

# **TAGORE DENTAL COLLEGE & HOSPITAL**



## **POST ENDODONTIC RESTORATION**

**RESOURCE FACULTY:** DR. SUBASH SHARMA S

**TARGET AUDIENCE:** FINAL YEAR, CRRI'S AND PG'S OF TDC

**VENUE:** GOOGLE MEET- <https://meet.google.com/uym-aidr-buk>

**TIME :** 11:30 AM to 12:30 PM



## TAGORE DENTAL COLLEGE & HOSPITAL

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**Dr. S. Balagopal**, M.D.S., M.Sc., F.C.I.P., FPFA, FIMSA.,  
Vice Principal, Professor & HOD  
Endodontist & Dental Surgeon

To

Date: 27-03-2021

Dr. Subash Sharma S  
Reader and Head,  
Department of Esthetics,  
Saveetha Dental College.

Dear Dr. Subash Sharma S,

We would like to invite you for delivering an Online Guest lecture on the topic "**Post Endodontic Restoration**" on **10-04-2021** at **11:30 AM** for the final year students, CRRI's and Pg's of Tagore Dental College and Hospital.

Thanking You

Regards,

Dr. S. Balagopal

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No.24, 92nd Street, 18th Avenue,  
Ashok Nagar, Chennai -600 083.  
Ph : 044-2474 6068  
E-mail : drsbalagopal@dataone.in

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No.51, 1st Main Road,  
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Chennai - 600 087.  
Ph : 044-6547 7283

30/03/2021  
CHENNAI

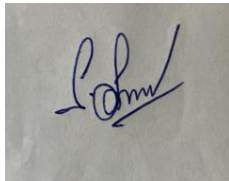
Dr. Subash Sharma  
Reader,  
Saveetha Dental College,  
Saveetha University  
SIMATS,  
Chennai.

Dear Sir/Mam

Greetings Sir/Mam ! I received your invitation to be the **guest speaker** for your UG and PG students on 10/04/2021 and I write this **letter** in response. First, let me thank you for inviting me as a speaker for Tagore Dental College. I am delighted and honoured at being chosen to share the knowledge with your students and faculty members .I am pleased to accept your invitation .

Topic – Post Endodontic Restoration  
Date – 10/04/2021  
Type of Presentation – Webinar

With Regards  
Dr S Subash Sharma





# TAGORE DENTAL COLLEGE AND HOSPITAL



DENTAL EDUCATION UNIT AND CURRICULUM COMMITTEE

DEPARTMENT OF CONSERVATIVE DENTISTRY AND ENDODONTICS

INVITES YOU FOR AN ONLINE GUEST LECTURE ON

## “POST ENDODONTIC RESTORATION”

DATE : 10-04-2021

TIME : 11:30 AM



<https://meet.google.com/uvm-aidr-buk>



PROF.M.MALA, MA., M.PHIL  
CHAIRPERSON



PROF. DR. CHITRAA R. CHANDRAN  
PRINCIPAL



PROF. DR. S BALAGOPAL  
VICE PRINCIPAL  
CHAIRMAN, DEU

### SPEAKER



Dr. SUBASH SHARMA,  
MDS

**Dr Subash Sharma S**, earned his Bachelor Of Dental Surgery (BDS) degree in SRM University (2009) and advanced his education by doing Master Of Dental Surgery at Saveetha University (2013). Currently he is working as a Head of the Department (Esthetics) in Saveetha University, and he is also serving as a Chief consultant Endodontist at Parasu Dental Hospital Pvt Ltd . He has done more than 15 publications in all national and international journals. He remains active in seminars , continuing dental education programmes, study clubs and by attending various national and international conferences to keep up with the latest advancements in dentistry.He is most passionate towards teaching and he has also received best teacher's award twice from the Saveetha University. He is also expertise in diagnosing and offering best aesthetic procedures, root canal treatments, laser therapy, post and core buildups ,endodontic surgeries and every aspect of dentistry with utmost patient care .

