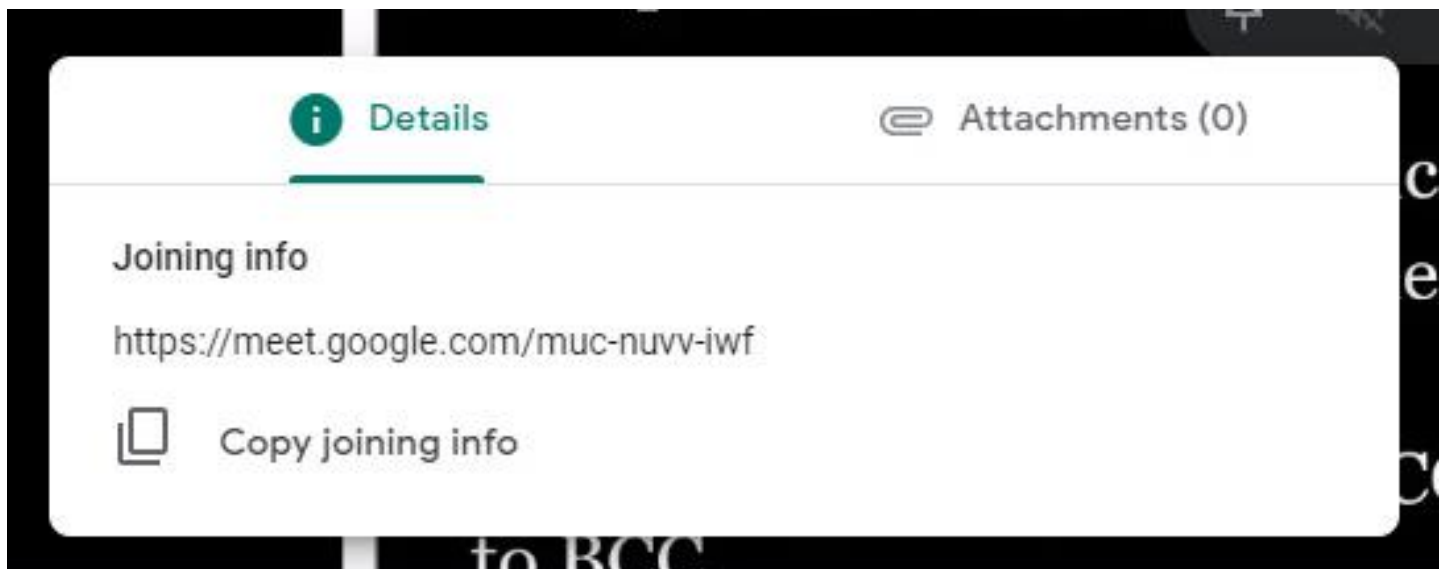


**DEPARTMENT OF ORTHODONTICS AND DENTOFACIAL ORTHOPAEDICS**

**E-Teaching/Learning sessions for Post Graduate**

**Post Graduate academic schedule**

DATE	TOPIC	PRESENTER
15.06.2020	All about archwire	Dr.Annamalai-Guest lecture-SRM dental college





pubmed - Google Search | third molar extraction and ortho... | Meet - muc-nuvv-iwf

meet.google.com/muc-nuvv-iwf

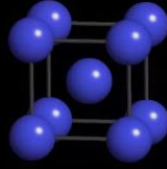

Anna Malai is presenting

Anitha Nallusamy and 34 more

10:12 AM

## Classification of SS

Lattice arrangement of the atoms in Iron at Room temperature is Body Centered Cubic (BCC).



Ferritic Stainless steel.

Participants: Anna Malai, sangs ortho, Dr. Krishnaraj Rajar..., S.Baala Gopal, arvind sam, Dilip S, sachin Bhat, HoD Orthodontics..., sangeetha guhan

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Anna Malai is presenting

BINU GOLD and 33 more

10:13 AM

- **Ferritic Stainless steel**
- Least carbon content – due to the BCC structure.
- Ferromagnetic.
- Limited strength and corrosion resistance.
- Not favoured.

