

### Third Year BDS Summary Report 18.05.20 - 20.05.20

#### **E-Clinics**

S.NO	DATE	CLINICAL DISCUSSION TOPIC	FACULTY	NO OF STUDENTS PARTICIPATED			
C1 BATCH							
1.	18.05.2020	TOPICAL FLUORIDE	DR.DAYA, DR.DIVYA, DR.DEVI, DR.SENTHIL	6/7			
2.	19.05.2020	STAINLESS STEEL CROWNS	DR.DEVI, DR.SENTHIL, DR.DAYA, DR.DIVYA	6/7			
3.	20.05.2020	SEALANTS	DR.SENTHIL,DR.DAYA, DR.DIVYA, DR.DEVI	6/7			
B2 BATCH							
4.	21.05.2020	CASE HISTORY& DIAGNOSIS	DR.DIVYA, DR.DAYA DR.DEVI, DR.SENTHIL	7/7			
5.	22.05.2020	CHAIRSIDE BEHAVIOR MANAGEMENT TECHNIQUES	DR.DEVI, DR.SENTHIL, DR.DAYA, DR.DIVYA	7/7			
6.	23.05.2020	CLASS II CAVITY PREPARATION IN PRIMARY TEETH	DR.DAYA, DR.DIVYA, DR.DEVI, DR.SENTHIL	7/7			



#### Third Year BDS Summary Report 18.05.20 - 20.05.20

#### **E-Class**

S.NO	DATE	CLINICAL DISCUSSION TOPIC	FACULTY	NO OF STUDENTS PARTICIPATED
1.		CLASSIC CONDITIONING AND OPERANT CONDITIONING THEORY	DR.DIVYA, DR.DAYA DR.DEVI, DR.SENTHIL	76/91

NAME OF E-REOSURCE PLATFORM	WEBLINK	USED FOR
ZOOM	https://zoom.us/	THEORY CLASS CLINICAL CASE DISCUSSIONS ATTENDANCE
GOOGLE FORMS  Google Forms	https://docs.google.com/forms/u/0/	ASSIGNMENTS QUIZ ASSESSMENT AND GRADING



#### THIRD YEAR E-CLINICS

Topic :Topical Fluorides

Date :18.05.20

Time :12.15- 1.00.PM

Faculty :Dr. Daya

Instructor

Faculty :Dr.Divya, Dr.Senthil and Dr. Devi

Attended

Students: Third years 6/7

Batch :C1 Absentee :1

Platform : ZOOM

zoom

### Join our Cloud HD Video Meeting now

Zoom is the leader in modern ent... us04web.zoom.us

07:05

Daya Srinivasan is inviting you to a scheduled Zoom meeting.

Topic: Daya Srinivasan's Zoom Meeting Time: May 18, 2020 12:15 PM India

Join Zoom Meeting

https://us04web.zoom.us/j/6664598002 ?pwd=z\_NJGfjZjxt-7i38QxP9jDM514c

Meeting ID: 666 459 8002

Password: pedo





### TOPICAL FLUORIDES

e-Learning III yr clinical class Department of Pediatric & Preventive Dentistry Dr Daya Srinivasan



### Sodium Flouride

- 20gms of NaF powder in 1 liter of distilled water in a plastic bottle.
- store F in plastic bottles because it stored in glass containers
- fluoride ion of solution can react with silica of glass forming SiF2, thus reducing the availability of free active F for anti caries action





#### **APF**

- Brudevold technique
- Prophylaxis and isolation
- Continuous and repeated application with cotton applicators.
- Kept wet for 4 min
- Wet the floss and pass it through the inter proximal embrasure
- Semiannual application

### **FLUORIDE GEL**

- Applied using trays entire dentition can be treated at one time
- 1.23% APF Gel thixotropic gels high viscosity (methyl cellulose)
- o property to flow under pressure







#### PROFESSIONAL APPLICATION OF GEL OR FOAM

- · Patient is asked to sit in upright position
- Saliva ejector is held in place
- Trays are filled (not more than 40% of its capacity)
- Tray is then placed in the mouth (lower arch followed by upper arch)
- Have the patient bite down tightly for 4 min.



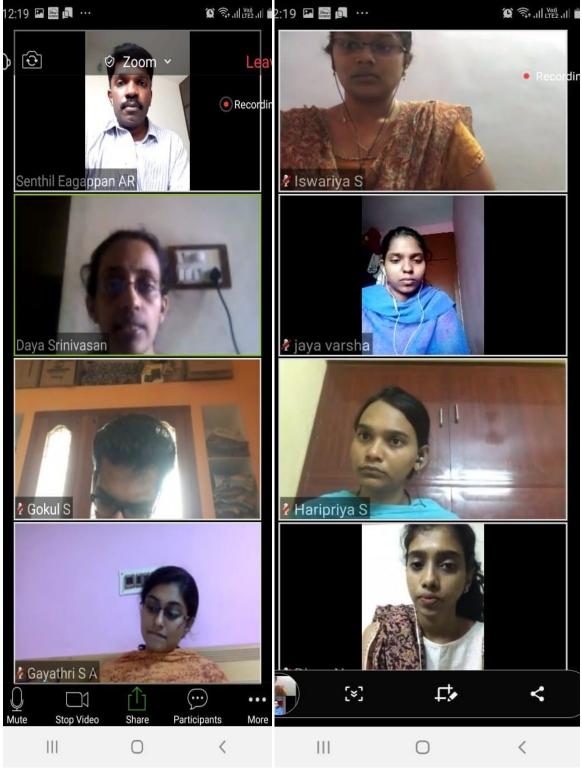
#### **FLUORIDE VARNISH**

- Schimdt (1964)
- Increases the time the fluoride in contact with the tooth
- Handicapped children
- Very young children who cannot expectorate the gel or foam