For Further details and queries please contact:

Dr. VANDANA JAMES (Reader)

9840648846

Email : [dentaedu@tagoredch.in](mailto:dentaedu@tagoredch.in)

**TAGORE DENTAL COLLEGE & HOSPITAL**  
**DENTAL EDUCATION UNIT & CURRICULUM COMMITTEE**

**Minutes of meeting**

**LT REF NO: DEU-CC/CDE/2021/51**

**10.04.2021**

Meeting of the Dental Education Unit & Curriculum Committee

**POST ENDODONTIC ONLINE GUEST LECTURE BY Dr. SUBASH SHARMA S**

Dr Subash Sharma MDS has completed his under graduation from SRM University and post graduation from Saveetha Dental College & Hospitals in 2009 & 2013 respectively. Sir is an associate Professor Department of Aesthetic Dentistry. He has received The Young Achiever Award from the “Association of conservative Dentistry and Endodontics”. He is a lifetime member of Indian Association of conservative dentistry and endodontics (IACDE) and Indian dental association. Currently he has more than 25 publications in Indexed Journals out of which 10 publications in pubmed indexed journals. He is Conducting various lectures, courses and workshops on Post and Core System, Dentsply Certified in Intensive Dental Photography, he is Passionate towards Aesthetic Port Folios and Photography.

The Guest lecture started at 11:30 AM, all the staffs and students gathered in final year google meet classroom. Sir explained about the importance of post endodontic restoration. He mentioned about importance of ferrule and crown after endodontic treatment. He gave an elaborate lecture about the material aspect of post endodontic restorative materials. He also explained about how to manage the endodontically treated tooth. He emphasized that if

lateral compaction is done then post space preparation can be done on the same day. The students were benefitted by the online lecture. The lecture was concluded by 12:30 PM.

Dr. S. Balagopal, Vice Principal, Professor and Head Conservative Dentistry and Endodontics, concluded the program and thanked Dr. Subash Sharma for accepting the proposal for delivery the online guest lecture. Dr. Subash Sharma was presented with a certificate of appreciation on behalf of Dental Education Unit of Tagore Dental College.

The screenshot shows a Google Meet interface. The main content is a presentation slide with the following text:

### Rationale why Fiber posts are better than Metal posts

Further, it was found that ETT restored with metal posts were extracted more often due to endodontic failure. The elastic modulus mismatch between roots and metal posts led to a stress concentration at the bonding interface between the post and the luting material,<sup>41</sup> which therefore resulted in microgaps and could increase bacterial colonization as well as risk for apical periodontitis.<sup>22</sup> An in-vitro study reported that glass fiber posts and resin-supported polyethylene fiber posts exhibited less microleakage compared with stainless steel posts and zirconia posts.<sup>42</sup> With no access to root canal retreatment, teeth restored with a cast post-and-core restoration but with a periapical lesion present are very likely to be extracted.<sup>43</sup>

Three studies reported survival rates of anterior and posterior teeth, but only two studies were included in anterior tooth analysis, because, in the study by Sarkis-Onofre et al,<sup>21</sup> no failure

**Naumann & Sorensen**

QUINTESSENCE INTERNATIONAL | volume 50 • number 1 •

The meeting interface includes a top bar with 'Subash Sharma is presenting', a participant list on the right with names like Shreeyan Nayar, Vasanthan RM, SUMAIYA FATHIMA T..., Tagore Dental, Kiruthika S, Nithyashri, Logesh ramalingam, and Navapriya Shankarr, and a bottom control bar with icons for 'Meeting details', 'Raise hand', 'Turn on captions', and 'Subash Sharma is presenting'.

meet.google.com

Subash Sharma is presenting

Keerthi Pattabira... and 83 more

12:10 PM

## Rationale why Fiber posts are better than Metal posts

Further, it was found that ETT restored with metal posts were extracted more often due to endodontic failure. The elastic modulus mismatch between roots and metal posts led to a stress concentration at the bonding interface between the post and the luting material,<sup>41</sup> which therefore resulted in microgaps and could increase bacterial colonization as well as risk for apical periodontitis.<sup>22</sup> An in-vitro study reported that glass fiber posts and resin-supported polyethylene fiber posts exhibited less microleakage compared with stainless steel posts and zirconia posts.<sup>42</sup> With no access to root canal retreatment, teeth restored with a cast post-and-core restoration but with a periapical lesion present are very likely to be extracted.<sup>43</sup>

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Naumann & Sorensen

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Shreeyan Nayar, Vasanthan RM, SUMAIYA FATHIMA T..., Tagore Dental, Kiruthika S, Nithyashri, Logesh ramalingam, Gow Tham