Participants: Anna Malai, sachin Bhat, AVAARASA PETHURAI, Vijayalakshmi Peth..., Rasiga Gandhi, Tamanna Hoque, nishanth sivakumar, HoD Orthodontics..., Mayma Nathasha

Meeting details

Turn on captions

Anna Malai is presenting



Anna Malai is presenting

Meeting details

People (45) Chat

- naveen natarajan (You)
- Anitha Nallusamy
- Anna Malai
- Anna Malai (Presentation)
- Aravind Haridas
- arvind sam
- azmina idaayath
- BINU GOLD
- Dilip S
- Dr somya Wilson
- Dr. Krishnaraj Rajaram

- **Ferritic Stainless steel**
- Least carbon content – due to the BCC structure.
- Ferromagnetic.
- Limited strength and corrosion resistance.
- Not favoured.

Anna Malai | sachin Bhat | Vijayalakshmi ... | Rasiga Gandhi | Tamanna Hoque | nishanth sivak... | HoD Orthodont...

Search here | ENG IN | 10:14 AM | 6/15/2020

Anna Malai is presenting

and 36 more

10:15 AM

You

Anna Malai

AYALAKSA PETHURAJ

Vijayalakshmi Pethuraj

Rasiga Gandhi

T

Tamanna Hoque

nishanth sivakumar

- Steel in this face centered cubic structure [FCC] is called **austenite**, named after the British metallurgist – **Robert Austen**.
- This phase is stable only at high temperatures.
- Excellent corrosion resistance, Least Ferromagnetic.
- High strength – due to higher carbon content.
- On cooling the austenite (FCC) slowly – reverts back to BCC.

Meeting details

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Anna Malai is presenting

yamini jeyaraj and 36 more

48 10:19 AM You

## Classification of SS

- At Room temp – BCC – Ferritic SS
- At High temp – FCC – Austenitic SS
- On Quenching – BCT – Martensitic SS

Rasiga Gandhi Tamanna Hoque

nishanth sivakumar HoD Orthodontics ...

Mayma Nathasha Priyanga Ravi

Search here

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Anna Malai is presenting

sola rajan and 37 more

49 10:22 AM You

## A typical composition of the alloy consists of

- 71% iron, - IRON
- 0.2% carbon, - STEEL
- 18% chromium, - STAINLESS STEEL
- 8% Nickel, - AUSTENITIC SS
- 18 – 8 Stainless steel

Rasiga Gandhi Tamanna Hoque

nishanth sivakumar HoD Orthodontics ...

Dr. Krishnaraj Rajar... Priyanga Ravi

Mayma Nathasha

Search here

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Anna Malai is presenting

Press F11 to exit full screen

- Since the core is a glass, the following should be kept in mind when we put it to clinical use:
  - 1. Unlike metals, glass does not have any plastic deformation.
  - 2. Contrary to the common belief, glass in fiber forms are flexible.
  - 3. The tensile strength is up to 70 % of metals.
- Available in 0.017" and 0.021" - Ormco

Meeting details

Turn on captions

Anna Malai

Participants: Jeyaram Jerry, Vijayalakshmi Pethuraj, Rasiga Gandhi, Tamanna Hoque, nishanth sivakumar, suvetha siva, SRISHTI SYAL, davis devasahayam

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meet.google.com/muc-nuvv-iwf

Anna Malai is presenting

kavi chithraa and 36 more

## Limitations

- Metal ligatures – leads to fracture of optiflex a/w
- Bends cannot be given
- Usage of sharp instruments may damage the wire
- Advantages
  - The most esthetic wire... remains clear in vivo...
  - No need to cinch the distal end .... The friction between the outer core and the bracket holds the wire.

Participants: Jeyaram Jerry, Vijayalakshmi Pethuraj, Rasiga Gandhi, Tamanna Hoque, nishanth sivakumar, suvetha siva, SRISHTI SYAL, yamini jeyaraj

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**DEPARTMENT OF ORTHODONTICS AND DENTOFACIAL ORTHOPAEDICS**

**E-Teaching/Learning sessions for Post Graduate**

**Post Graduate academic schedule**

DATE	TOPIC	PRESENTER	PARTIPANTS
16.06.2020	Debate- Mand.Third molar- Extraction versus Non extraction	Dept of orthodontics	15


**Navin N's Personal Meeting Room**

Meeting ID 942 393 2361

Host Navin N (You)

Password 55555

Invite Link <https://us04web.zoom.us/j/9423932361?pwd=a1pEeTQwU3RrOEVmOUNHWWE83Rk0wQT09>

 [Copy Link](#)

Participant ID 216626

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Participants (15)

Find a participant

- Navin N (Host, me)
- priyadarshini
- Anitha Nallusamy
- Dr. Varu
- Gokul Raj
- Joshua Stalin
- Nivethitha Bhaskar
- Priyanga Ravi
- S.Baalagopal
- Sagaya Mary
- Saravanakumar Subramanian
- Somya Wilson
- Sriman Vishnu
- SUSHMITHA RAM
- Yamini Jeyaraj



Invite

Mute All

Windows taskbar with search bar, task view, and various application icons. System tray shows date and time: 11:23 AM 6/16/2020.