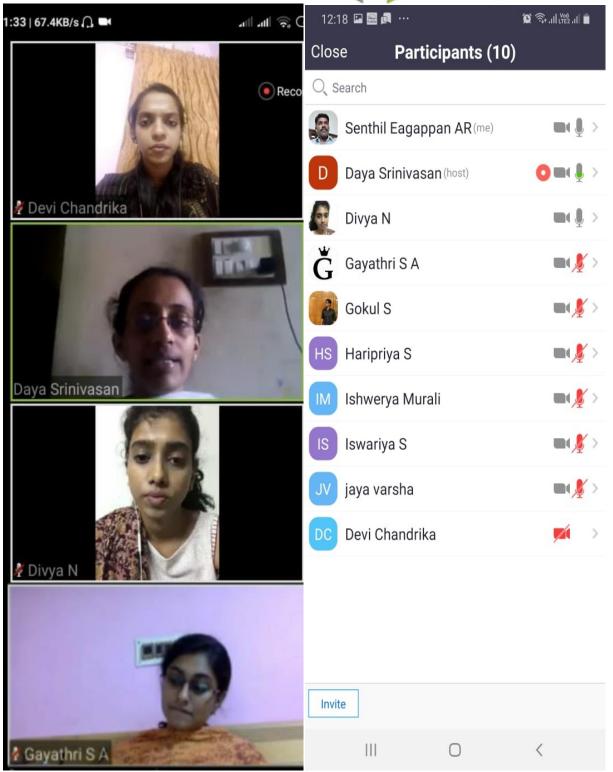














#### THIRD YEAR E-CLINICS

Topic :Stainless Steel Crowns

Date :19.05.20

Time :12.00- 1.00.PM

Faculty :Dr. Devi

Instructor

Faculty :Dr.Divya, Dr.Senthil and Dr. Daya

Attended

Students :Third years 6/7

Batch :C1 Absentee :1

Platform : ZOOM

zoom

Join our Cloud HD Video Meeting now

Zoom is the leader in modern ent... us04web.zoom.us

11:41 🗸

Devi Chandrika is inviting you to a scheduled Zoom meeting.

Topic: Third year E- clinics

Time: May 19, 2020 12:00 PM Mumbai,

Kolkata, New Delhi

Join Zoom Meeting

https://us04web.zoom.us/j/75610104760 ?pwd=a1ppMzh2U3EzZWVZTk1ZYXFEYjF

VQT09

Meeting ID: 756 1010 4760

Password: pedo



Chettinad

## STAINLESS STEEL



Dr. Devi Chandrika
Department of Ped

You are screen sharing

■ Stop Share



#### 2.Nickel – base crowns

The alloys have good formability and ducti clinical adaptation of crowns and wear reopposing occlusal forces.

- 72% nickel
- 14% chromium
- 6-10% iron
- 0.04% carbon
- 0.35% manganese
- 0.2% silicon
- The metallurgical characteristics of Ni-chrome crowns allow them to be fully shaped and strain hardened without a defect during manufacture.



You are screen sharing 💮 😊 🔳 Stop Share







- Extensive decay in primary & young permanent teeth.
- For teeth deformed by developmental defects or anomalies.
- For teeth with hypoplastic defects.
- Following pulp therapy.
- As preventive restoration.
- As an abutment.
- Temporary restoration of a fractured tooth.
- In severe cases of bruxism.
- For replacing prematurely lost anterior teeth
- Single tooth crossbite.







## Single tooth cross bite Chettinad Dental College & Resu















#### Occlusal reduction

A 69L or 169L bur is used to reduce the occlusal surface by 1.5-2.0mm .

#### **Proximal slices**

place the wooden wedges in the interproximal embrasures, the 69L or 169L bur is moved B-L across the proximal surface.

#### **Buccolingual reduction**

Reduction is minimal

#### Round off all the line angles

It is done by using side of bur

#### ➤ Initial adaptation of crown

The crown should be of correct length and margins should be adapted closely to the tooth

#### ➤ Seating the crown

Crown is tried on preparation by seating lingual first Resistance should be felt as the crown slips over buccal bulge





### Radiographic confirmation of the gingival

fit

Before cementation a bitewing is taken to verify proximal marginal integrity  $% \left( \frac{1}{2}\right) =\left( \frac{1}{2}\right) ^{2}$ 

#### **≻**Cementation

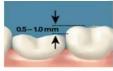
A zinc phosphate, polycarboxylate or GIC is preferred.









