the oral cavity:

Time / Duration: 1 hr

Key points to be covered:

1. Classification of injuries to the oral cavity.
2. Characteristic features of each physical injury.

PLANNING:

TIME	SUB TOPIC	ACTIVITY
10 mins	Classification	i) Power-Point Lecture and discussion.
10 mins	Effects of tooth preparation and restorative materials.	
20 mins	Physical injuries to soft tissues.	
20 mins	Physical injuries to hard tissues.	

Recap Points:

1. Bruxism.
2. Elli's classification of tooth fracture.
3. Traumatic ulcer types.
4. Denture stomatitis - stages.

LESSON PLAN

Title of the Lesson:

Chemical injuries of the oral cavity.

Objectives:

1. Causes and features of the following chemical injuries to the oral cavity.

Time / Duration: 1 hr

Key points to be covered:

1. Aspirin burn.
2. Bisphosphonate induced osteonecrosis.

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3. Drug induced reactions.
4. Occupational hazards.

PLANNING:

TIME	SUB TOPIC	ACTIVITY
20 mins	Nonallergic reaction to drugs and chemicals used locally	i) Power-Point Lecture and discussion.
20 mins	Nonallergic reaction to drugs and chemicals used systemically.	
20 mins	Occupational hazards.	

Recap Points:

1. Burns due to locally applied chemicals.
2. Drugs causing injuries to oral mucosa

LESSON PLAN

Title of the Lesson:

Oro-facial pain.

Objectives:

1. Definition of pain and pain pathway.
2. Classification of orofacial pain disorders.
3. Causes, clinical features and management of various facial neuralgias.

Time / Duration: 1 hr 30 mins

Key points to be covered:

1. Pain.
2. Gate control theory.
3. Classification.
4. Characteristic features of various facial neuralgias.

PLANNING:

TIME	SUB TOPIC	ACTIVITY
15 mins	Definition of pain and pain pathway	
10 mins	Theories of pain.	

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