Zoom Meeting

Recording...

00:01:04

Zoom meeting grid showing 15 participants in a 4x4 layout. Participants include Gokul Raj, Navin N, Joshua Stalin, priyadarshini, Sagaya Mary, SUSHMITHA RAM, Saravanakumar Subramanian, Nivethitha Bhaskar, Yamini Jeyaraj, Somya Wilson, S.Baalagopal, Priyanga Ravi, Sriman Vishnu, Anitha Nallusamy, and Dr. Varu. Somya Wilson's video is highlighted with a green border.

Windows taskbar with search bar, task view, and various application icons. System tray shows date and time: 11:04 AM 6/16/2020.



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Dental College & Research Institute

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**TEAM A**

- 1.Dr.Joshua
- 2.Dr.Anitha
- 3.Dr.Varalakshmi
- 4.Dr.Sriman
- 5.Dr.Sagaya
- 6.Dr.Balagopal

**TEAM B**

- 1.Dr.Somya
- 2.Dr.Priyadarshini
- 3.Dr.Navin
- 4.Dr.Priyanga
- 5.Dr.Gokul raj

Department of Orthodontics, CCRRI  
Smile\*Sparkle\*Shine

Saravanakumar Subram...  
Navin N  
Joshua Stalin  
Sriman Vishnu

Zoom Meeting    Recording...    Remaining Meeting Time: 06:39 | Upgrade to Pro    00:33:19

SUSHMITHA RAM   Navin N   Dr. Varu   Gokul Raj   Priyanga Ravi

S.Baalagopal   Somya Wilson   Sagaya Mary   priyadarshini   Anitha Nallusamy

Yamini Jeyaraj   Joshua Stalin   Nivethitha Bhaskar   Saravanakumar Subram...   Sriman Vishnu





**Chettinad**

Dental College & Research Institute



## DEPARTMENT OF ORTHODONTICS AND DENTOFACIAL ORTHOPAEDICS

### E-Teaching/Learning sessions for Post Graduate


#### Post Graduate academic schedule

DATE	TOPIC	PRESENTER	PARTIPANTS
16.06.2020	Debate- Mand.Third molar-cause for mand.Ant.Crowding	Dept of orthodontics	17

 Zoom Meeting 40-Minutes

 Recording

### Gokul Raj's Personal Meeting Room

Meeting ID	993 111 3542
Host	Gokul Raj
Password	ortho
Numeric Password (Telephone/Room Systems)	796674
Invite Link	<a href="https://us04web.zoom.us/j/9931113542?pwd=ZTdQQnJZTkhwSjA3YjFNaDk4N3pvQT09">https://us04web.zoom.us/j/9931113542?pwd=ZTdQQnJZTkhwSjA3YjFNaDk4N3pvQT09</a>  <a href="#">Copy Link</a>
Participant ID	516804

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Zoom Meeting 40-Minutes



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Find a participant

- Navin N (Me)
- Gokul Raj (Host)
- Anitha Nallusamy
- Annamalai Orthodontist
- Dr. Varu
- Joshua Stalin
- Nivethitha Bhaskar
- Prema Anbarasu
- Priya Darshini
- Priyanga Ravi
- S.Baalagopal
- Sagaya Mary
- Saravanakumar Subramanian
- Somya Wilson
- Sriman Vishnu

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Participants (17)

Find a participant

- Anitha Nallusamy
- Annamalai Orthodontist
- Dr. Varu
- Joshua Stalin
- Nivethitha Bhaskar
- Prema Anbarasu
- Priya Darshini
- Priyanga Ravi
- S.Baalagopal
- Sagaya Mary
- Saravanakumar Subramanian
- Somya Wilson
- Sriman Vishnu
- SUSHMITHA RAM
- Yamini Jeyaraj

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**TEAM A**

1. Dr. Joshua  
2. Dr. Anitha  
3. Dr. Varalakshmi  
4. Dr. Sriman  
5. Dr. Sagaya  
6. Dr. Balagopal

Third molar has influence in Late mandibular Incisor crowding

**TEAM B**

1. Dr. Somya  
2. Dr. Priyadarshini  
3. Dr. Navin  
4. Dr. Priyanga  
5. Dr. Gokul raj

NO! Third molar has no influence in Late mandibular Incisor crowding

DEBATE!