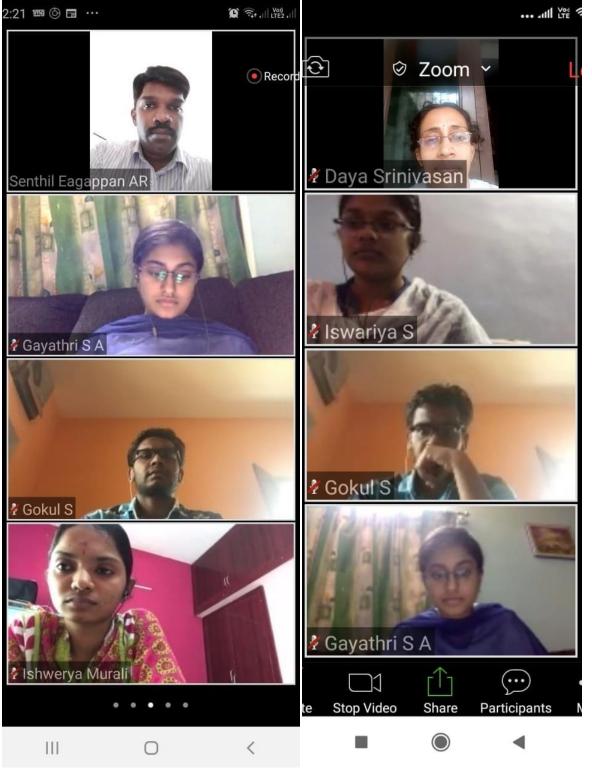




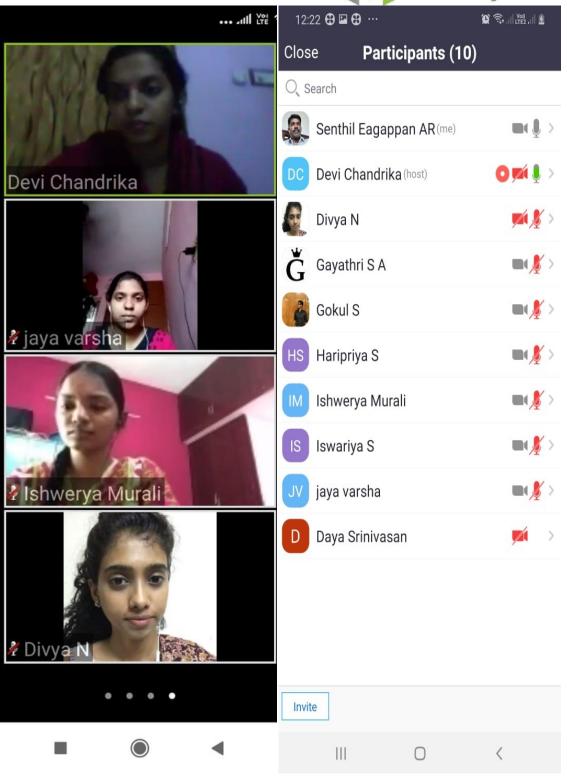




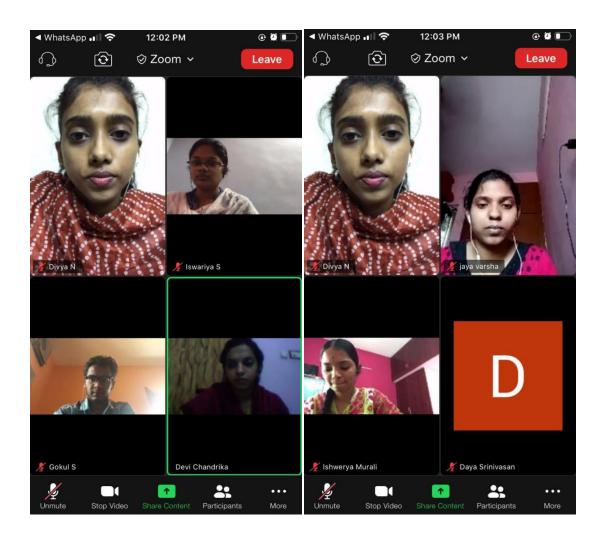














#### THIRD YEAR E-CLINICS

Topic :Sealants

Date :20.05.20

Time :12.00- 1.00.PM

Faculty :Dr.Senthil

Instructor

Faculty :Dr.Divya, Dr. Daya and Dr. Devi

Attended

Students: Third years 6/7

Batch :C1 Absentee :1

Platform : ZOOM

## zoom

### Join our Cloud HD Video Meeting

Zoom is the leader in modern ent... us04web.zoom.us

Senthil Eagappan AR is inviting you to a scheduled Zoom meeting.

Topic: E-Clinics Discussion- Sealants Time: May 20, 2020 12:00 PM Mumbai,

Kolkata, New Delhi

Join Zoom Meeting

https://us04web.zoom.us/j/8428563609 ?pwd=M2RpMEVFTWRmRIFvN3RkRThybX FkZz09

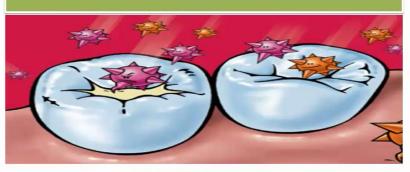
09:26

Meeting ID: 842 856 3609

Password: pedo



### PIT AND FISSURE SEALANTS



Dr. Senthil Eagappan
Department of Pedodontics & Preventive Dentistry

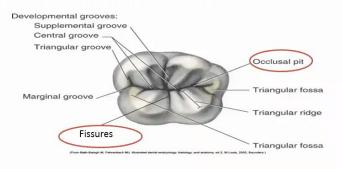


2

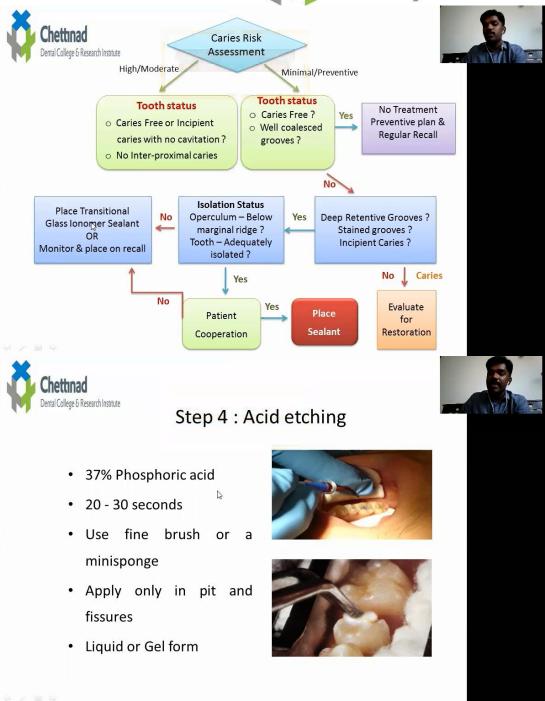


**PIT**: Small pin point depression located at the junction of developmental grooves.

FISSURE: Deep clefts between adjoining cusps.













