



Chettinad
Dental College & Research Institute

Department of Conservative Dentistry and Endodontics
E-Learning Classes
Post Graduate Students

S.N o	Date	Topic of presentation	Faculties	No of students attended
1.	04/05/2020	Seminar by Dr. Yashini	Dr.K.Senthil Kumar Dr.Sadasiva Dr.Anupama Dr.Manjiri	9
2.	05/05/2020	Seminar by Dr Revathy	Dr.K.Senthil Kumar Dr.Sadasiva Dr.Anupama Dr.Manjiri	9
3.	06/05/2020	Journal discussion by Dr. Shwetha	Dr.K.Senthil Kumar Dr.Sadasiva Dr.Anupama Dr.Manjiri	9
4.	07/05/2020	Seminar by Dr.Srividhya	Dr.K.Senthil Kumar Dr.Sadasiva Dr.Anupama Dr.Manjiri	9
5.	08/05/2020	Journal discussion by Dr. Kalaiarasi	Dr.K.Senthil Kumar Dr.Sadasiva Dr.Anupama Dr.Manjiri	9
6.	09/05/020	Seminar by Dr. Yashini	Dr.K.Senthil Kumar Dr.Sadasiva Dr.Anupama Dr.Manjiri	9

Department of Conservative Dentistry & Endodontics
Attendance Report

Date: 04/ 05 /.2020
Post Graduate - Seminar

Staff members:

- 1) Dr. K. Senthil Kumar
- 2) Dr. Sadasiva K.
- 3) Dr. Anupama R
- 4) Dr. Manu Unnikrishnan
- 5) Dr. Manjiri Honap
- 6) Dr. Sreeram

Timings: 12.45 pm -1.30 pm

PG Seminar Discussion

Meeting Time: May 04, 2020 12.45pm

Zoom Meeting

<https://us04web.zoom.us/j/2878661327>

Meeting ID: 287 866 1327

No of members participated: 15

FABRICATION OF CERAMIC RESTORATIONS

Techniques used for fabrication of ceramic restorations are:

- Firing on platinum foil
- Using refractory techniques
- Lost wax technique
- Machined restoration using CAD-CAM technology.

Firing on Platinum Foil

Ceramic inlays and onlays are commonly fabricated by firing dental porcelains on refractory dies.

-Firing is the oldest method amongst different fabrication techniques. This is no longer preferred nowadays.

In this technique, platinum foil is adapted over the die.

Feldspathic porcelain is applied over the layer of platinum foil.

Then along with foil, porcelain layer is removed from the die and fired in oven. Before cementation, remove the platinum foil.

Advantages

- Ease of fabrication
- Easy accessibility in proximal areas of preparation.

Disadvantages

- More chances of inaccuracies
- Technique sensitive.



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Participants (15)

Q Search

YT

Yashini Thanikachalam (me)

YT

Yashini Thanikachalam (Host)

Kalaiaarasi Murugesan

sankar vishwanath

AR

Anupama R

DJ

Deepti JV

Dr Sreeram S.R

Manjiri Honap

MU

Manu Unnikrishnan

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Participants (15)