Department of Orthodontics, CDRH  
Smile\*Sparkle\*Shine

Navin N  
Gokul Raj  
Nivethitha Bhaskar  
Joshua Stalin

Search here    ENG IN    9:52 AM    6/17/2020

Zoom Meeting 40-Minutes    00:01:27    Speaker View

Recording

Gokul Raj    Navin N    Sriman Vishnu    S. Baalagopal    Priyanga Ravi

Sagaya Mary    SUSHMITHA RAM    Anitha Nallusamy    Somya Wilson    Nivethitha Bhaskar

Saravanakumar Subra...    Prema Anbarasu    Annamalai Orthodontist    Yamini Jeyaraj    Dr. Varu

Priya Darshini    Joshua Stalin

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Zoom Meeting 40-Minutes

You are viewing Sagaya Mary's screen

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00:07:00

Speaker View

## INFLUENCE OF 3<sup>RD</sup> MOLAR ON DENTAL ARCH CROWDING

TEAM A

Gokul Raj	Navin N	Sriman Vishnu	S.Baalagopal
Priyanga Ravi	Sagaya Mary	SUSHMITHA ...	Anitha Nallusamy
Somya Wilson	Nivethitha Bh...	Saravanakum...	Prema Anbar...
Annamalai O...	Yamini Jeyaraj	Dr. Varu	Priya Darshini
Joshua Stalin			

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Participants 17

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Recording

00:07:45

## INTRODUCTION

- The effect of third molar retention on incisor crowding has been investigated for over 140 years.
- CROWDING is defined as loss of arch perimeter which can be manifested in the arch by closure of space.
- Van der Linden (1974) classified crowding on the basis of etiology
  - ✓ primary crowding (Genetic origin)
  - ✓ secondary crowding (environment origin)
  - ✓ tertiary crowding/late crowding (develops in Late teen)
- Crowding is common in the incisor area, particularly in the lower jaw after the age of 12 to 13 years (approximately 20 percent, according to Helm).

Gokul Raj	Navin N	Sriman Vishnu	S.Baalagopal
Priyanga Ravi	Sagaya Mary	SUSHMITHA ...	Anitha Nallusamy
Somya Wilson	Nivethitha Bh...	Saravanakum...	Prema Anbar...
Annamalai O...	Yamini Jeyaraj	Dr. Varu	Priya Darshini
Joshua Stalin			

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00:22:19 Speaker View

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3<sup>rd</sup> MOLAR EXTRACTION & INCISAL CROWDING

TEAM B

- Dr. Somya
- Dr. Priyadarshini
- Dr. Navin
- Dr. Priyanga
- Dr. Gokul Raj

Participants: 17

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00:25:09

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1979 : "...there is little rationale, based on present evidence, for the extraction of third molars solely to minimize present or future crowding of lower anterior teeth, either in orthodontic or non-orthodontic patients.' Numerous review papers on the subject have arrived at more or less the same conclusion.

1997 : The National Health Services Centre for Reviews and Dissemination, at the University of York in the United Kingdom : "... is not significant enough to warrant removing third molars for the prevention of incisor crowding.' Statements such as these diminish the role of the third molar in the development of late crowding

Ref: Consensus. Removal of Third Molars. National Institute of Health Consensus Development Conference Summary, New York 1979; 2, 11.  
Ref: Song F, Landes DP, Glenn A-M, Sheldon TA. Prophylactic removal of impacted third molars: an assessment of published reviews. Br Dent J 1997; 182: 339-346.