### Step 6: Application of Bonding agent

Increases bond strength and thereby increases retention





### Step 7: Application of sealant

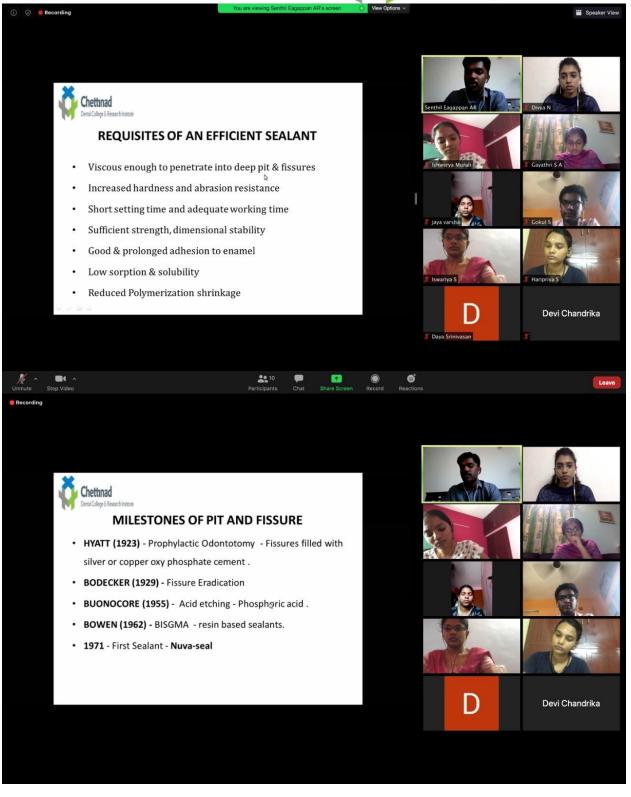


- Gently work into pits and fissures
- · Allow the sealant to flow
- · Don't overfill
- "pop" bubbles in sealant with explorer or brush tip before curing

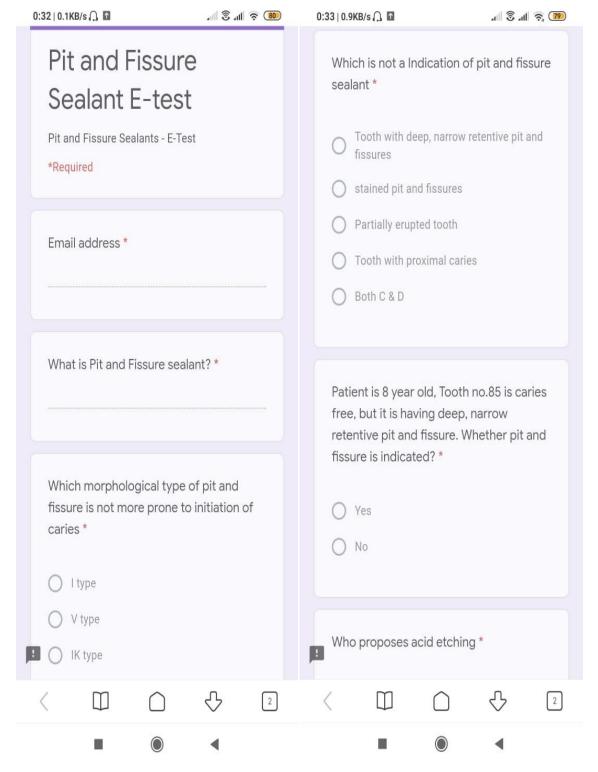


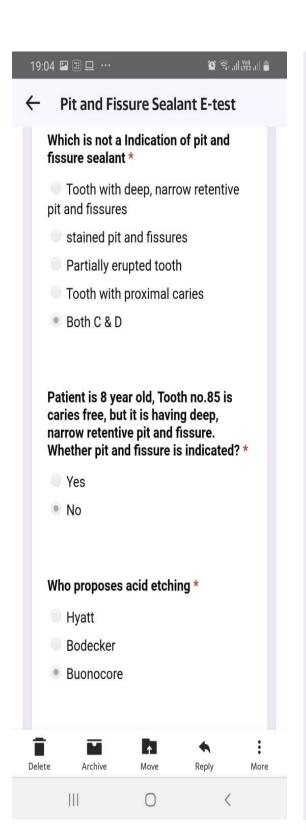














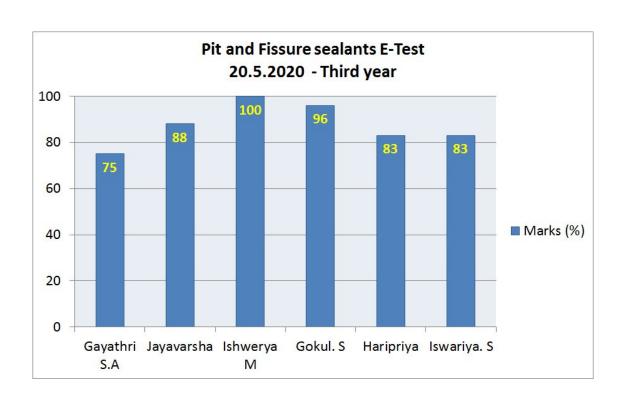
## Steps in clinical application of pit and fissure sealants \*

- 1. Tooth Preparation: Clean the tooth using pumice, Remove the debris with explorer, 2. Isolation using rubber dam or cotton pellets 3. Dry the tooth surface 4. Acid Etching - 37% H3PO4 for 20 - 30 seconds. 5. Rinse the tooth and dry the tooth 6. Applying bonding agent (Optional, based upon the manufacturers instructions for sealant). 7. Apply pit and fissure sealant and cure it for 20 sec. 8. Evaluate the sealant with explorer to check any deficiency 9. Evaluate the occlusion using articulating paper, if there is any occlusal discrepancy, relieve it with
- finishing bur 10..Review and recall.



# Recent advances in pit and fissure sealant \*

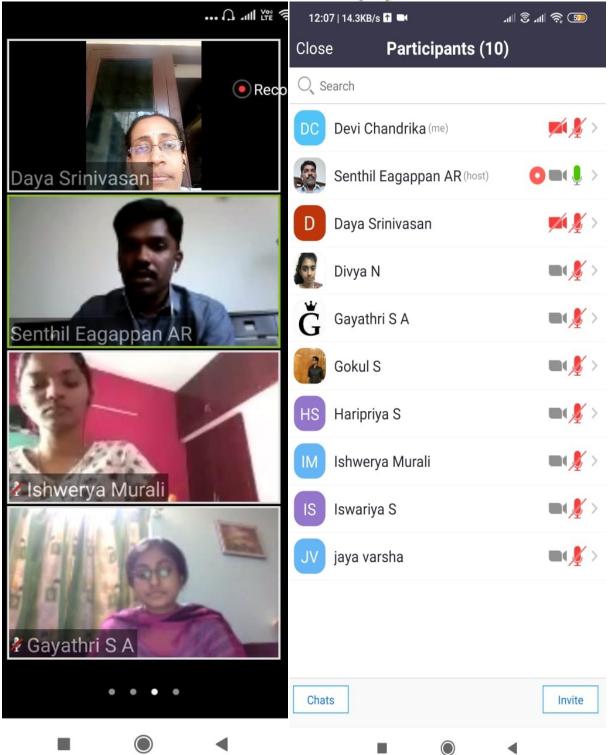
Fluoride Releasing pit and Fissure sealants, Amorphous calcium phosphate (ACP) releasing sealants, Clear Sealants, Colored Sealants, Wet Bond Sealants (Moist tooth),