Subash Sharma

Meeting details

Raise hand, Turn on captions, Subash Sharma is presenting

meet.google.com

Subash Sharma is presenting

Kavitha P and 83 more

12:10 PM

## RESTORATIVE DENTISTRY

### Evaluation of fiber posts vs metal posts for restoring severely damaged endodontically treated teeth: a systematic review and meta-analysis

Xiaodong Wang, MD5/Xin Shu, MD5/Yingbin Zhang, MD5/Bin Yang, PhD/Yutao Jian, PhD/Ke Zhao, PhD

**Objectives:** This review was undertaken to answer a controversial clinical question with high-quality evidence: When severely damaged teeth are restored, which type of post (metal or fiber) demonstrates superior clinical performance? **Data sources:** The meta-analysis was conducted according to the guidelines in the Cochrane handbook. Electronic databases (MEDLINE, EMBASE, CENTRAL) and gray literatures were screened up to January 2018. Only randomized controlled trials (RCTs) with follow-up of at least 3 years were included. The quality of included studies was assessed by the Cochrane Collaboration's tool. Meta-analysis compared survival, success, post debonding, and root fracture incidence of teeth restored with fiber and metal posts. The GRADE system (Grading of Recommendations, Assessment, Development and Evaluations) was used to assess the strength of the evidence. Of 1,511 records, 14 full texts were obtained. Only four RCTs with follow-up times of 3 to 7 years met the selection criteria. The methodologic quality of included RCTs was low risk of bias. Fiber posts presented significantly higher survival rates than did metal posts (RR 0.57, 95% CI: 0.33 to 0.97,  $P = .04$ ), while no difference was observed in success rates, post debonding rates, or root fracture rates. The GRADE assessment indicated a high quality of evidence for survival rates and a moderate quality for success rates. **Conclusion:** It was concluded that fiber posts displayed higher medium-term (3 to 7 years) overall survival rates than did metal posts when used in the restoration of endodontically treated teeth with no more than two coronal walls remaining. (Quintessence Int 2019;50: 8-20; doi: 10.3290/j.gi.a41499)

**Key words:** meta-analysis, post, success rate, survival rate, tooth defect

Shreeyan Nayar, Vasanthan RM, SUMAIYA FATHIMA T..., Tagore Dental, Kiruthika S, Nithyashri, Logesh ramalingam, Gow Tham

Subash Sharma

Meeting details

Raise hand, Turn on captions, Subash Sharma is presenting



**TAGORE DENTAL COLLEGE AND HOSPITAL**  
**CERTIFICATE OF APPRECIATION**



Presented to *Dr Subash Sharma S*

For delivering Guest Lecture on

**“POST ENDODONTIC RESTORATION”**

on 10<sup>th</sup> April, 2021.

**Dr. CHITRAA. R CHANDRAN**  
PRINCIPAL

**Dr. S. BALAGOPAL**  
CHAIRMAN, DEU



# FEEDBACK FORM FOR THE POST ENDODONTIC RESTORATION ONLINE

## GUEST LECTURE

DATE: 10-04-2021

TIME: 11:30 AM TO 12:30 AM

The following feedback was sent to the participants after the online guest lecture.

Name \*

Your answer

---

Skill and responsiveness of the presenter \*

	Strongly disagree	Disagree	Neutral	Agree	Strongly agree
Presentations were clear and organized	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Presenter stimulated student interest	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Presenter effectively used time	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Contribution to learning \*

	Poor	Fair	Satisfactory	Very good	Excellent
Level of skill/knowledge at start of course	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Level of skill/knowledge at end of course	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Lecture content \*

	Strongly disagree	Disagree	Neutral	Agree	Strongly agree
Learning objectives were clear	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Course content was organized and well planned	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