Participants

DJ

Deepti JV

Dr Sreeram S.R

Manjiri Honap

MU

Manu Unnikrishnan

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R

Revathy

Sadasiva Kadandale

Senthil Kumar Kumarappan

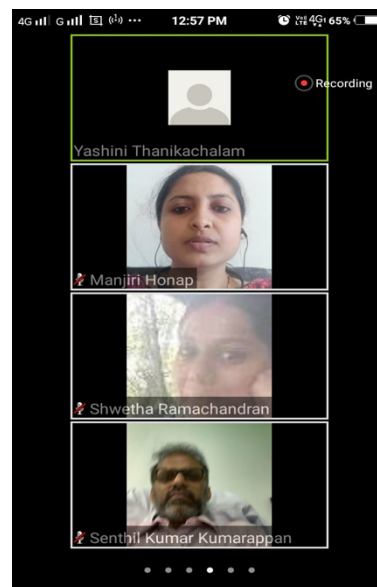
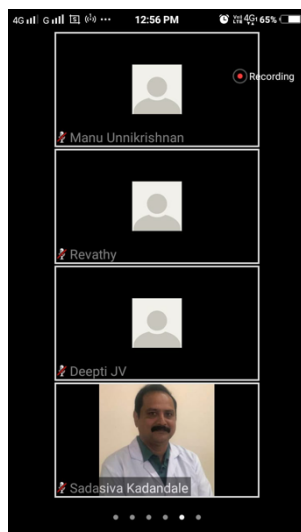
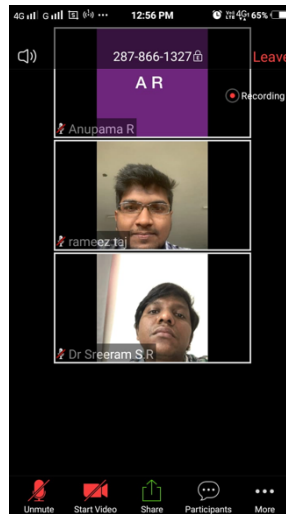
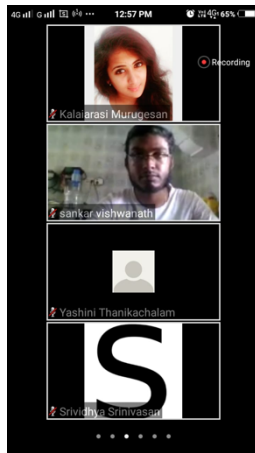
Shwetha Ramachandran

S

Srividhya Srinivasan

Chat

Invite



Department of conservative dentistry & endodontics

Attendance report

date:05.05.2020

Post graduate- Seminar presentation

Staffs:

Dr. Senthil Kumar. K

Dr. Sadasiva. K

Dr. Anupama. R

Dr. Manu Unnikrishnan

Dr. Manjiri Honap

Dr. Sreeram

Revathy Parthasarathy is inviting you to a scheduled Zoom meeting.

Topic: Revathy Parthasarathy's Zoom Meeting

Time: May 5, 2020 12:45 PM India

Join Zoom Meeting

<https://us04web.zoom.us/j/78163165290?pwd=ZDJHTHR3WnRZNHc4TUtFME5xWktrQT09>

Meeting ID: 781 6316 5290

Password: 010086

No. of participants:12

You are viewing Revathy Parthasarathy's screen

endodontic emergencies - PowerPoint

File Home Insert Design Transitions Animations Slide Show Review View Help Tell me what you want to do

Clipboard Slides Font Paragraph Drawing

1  ENDODONTIC EMERGENCIES
Dr. Revathy Parthasarathy
II YEAR PG

2  SYNOPSIS
Endodontic emergencies are defined as conditions that require immediate attention to prevent further damage to the tooth and surrounding tissues. The management of these emergencies is crucial for the success of the endodontic treatment.

3  Introduction
Endodontic emergencies are defined as conditions that require immediate attention to prevent further damage to the tooth and surrounding tissues. The management of these emergencies is crucial for the success of the endodontic treatment.

4  Management of Endodontic Emergencies
The management of endodontic emergencies involves a systematic approach to identify the cause of the emergency and implement appropriate treatment measures. This includes a thorough clinical examination, radiographic evaluation, and a clear understanding of the patient's medical history.

5  Conclusion
Endodontic emergencies are a common occurrence in dental practice. Prompt recognition and management are essential to prevent further damage to the tooth and surrounding tissues. The management of these emergencies involves a systematic approach to identify the cause of the emergency and implement appropriate treatment measures.

Participants (11)

Find a participant

- sankar vishwanath (Me)
- Revathy Parthasarathy (Host)
- Srividhya Srinivasan
- DJ Deepti JV
- HK Harini Karunakaran
- Kalaiarasi Murugesan
- Manjiri Honap
- RT rameez taj
- Senthil Kumar Kumarappan
- Shwetha Ramachandran
- YT Yashini Thanikachalam

Invite Mute Me Raise Hand

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Participants 11 Chat Share Screen Record

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mechanism

Seltzer et al 2004 discussed a number of hypothesis thought to be related to the etiology of flareups⁵. These would include:

- Alteration of the local adaption.
- Changes in periapical tissue pressure .
- Microbial factors.
- Effects of chemical mediators.
- Changes in cyclic nucleotides.
- Immunological phenomena.
- Various psychological factors.

Alteration of Local Adaptation Syndrome

Selye has shown that when a new irritant is introduced in a chronically inflamed tissue, a violent reaction may occur because of disturbance in local tissue adaptation to applied irritants. For example in case of chronic pulpal diseases, the inflammatory lesion is adapted to irritants but during root canal therapy, a new irritant in form of medicament get introduced in the lesion leading to flare-up.