#### THIRD YEAR E-CLINICS

Topic : Case History & Diagnosis

Date :21.05.20

Time :12.00- 1.00.PM

Faculty :Dr.Divya

Instructor

Faculty :Dr. Senthil, Dr. Daya and Dr. Devi

Attended

Students : Third years 7/7

Batch :B2 Absentee :1

Platform : ZOOM

### zoom

### Join our Cloud HD Video Meeting now

Zoom is the leader in modern ent... us04web.zoom.us

Divya N is inviting you to a scheduled Zoom meeting.

Topic: Case history E-Clinic

Time: May 21, 2020 12:00 PM Mumbai,

Kolkata, New Delhi

Join Zoom Meeting https://us04web.zoom.us /j/79051073207?pwd= Z21zR1FhZ1MydFoveGFYbUY2alBGQT09

Meeting ID: 790 5107 3207

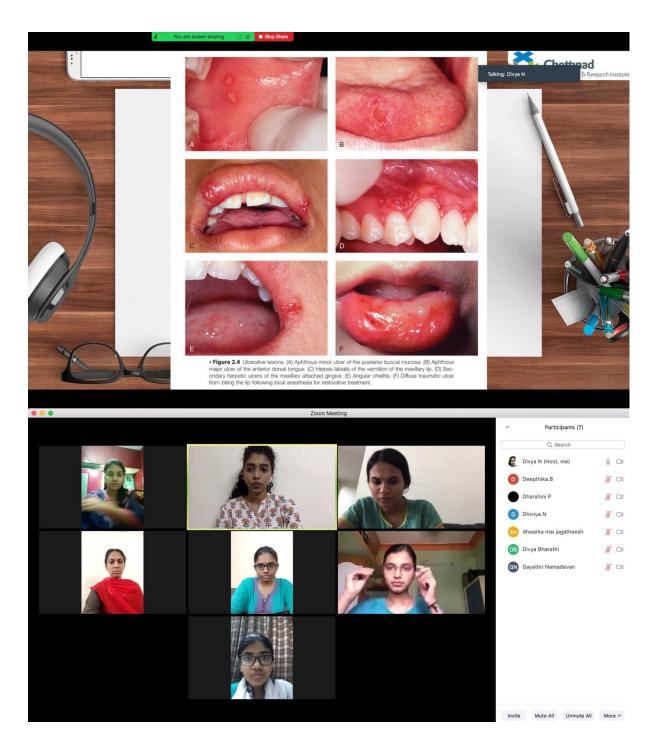
Password: pedo

09:11

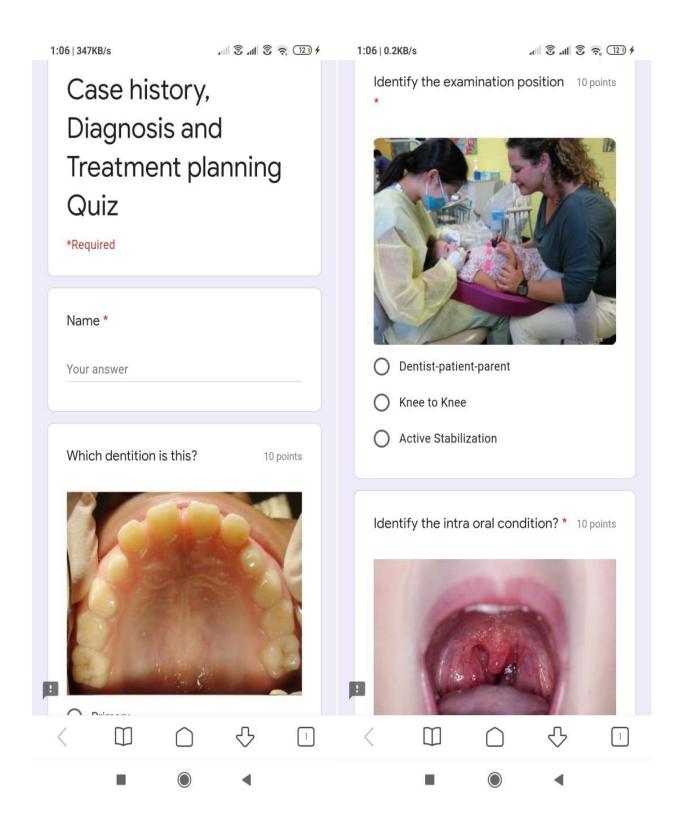




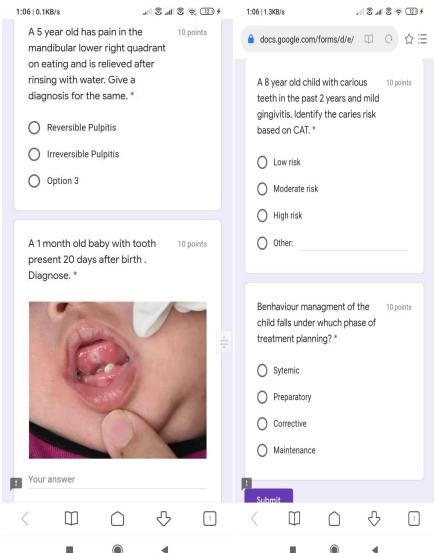




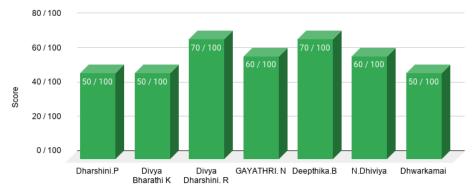








#### **Case History Quiz**



Name

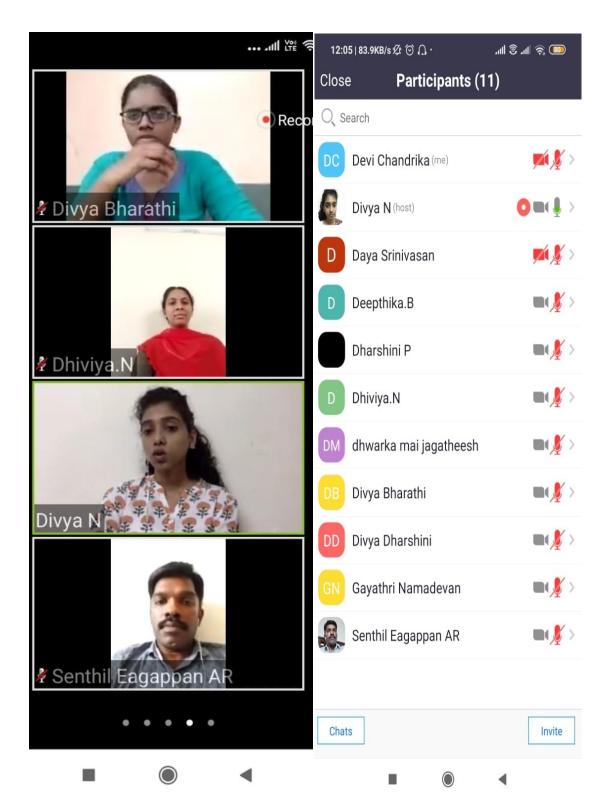














#### THIRD YEAR E-CLINICS

Topic : Chairside Behavior Management Techniques

Date :22.05.20

Time :12.00- 1.00.PM

Faculty :Dr. Devi

Instructor

Faculty :Dr.Divya, Dr.Senthil, Dr. Daya and

Attended

Students: Third years 7/7

Batch :B2 Absentee :1

Platform :ZOOM

zoom

Join our Cloud HD Video Meeting now

Zoom is the leader in modern ent... us04web.zoom.us

Devi Chandrika is inviting you to a scheduled Zoom meeting.

Topic: Third year E- clinics

Time: May 22, 2020 12:00 PM Mumbai,

Kolkata, New Delhi

Join Zoom Meeting

https://us04web.zoom.us/j/79399837291 ?pwd=K0tYMnh1c1ZFbTJpVzNsVUVTOW dhQT09

Meeting ID: 793 9983 7291

Password: pedo 10:29 4//





Chairside Non-pharmacological Beha Management Of Children







Devi Chandrika

You are screen sharing 🔘 Stop Share

DR. DEVI CHANDRIKA
DEPARTMENT OF PEDODONTICS

CLASSIFICATION OF BEHAVIOUR AS OB.

IN DENTAL CLINIC





### Frankl's behavior rating scale

#### Rating 1: definitively negative(--)

- Refusal of R<sub>i</sub>