Participants: 17

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**DEPARTMENT OF ORTHODONTICS AND DENTOFACIAL ORTHOPAEDICS**

**E-Teaching/Learning sessions for Post Graduate**

**Post Graduate academic schedule**

DATE	TOPIC	PRESENTER	PARTIPANTS
18.06.2020	Debate- congenital missing lateral incisor-canine substitution vs prosthetic replacement	Dept of orthodontics	17



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Participants (17)

Find a participant

SM

Sagaya Mary

+ 🔇 🗑

AN

Anitha Nallusamy

🔇 🗑

Annamalai Orthodontist

🔇 🗑

BG

Baala Gopal

🔇 🗑

Dr. Varu

🔇 🗑

Joshua Stalin

🔇 🗑

Nivethitha Bhaskar

🔇 🗑

Prema Anbarasu

🔇 🗑

P

priyadarshini

🔇 🗑

Priyanga Ravi

🔇 🗑

Saravanakumar Subramanian

🔇 🗑

Somya Wilson

🔇 🗑

Sriman Vishnu

🔇 🗑

SUSHMITHA RAM

🔇 🗑

Yamini Jeyaraj

🔇 🗑

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Participants

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Participants (17)

Find a participant

Navin N (Me)

🔇 🗑

Gokul Raj (Host)

🔇 🗑

SM

Sagaya Mary

+ 🔇 🗑

AN

Anitha Nallusamy

🔇 🗑

Annamalai Orthodontist

🔇 🗑

BG

Baala Gopal

🔇 🗑

Dr. Varu

🔇 🗑

Joshua Stalin

🔇 🗑

Nivethitha Bhaskar

🔇 🗑

Prema Anbarasu

🔇 🗑

P

priyadarshini

🔇 🗑

Priyanga Ravi

🔇 🗑

Saravanakumar Subramanian

🔇 🗑

Somya Wilson

🔇 🗑

Sriman Vishnu

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Zoom Meeting 40-Minutes

00:09:41

Speaker View

 Gokul Raj	 Navin N	priyadarshini	 Joshua Stalin
Baala Gopal	 Saranakumar Subra...	 Priyanga Ravi	 Somya Wilson
 Yamini Jeyaraj	Sagaya Mary	 Nivethitha Bhaskar	Anitha Nallusamy
 SUSHMITHA RAM	 Annamalai Orthodontist	 Dr. Varu	 Sriman Vishnu

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CONGENITAL MISSING LATERAL PPT - PowerPoint

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**CONGENITAL MISSING LATERAL INCISORS RESTORATIVE REPLACEMENT**

TEAM A

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Joshua Stalin

Navin N

Baala Gopal

Anitha Nallusamy

Gokul Raj

priyadarshini






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## INTRODUCTION

- **Tooth agenesis**
  - Syndromic
  - Non syndromic
- Syndromic tooth agenesis refers to complex developing syndromes associated with a congenitally missing teeth
- More than 60 syndromes of Mendelian Inheritance are associated with agenesis.
- Non-syndromic tooth agenesis involves a congenitally missing tooth in an isolated form, without an association with any other major birth defects



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Grid of participants: Gokul Raj, Navin N, priyadarshini, Joshua Stalin, Baala Gopal, Saravanakum..., Priyanga Ravi, Somya Wilson, Yamini Jeyaraj, Sagaya Mary, Nivethitha Bh..., Anitha Nallusamy, SUSHMITHA ..., Dr. Varu, Sriman Vishnu, Prema Anbar..., Annamalai O...

Zoom Meeting 00:04:31

## KOKICH IMPLANT GUIDELINES (2004)

### ADEQUATE IMPLANT SPACE

- Congenitally missing 1 maxillary lateral incisor- **contralateral lateral incisor**
- Congenitally missing both laterals - 2 factors: **aesthetics and occlusion**
- Golden proportion
- 1.4 mm would exist between the implant and the adjacent roots
- Most central incisors are about 9 mm wide, the width of the lateral incisor space should be no less than 6 mm
- Interproximal re...



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Maxillary Lateral Incisor Implants: Planning With the Aid of Orthodontics Vincent G. Kokich, 2004

Grid of participants: Anitha Nallusamy, Navin N, Saravanakum..., Sriman Vishnu, Sagaya Mary

Windows taskbar: Search here, 99+, Ps, 10:18 AM 6/18/2020



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Gokul Raj Navin N priyadarshini Joshua Stalin Baala Gopal

Saravanakumar Subr... Priyanga Ravi Somya Wilson Yamini Jeyaraj Sagaya Mary

Nivethitha Bhaskar Anitha Nallusamy SUSHMITHA RAM Dr. Varu Sriman Vishnu

Prema Anbarasu Annamalai Orthodon...