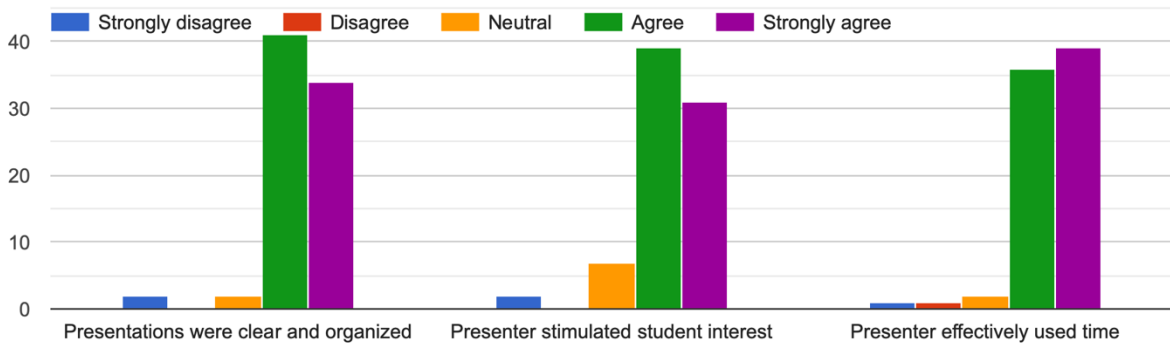
What aspects of this lecture was most useful or valuable?

Your answer

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Total of 79 responses were received.

### Skill and responsiveness of the presenter

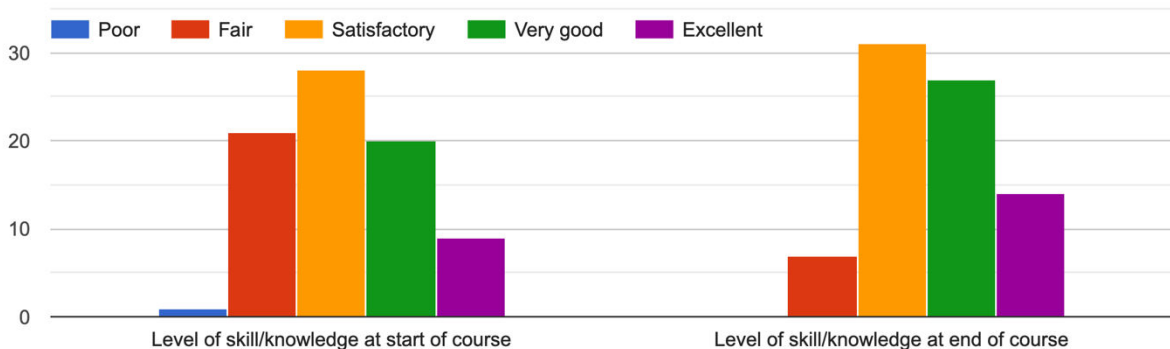


41 people responded that they agreed the presentation was clear and organised. 34 responded they strongly agree that the presentation was clear and organised.

39 people responded that they agree the presenter stimulated student's interest and 31 strongly agree the presenter stimulated student's interest.

36 agreed and responded the presenter effectively used the time and 39 strongly agree that the presenter effectively used the time.

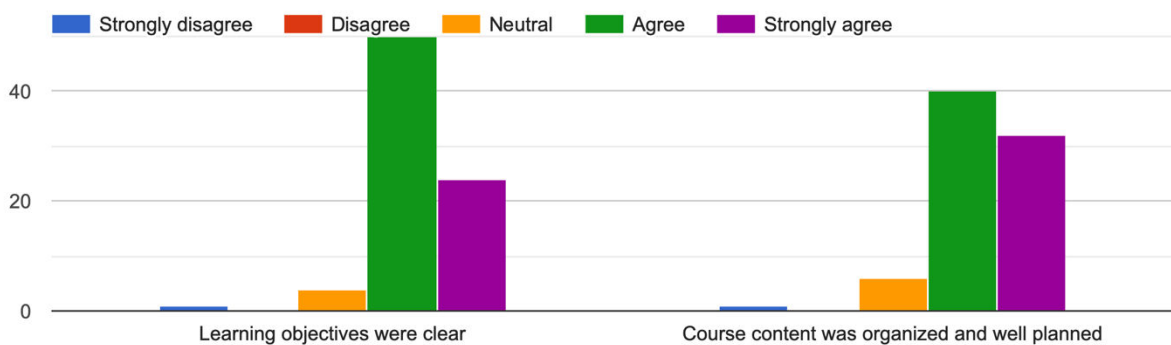
### Contribution to learning



21, 28, 20 and 9 people had fair, satisfactory, very good and excellent skill and knowledge before the start of lecture.