- Crying forcefully, fearful / any other over extreme negativism.



#### Rating 2 : negative(-)

- Reluctant to R
- Un cooperative, some evidence of negative attitude but not pronounced.

You are screen sharing ○ ⊘ ■ Stop Share

Behavior management can be achieved by basically two methods:

## A- Non pharmacological methods

- 1 Communication.
- 2 Tell-show do technique.
- 3 Modelling.
- 4Positive and negative reinforcement
- 5-Distraction
- 6-Voice control
- 7-Retraining
- 8 HAND OVER MOUTH TECHNIQUE
- 9 Physical immobilization



Remaining Meeting Time: 09:00 💿 🔊 🔳 Stop Share



## Physical immobilization:-

Are used to provide partial or complete immobilizati protect the patient and dental staff from injury while p care, this is done by:-

- Active restraints dentist/staff/parents
- Physical restraints
  - Papoose board
  - Triangular sheet
  - Pedi wrap
  - Mouth prop or bite block



Remaining Meeting Time: 04:42 ○ ⑤ ⑤ ■ Stop Share

# 8-Aversive Conditioning - Lenchner & Wright

- Extremely negative behavior
- Use of something unpleasant, or a punishment, to stop an unwanted behavior
- · Parent consent should be obtained

Two common methods used are:

**HOME** 

Physical Restraints

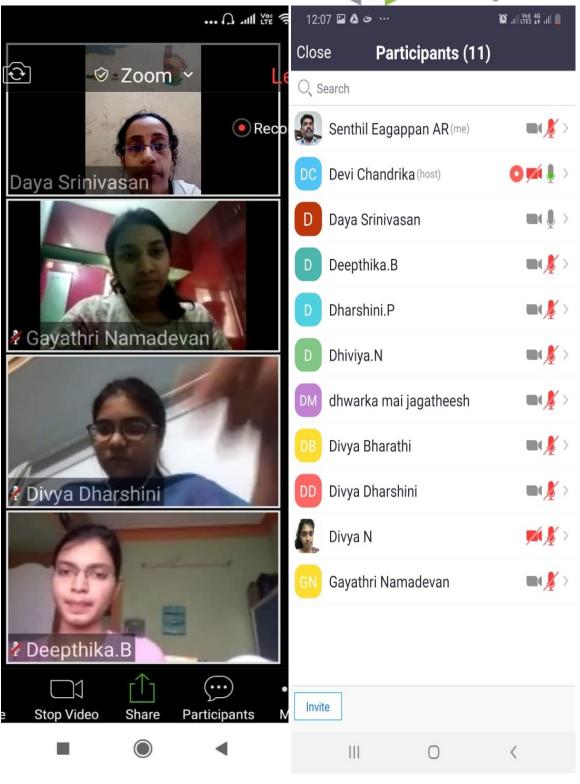


Remaining Meeting Time: 03:56 ○ ♦ S ■ Stop Share











#### DEPARTMENT OF PEDODONTICS & PREVENTIVE DENTISTRY

#### THIRD YEAR E-CLASS

Topic : Classical Conditioning and Operant Conditioning Theory

Date :22.05.20

Time :08.40- 9.30.AM

Faculty :Dr.Divya

Instructor

Faculty :Dr. Senthil, Dr. Daya and Dr. Devi

Attended

Students: Third years 76/91

Total no. of students/Batch: Regular: 82, Supplementary:9

Absentee :7

Platform :ZOOM



Join our Cloud HD Video Meeting now

Zoom is the leader in modern ent... us04web.zoom.us

Divya N is inviting you to a scheduled Zoom meeting.