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Zoom Meeting 00:08:41

**CORRECTING LOSS OF PAPILLA DURING SPACE OPENING**

- When the canine erupts adjacent to the maxillary central incisor there is 1 papilla between these teeth.
- When space is opened for the missing lateral incisor there must be 2 papillae created
- Depends on the age of the patient and the direction of the tooth movement.
- Lack of tooth eruption jeopardizes the formation of papilla

Sriman Vishnu Saravanakuma... Joshua Stalin Priyanga Ravi

priyadarshini Dr. Varu Anitha Nallusamy Sagaya Mary

Somya Wilson

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## DEPARTMENT OF ORTHODONTICS AND DENTOFACIAL ORTHOPAEDICS

### E-Teaching/Learning sessions for Post Graduate

#### Post Graduate academic schedule

DATE	TOPIC	PRESENTER	PARTIPANTS
19.06.2020	Debate-Palatal expansion in adults-surgical vs non surgical approach	Dept of orthodontics	17

 Zoom Meeting 40-Minutes




#### **Baala Gopal's Personal Meeting Room**

Meeting ID 304 224 0652

Host Baala Gopal

Password 11111

Invite Link <https://us04web.zoom.us/j/3042240652?pwd=Qjl0VEMxZDc3Mm9sOTJQRFRm53UT09>

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Participant ID 510211

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Participants (16)

Find a participant

Navin N (Me)

Baala Gopal (Host)

Anitha Nallusamy

Sriman Vishnu

Annamalai Orthodontist

Dr. Varu

Gokul Raj

Joshua Stalin

Nivethitha Bhaskar

Prema Anbarasu

priyadarshini

Priyanga Ravi

Sagaya Mary

Saravanakumar Subramanian

SUSHMITHA RAM

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Participants (16)

Find a participant

Baala Gopal (Host)

Anitha Nallusamy

Sriman Vishnu

Annamalai Orthodontist

Dr. Varu

Gokul Raj

Joshua Stalin

Nivethitha Bhaskar

Prema Anbarasu

priyadarshini

Priyanga Ravi

Sagaya Mary

Saravanakumar Subramanian

SUSHMITHA RAM

Yamini Jeyaraj

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6/19/2020

27





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00:29:45      Speaker View

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### Surgical method

Participants (16): Priyanga Ravi, Navin N, priyadarshini, Baala Gopal, Nivethitha Bha..., Sagaya Mary, SUSHMITHA R..., Prema Anbarasu, Gokul Raj, Dr. Varu, Anitha Nallusamy, Saravanakuma..., Yamini Jeyaraj, Sriraman Vishnu, Joshua Stalin, Annamalai Ort...

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00:05:09      Enter Full Screen

## INTRODUCTION

- Treatment option in children & adolescent
- Diagnosis of arch width
- How the maxilla expand?

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Limitations of orthopedic expansions in skeletally mature patients.

- Lateral tipping of posteriors
- extrusion
- Periodontal membrane compression
- Buccal root resorption
- Alveolar bone bending
- Palatal tissue necrosis
- Fenestrations of buccal cortex
- Instability to open malocclusal sutures and pain
- Instability of expansion

Participants: Priyanga Ravi, Navin N, priyadarshini, Baala Gopal, Nivethitha Bha..., Sagaya Mary, SUSHMITHA R..., Prema Anbarasu, Gokul Raj, Anitha Nallusamy, Saravanakuma..., Yamini Jeyaraj, Sriman Vishnu, Joshua Stalin, Annamalai Ort..., Dr. Varu

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Zoom Meeting | You are viewing priyadarshini's screen | View Options | 00:31:27 | Speaker View

Recording

Indications

- Widen maxillary hypoplasia associated with cleft of palate
- To increase maxillary arch perimeter, to correct posterior crossbite in adults.
- To overcome resistance of suture when orthopedic expansion failed
- To relieve maxillary crowding (non extraction)
- Expansion of more than 5mm

Participants: Priyanga Ravi, Navin N, priyadarshini, Baala Gopal, Nivethitha Bha..., Sagaya Mary, SUSHMITHA R..., Prema Anbarasu, Gokul Raj, Anitha Nallusamy, Saravanakuma..., Yamini Jeyaraj, Sriman Vishnu, Joshua Stalin, Annamalai Ort..., Dr. Varu

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Zoom Meeting | You are viewing priyadarshini's screen | View Options

00:34:07 | Speaker View

### Surgical approach

- ❖ Segmental osteotomy approach is the preferred choice for correction of MTD when a single surgical procedure is planned to correct all maxillo-mandibular discrepancies.
- Vertical and sagittal repositioning of the maxilla and the mandible can be done at the same time when correction of MTD is done with segmental osteotomy.
- ❖ SARPE- used for patients with an isolated transverse deficiency when OME is not indicated. Sometimes correction of MTD is done as a first step with SARPE and a separate second surgery is necessary for discrepancies of the maxilla and the mandible in the other planes of space.