Changes in Periapical Tissue Pressure

Studies have shown that in teeth with increased periapical pressure, excessive exudate creates pain by causing pressure on nerve endings. Root canals of such teeth when kept open, Intraregic overinstrumentation promotes the enlargement of the apical foramen, which may permit an increased influx of exudate and blood into the root canal (Chaves de Paz Villanueva, 2002). This will enhance the nutrient supply to the remaining bacteria within the root canal that can then proliferate and cause exacerbation of a chronic periradicular lesion. Although this possi-



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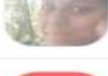
Participants

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Participants (12)

	Revathy Parthasarathy (host)	 	>
	sankar vishwanath	 	>
	Deepti JV	 	>
	Harini K	 	>
	Kalaiarasi Murugesan	 	>
	Manjiri Honap	 	>
	rameez taj	 	>
	Sadasiva Kadandale	 	>
	Senthil Kumar Kumarappan	 	>
	Shwetha Ramachandran	 	>
	Yashini Thanikachalam	 	>

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Chettinad
Dental College & Research Institute

Department of Conservative Dentistry & Endodontics
Attendance Report

Date: 06.05.20

Post graduate: Shwetha RK

JOURNAL DISCUSSION

Staff:

Dr.Senthil kumar K

Dr.Sadasiva K

Dr.Anupama R

Dr.Sreeram

Dr.Manjiri Honap

Timing: 12.30—1.00 pm

PG Case discussion

Zoom meeting link

<https://us04web.zoom.us/j/75588672263?pwd=WnJZQUtqVndkV0YvTFV4OGVQcDJIQT09>

Meeting id: 3516445474

No of students participated: 9



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INTRODUCTION

- The color related properties of dental materials are closely associated with their esthetic performance. This explains the continued development and use of materials and techniques that mimic the natural dentition.
- Three categories of color-related properties of dental materials have been described:
 - (a) color compatibility—among dental materials, and between shade guides and teeth;
 - (b) color stability—before (eg, firing), during (eg, polymerization) and after (eg, aging and staining) placement; and
 - (c) color interactions—layering and color shifting that clinically relates to a dental material taking on the color of the surrounding hard dental tissues after placement.



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Participants (12)

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rameez taj (me)



Shwetha Ramachandran (Host)

REC



sankar vishwanath



Anupama R



DJ

Deepti JV



HK

Harini Karunakaran



Kalaiarasi Murugesan



Manjiri Honap



Sadasiva Kadandale



Senthil Kumar Kumarappan



S

Srividhya Srinivasan



YT

Yashini Thanikachalam



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Participants (13)

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rameez taj (me)



Shwetha Ramachandran (Host)

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Anupama R



DJ

Deepti JV



HK

Harini K



Kalaiarasi Murugesan



Manjiri Honap



R

Revathy



Sadasiva Kadandale



SV

sankar vishwanath



Senthil Kumar Kumarappan



S

Srividhya Srinivasan



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Department of Conservative Dentistry & Endodontics

Attendance Report

Date: 07.05.2020

Post Graduate – Seminar presentation

Staff:

Dr. K. SenthilKumar

Dr. Sadasiva K.

Dr. Anupama R.

Dr. Manjiri Honap

Dr. sreeram

Timings: 1.00 – 1.30PM

PG Seminar presentation

Meeting Time: May 7, 2020

Zoom Meeting link

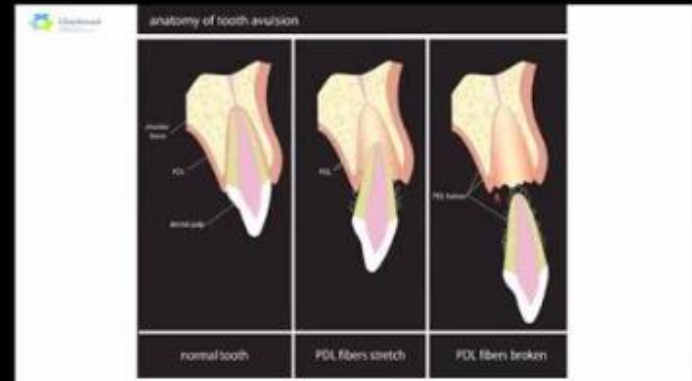
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j/7894287905](https://us04web.zoom.us/j/7894287905)