Topic: Classical and Operant Conditioning

Theories E-Class

Time: May 22, 2020 08:45 AM Mumbai,

Kolkata, New Delhi

Join Zoom Meeting

https://us04web.zoom.us/j/71951579341 ?pwd=Sk1GRnVESTNJbHNaV001ekxnSVV oQT09

Meeting ID: 719 5157 9341

Password: pedo

06:44







# THEORIES OF CHILD PSYCHOLOGY

DEPARTMENT OF PEDIATRIC DENTISTRY Dr.Divya.N.

**◆** / □ **→** 

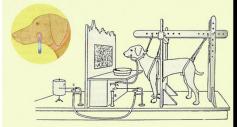
You are screen sharing ○ ⊘ ■ Stop Share

# CLASSIC CONDITIONING

Talking: Divya N

- The people who fed Pavlov's dogs wore lab coats. Pavlov noticed that the dogs began to drool whenever they saw lab coats, even if there was no food in sight.
- Pavlov wondered why the dogs salivated at lab coats, and not just at food.
- He ran a study in which he rang a bell every time he fed the dogs.
- Pretty soon, just ringing a bell made the dogs salivate.

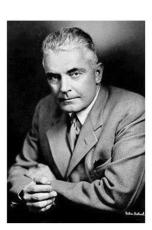


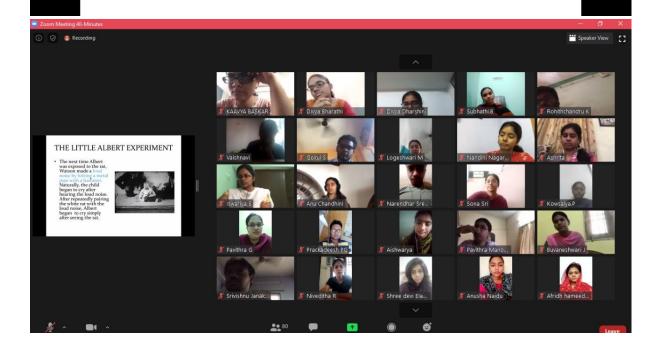




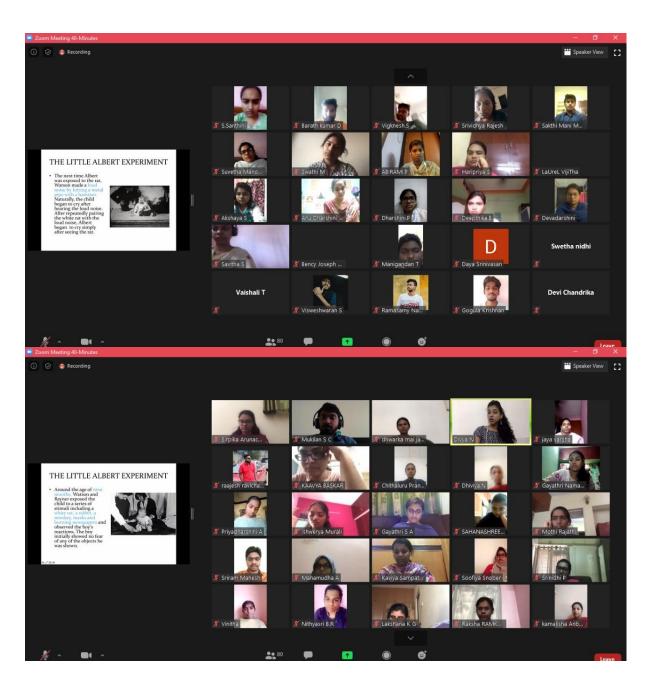
# CLASSICAL CONDITIONING IN HUMANS: THE LITTLE ALBERT EXPERIMENT

- John B. Watson
- The participant in the experiment was a child that Watson and Rayner called "Albert B.", but is known popularly today as Little Albert.