7, 31, 27, 14 people had fair, satisfactory, very good and excellent skill and knowledge by the end of lecture.

## Lecture content



50 people agree that the learning objectives were clear whereas 24 people strongly agree that the learning objectives were clear

40 agreed and responded the course content was organised and well planned 32 strongly agreed and responded the course content was organised and well planned

What aspects of this lecture was most useful or valuable? 41 responses

Research articles at end of the presentation  
 Clinical points  
 The lecture was crisp to the point and gave a idea of the concepts  
 Both  
 All  
 Use of video explanation  
 Most valuable lecture  
 Clinical approach  
 Concepts were understood  
 It is very useful during our clinical practice  
 Everything was useful  
 Knowledge of lecturer  
 Video presentation was useful  
 Everything is excellent  
 Demonstration videos were good and engaging  
 Very useful  
 Most useful and valuble  
 videos made the lecture interesting  
 Valuable clinically  
 Video presentation

Every aspect

The importance of fibre post and core in post endodontic treatment

Demonstration videos was more engaging.

The lecture was very useful and clear about post endodontics restoration

Valuable

Very valuable

Demonstration videos

Brief descriptions

The treatment protocol was very useful

Everything sir has taught was very useful

Was very helpful and gained knowledge

Videos and good explanation

presentation

Easy to understand

Most useful

Valuable

Each and every aspect was very valuable

The way of teaching .the topic was clear

In clinical aspects, it gave me an idea of all the variable options in post endodontic restoration

Every aspect of this lecture was most useful and valuable

Images

Final Years attendance list on 10/04/2021

1. AARTHI P
2. AARUDRADEVI J G
3. AISHWARYA K
4. AISHWARYA S
5. AJAI KUMAR
6. AJITH KUMAR S
7. AKASH V
8. AKSHAYA N
9. ANITHA ROSELIN S
10. ANJALI V
11. ANUSIYA J
12. AYISHA M
13. BALAJI S A
14. BHARANY MALAVIKA J
15. BHARGAVI T
16. BHAVANKUMAR V
17. DEEPAK RAJ J
18. DEEPIKA BARATHI M
19. EZHIL BHARATHI I
20. FATHIMA HASEEN FAZEENA
21. GAYATHRI V A M
22. GOKULA PRIYA R
23. GOPINATH B
24. GOWARDHAN S
25. HARITHA R
26. JANANEE BHARKAVI N
27. JANISHA M
28. JEBASELVI P
29. KALKI PRIYA A
30. KALPITA DEB BARMAN
31. KAMIL HANEEF P
32. KANMANI R
33. KARTHIKEYAN A
34. KRISHNAPRIYA R
35. MALARVIZHI G
36. MARIA SELVA VIVETHA A
37. MONISHA N C
38. MUTHU MEENAL M
39. NAFEESA A
40. NIRMALA S
41. NISHA DAPHNE R
42. NISHAALI M M
43. PAVITHRA M

44. POOJA DHARSHINI R
45. PRAVINA
46. PREETHA J H
47. PRIYA S
48. PUVITHA A
49. RAGAPRIYA
50. RAJ SHREE E
51. RAKSHNA N
52. RAMYA M
53. RESHMA S
54. SAROJINI M S
55. SETHU SREE G
56. SHARMILA E
57. SHREEYAN NAYAR M N
58. SHRIKAVI M
59. SIVARANJANI S
60. SREE LAKSHMI S
61. SRIDEVI S
62. SRIJANANI S
63. STAVAN V
64. SUBASH B
65. SUBASH M
66. SUGUMARI V
67. SUMAIYA B
68. SUMAIYA FATHIMA T
69. SUNIL KUMAR
70. SUTHAMANCHARRI S
71. VASANTHAN R M
72. VETHIKA K
73. VIVETHA

Absentes

1. Vishnu pravina
2. Abitha Shree
3. Ashwini
4. Bakya lakshmi
5. Jebaselvi
6. Krithika
7. LAKSHAYA
8. Rithika
9. Thilak Raj

## Staffs

1. Dr. S. Balagopal
2. Dr. Anisha Sebatni
3. Dr. C. Charanya
4. Dr. Sarath Sarathy
5. Dr. Sarath Kumar