Meeting ID: 7894287905

No of students participated: 9



Avulsion of Permanent tooth



- S

Srividhya Srinivasan (Host)


- 

Anupama R


- HK

Harini Karunakaran


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Kalaierasi Murugesan


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Manjiri Honap


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rameez taj


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Revathy


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Sadasiva Kadandale


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sankar vishwanath

REC


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Senthil Kumar Kumarappan



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- YT

Yashini Thanikachalam (me)


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Srividhya Srinivasan (Host)


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Anupama R


- HK

Harini Karunakaran


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Kalaierasi Murugesan


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Manjiri Honap


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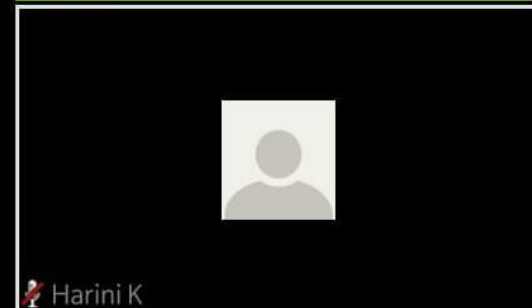
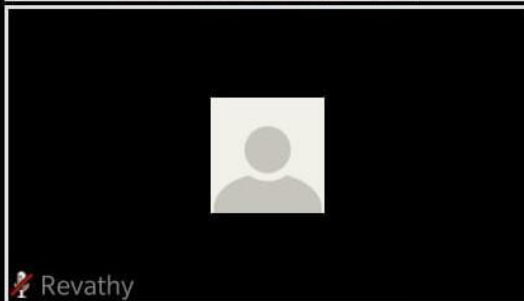
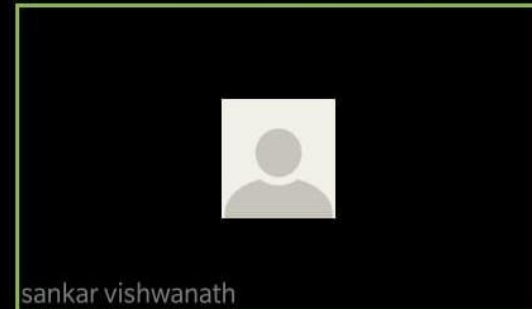
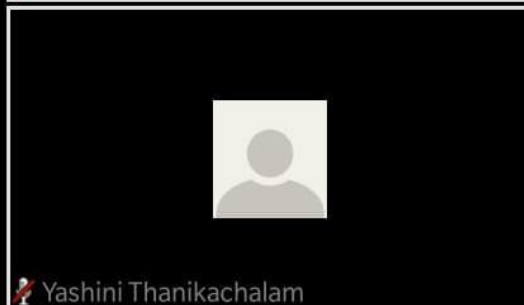
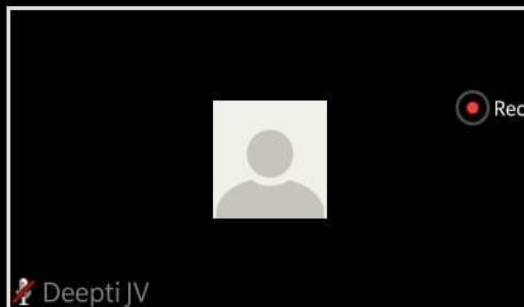

- R

Revathy


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Sadasiva Kadandale





DEPARTMENT OF CONSERVATIVE DENTISTRY AND ENDODONTICS

Attendance Report

Report date: 8.5.2020

Post Graduate: M.Kalaiarasi

JOURNAL DISCUSSION

Staff:

Dr.senthilkumar k.

Dr. sadasiva K.

Dr. Anupama R.

Dr. Manjiri Honap.

Dr. Sreeram

Timings: 1.00 pm to 1.30 pm

PG Journal discussion

Zoom meeting link

<https://us04web.zoom.us/j/78007869149?pwd=MkVFMEdhY3EyOFFoaHVjdFpTLzN2QT09>

Meeting ID: 780 0786 9149

Password: 9z0nND

IMPACT OF CONTRACTED ENDODONTIC CAVITIES ON ROOT CANAL DISINFECTION AND SHAPING

Gaya C. S. Vieira, Alejandro R. Perez, Flavio R. F. Alves, Jose C. Provenzano, Ibrahimu Mdala, Jose F. Siqueira, Isabela N. Roças