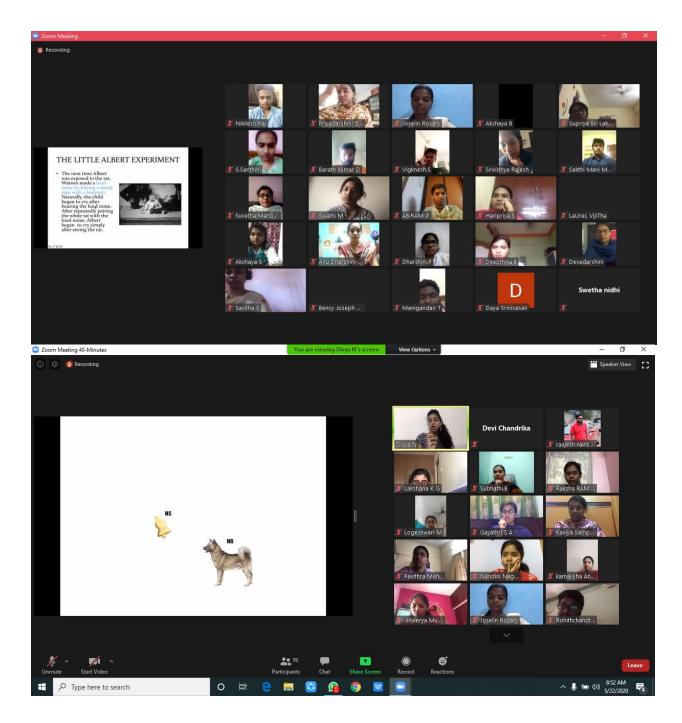




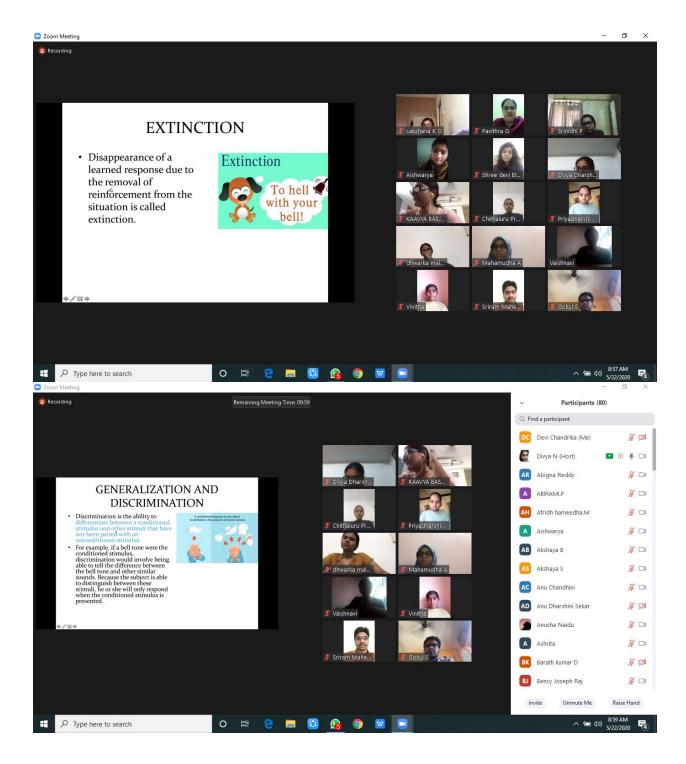
















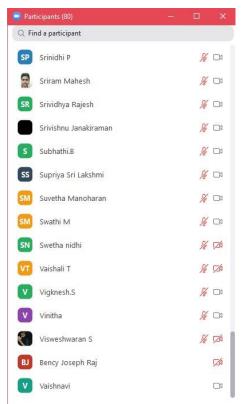


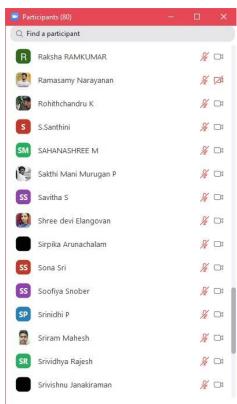














% Th

% D

% D

% DI

% D

% D

% D

% D

% 01

% D

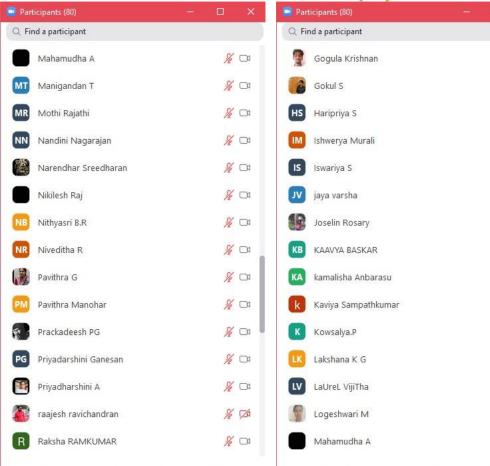
% D

% DI

% TA

% D

% D



# Absentees List : Regular Batch

Mathanarajan A
Aadhya B
Aatheef Ahmed A
Amira Moosa
Bavadharini S
Deepthika B
Kanishka Nandhini R
Kavya Priyadharshini
Maheshwaran S
Prathosh K
Sneha S
Srinivasa Ragavan N
Vignesh M K

#### **Supplementary Batch:**

Saranya J Aakash

Total attended: 76



#### DEPARTMENT OF PEDODONTICS & PREVENTIVE DENTISTRY

#### THIRD YEAR E- CLINICS

Topic :Class II Cavity Preparation in Primary Teeth

Date :23.05.20

Time :12.00- 1.00.PM

Faculty :Dr. Daya

Instructor

Faculty :Dr.Senthil, Dr.Divya and Dr. Devi

Attended

Students :Third years 7/7

Batch :B2 Absentee :1

Platform : ZOOM

Daya Srinivasan is inviting you to a scheduled Zoom meeting.

Topic: Daya Srinivasan's Zoom Meeting Time: May 23, 2020 12:00 PM India

Join Zoom Meeting

https://us04web.zoom.us/j/6664598002 ?pwd=z\_NJGfjZjxt-7i38QxP9jDM514c

Meeting ID: 666 459 8002

Password: pedo 08:59



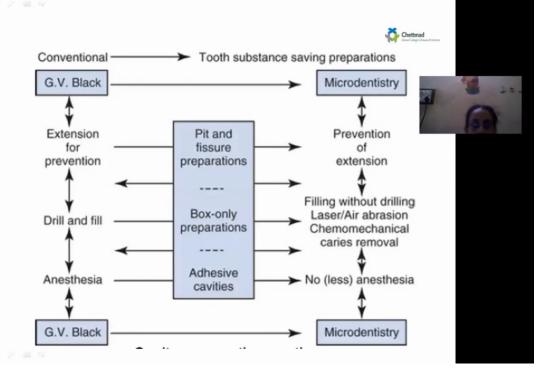




# Class II cavity preparation for primary molars

e-Learning clinical class Department of Pediatric & Preventive Den∛istry

Dr Daya Srinivasan





Chettand Intelliging Reportion

# Partial vs total

Partial tunnel	Total tunnel
More resistant to #	Less resistant to #
The partial tunnel preparation extends to the proximal surface into the cavitation, where enamel disintegrated during cavity preparation	Proximal area is perforated
Leaving the demineralized enamel is controversial	Demineralised enamel is removed
Tunnel preparation	



# **Tunnel preparation**