Journal of endodontics, March 2020

Impact factor – 2.886

Citations - 1

1

Recording... You are viewing Kalaiarasi Munugesan's screen View Options Speaker View Exit Full Screen

Kalaiarasi Munugesan sankar jishwanath Srividhya Srinivasan Sadasiva Kadandale

Yashini Thanikac... Deepti JV Harini Karunaka... Revathy

Anupama R rameezb Shwetha Ramachandran Senthil Kumar Kumarappan

Manjiri Honap

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4. Root Canal Contamination:

- A hand K-type file size 15 (FKG Dentaire, La Chaux-de-Fonds, Switzerland) was placed in the root canal until its tip was visualized at the apical foramen using a stereomicroscope.
- This measure was recorded as the patency length, and all root canals were instrumented up to this point with an Mtwo 10/.04 instrument.
- The smear layer was removed as follows:
 - ❖ The canals were filled with 17% EDTA using a NaviTip 30-G needle
 - ❖ The teeth were completely immersed in the same solution and then subjected to ultrasonic agitation for 3 minutes.
 - ❖ Next, the same approaches were performed in sequence using distilled water, 2.5% sodium hypochlorite (NaOCl), and 10% sodium thiosulfate.
 - ❖ The canals were washed with distilled water and then filled with trypticase soy broth.

Kalaiaarasi Murug...

sankar.vishwa...

S

Srividhya Srin...

Sadasiva Kad...

Yashini Thanika...

Deepti JV

Harini Karunaka...

Revathy

Anupama R

rameez taj

Shwetha Ram...

Senthil Kumar...

Manjiri Honap

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Participants 13

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Department of Conservative Dentistry & Endodontics

Attendance Report

Date: 09.05.2020
Post Graduate – seminar

Staff:

Dr. K. Senthil Kumar

Dr. Sadasiva K.

Dr. Anupama R.

Dr. Manjiri Honap

Dr. sreeram

Timings: 01.00 – 1.45PM

PG Journal discussion

Meeting Time: may 9, 2020

Zoom Meeting link

<https://us04web.zoom.us/j/2878661327>

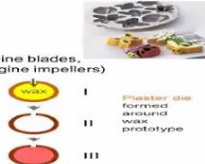
Meeting ID: 287 866 1327

No of students participated: 9

Recording...

Investment Casting (lost-wax casting)

- Investment Casting (low volume, complex shapes like jewelry, turbine blades, jewelry and dental crowns and inlays, and jet engine impellers)
- Stage I — Mold formed by pouring plaster of paris around wax pattern. Plaster allowed to harden.
- Stage II — Wax is melted and then poured from mold—hollow mold cavity remains.
- Stage III — Molten metal is poured into mold and allowed to solidify.



92

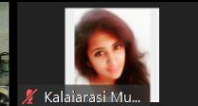
Lost Wax Technique

- Complete the tooth preparation, take the impression, pour 'master' die and cast using die stone.
- Make a wax pattern and invest it in phosphate bonded investment.**
- Burn out the wax using a wax eliminating furnace.**
- Heat the transparent casting glass at 1100°C** till the casting glass is turned into white, opaque, semicrystalline material. A special casting machine is used to melt the glass ingot.
- The molten glass is slowly cast into the mold** using centrifugal casting machine. **After cooling, clean the restoration** of all the investment.
- Seat the restoration on master die and working cast** for adjustment of contour, final adjustment and finishing.
- Once the fitting is confirmed, final adjustment and finishing procedures are done**, shading porcelains are applied and fired for better color matching and final finishing and glazing.

Yashini Thanika...



sankar vishwa...



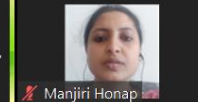
Kalaiarasi Mu...



Srividhya Srin...



Yashini Thanika...



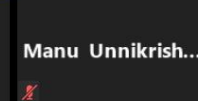
Manjiri Honap...



Shwetha Ram...



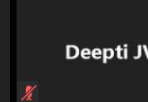
Senthil Kumar...



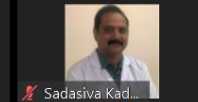
Manu Unnikrish...



Revathy



Deepti JV



Sadasiva Kad...



Anupama R...



rameez taj...



Dr Sreeram S.R...

Harini Karunaka...

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Yashini Thanikachalam (me)

Revathy Parthasarathy (Host)

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DJ

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 Senthil Kumar Kumarappan