Palate Expanders

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### Surgically Assisted Rapid Palatal Expansion An Acoustic Rhinometric, Morphometric and Sonographic Investigation

Sudhakar Vothu, Martin Kuttel, et al. | Journal of Orofacial Orthopedics / Fortschritte der Kieferorthopädie

This study aimed to evaluate the effect of surgically assisted rapid palatal expansion on the skeletal structures of the midface. Ten patients (mean age 28.5 years) were investigated by means of acoustic rhinometry, study model analysis and sonography before and after the procedure of surgically assisted rapid palatal expansion. The measurements revealed that surgically assisted rapid palatal expansion not only resulted in transverse expansion of the maxilla, providing dental arch space for lining up the teeth; the procedure also caused a substantial enlargement of the maxillary apical base and of the palatal vault, providing space for the tongue for correct swallowing and thus preventing relaps. There was a distinct subjective improvement in nasal breathing associated with enlargement of the nasal valve towards normal values and with an increase of nasal volume in all compartments.

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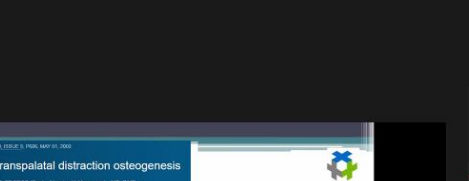
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













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 Priyadarshini	 Navin N	 Baala Gopal
 Priyanga Ravi	 Sagaya Mary	 Gokul Raj
 Nivethitha Bha...	 SUSHMITHA R...	 Joshua Stalin
 Anitha Nallusamy	 Vamini Jeyaraj	 Sriman Vishnu
 Annamalai Ort...	 Dr. Varu	 Prema Anbarasu
 Sarananakuma...	 Sarananakuma...	 Sarananakuma...

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## DEPARTMENT OF ORTHODONTICS AND DENTOFACIAL ORTHOPAEDICS

### E-Teaching/Learning sessions for Post Graduate


#### Post Graduate academic schedule

DATE	TOPIC	PRESENTER	PARTIPANTS
12.06.2020	Debate-Mini plate versus mini screw	Dept of orthodontics	17

 Zoom Meeting 40-Minutes

 Recording

### Baala Gopal's Personal Meeting Room

Meeting ID	304 224 0652
Host	Baala Gopal
Password	11111
Invite Link	<a href="https://us04web.zoom.us/j/3042240652?pwd=Qjl0VEMxZDc3Mm9sOTJQRFRm53UT09">https://us04web.zoom.us/j/3042240652?pwd=Qjl0VEMxZDc3Mm9sOTJQRFRm53UT09</a>  Copy Link
Participant ID	390818

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	Annamalai Orthodontist		
	Dr. Varu		
	Saravanakumar Subramanian		
	Anitha Nallusamy		
	Gokul Raj		
	Joshua Stalin		
	Nivethitha Bhaskar		
	Prema Anbarasu		
	priyadarshini		
	Priyanga Ravi		
	Sagaya Mary		
	Somya Wilson		
	Sriman Vishnu		
	SUSHMITHA RAM		
	Yamini Jeyaraj		

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Participants (17)

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	Navin N (Me)		
	Baala Gopal (Host)		
	Annamalai Orthodontist		
	Dr. Varu		
	Saravanakumar Subramanian		
	Anitha Nallusamy		
	Gokul Raj		
	Joshua Stalin		
	Nivethitha Bhaskar		
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	priyadarshini		
	Priyanga Ravi		
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TEMPORARY SKELETAL ANCHORAGE DEVICES: THE CASE FOR MINISCREWS  
TEAM B

Participants: 15

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Grid of participants:

- Sriman Vishnu
- Navin N
- SUSHMITHA R...
- Gokul Raj
- Sagaya Mary
- Joshua Stalin
- Baala Gopal
- priyadarshini
- Somya Wilson
- Annamalai Ort...
- Saravanakuma...
- Anitha Nallusamy
- Priyanga Ravi
- Yamini Jeyaraj
- Prema Anbarasu

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INTRODUCTION

- Bone - borne temporary anchorage devices (TAD's) have opened a new era in clinical orthodontics by revolutionizing the way anchorage is controlled.
- The use of TAD's for reinforcement of orthodontic anchorage has become increasingly popular in recent years, especially in adult patients who do not want to wear extraoral appliances.
- The major advantage of these skeletal anchorage is that they make it possible to move multiple teeth without loss of anchorage

Participants: 16

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- Navin N
- SUSHMITHA R...
- Gokul Raj
- Sagaya Mary
- Joshua Stalin
- Baala Gopal
- priyadarshini
- Somya Wilson
- Annamalai Ort...
- Saravanakuma...
- Anitha Nallusamy
- Priyanga Ravi
- Yamini Jeyaraj
- Prema Anbarasu
- Dr. Varu

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### APPLICATION

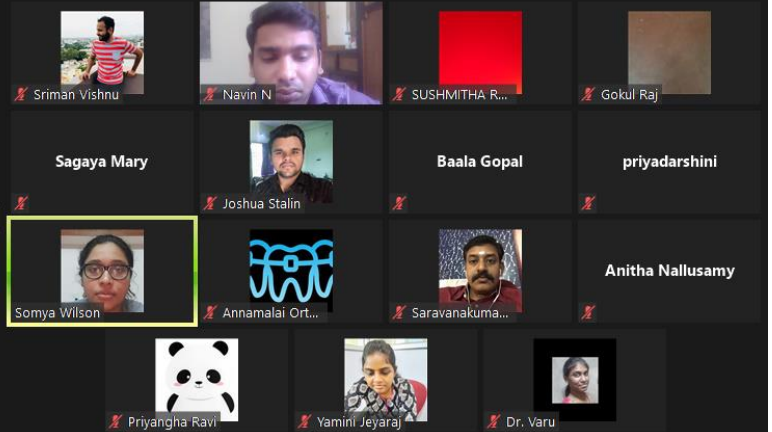
- Non extraction/Molar distalisation
- Enmasse retraction of teeth
- Individual molar/PM distalization
- Can perform without forward movement of the anterior teeth
- Without any deleterious effect on the facial profile
- Less than 3mm distal movement - implant btwn 1<sup>st</sup> molar and 2<sup>nd</sup> pm in maxilla
- More than 3mm - btwn 1<sup>st</sup> and 2<sup>nd</sup> molar on palatal alveolar bone.

Distal movement of maxillary molars using miniscrew anchorage in buccal inter-radicular region  
Katsuya Yamada, Shingo Kumada, Tetsu Deguchi, Tetsuo Takano, Yamamoto; Takashi Yamashiro Angle Orthod 2009;79:78-84

- In non-extraction cases, mini-screws inserted into the buccal inter-radicular space between the second pre-molar and the first molar at an oblique angle were useful and more efficient for moving maxillary molar distally than traditional orthodontic methods

Mini-screw positioned mesial to the activation lock

Mini-screw anchorage system (palatal implant) combined with Distal-Jet



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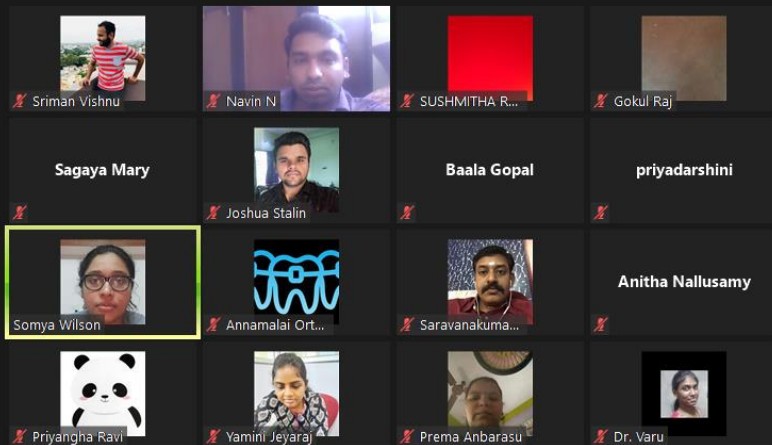
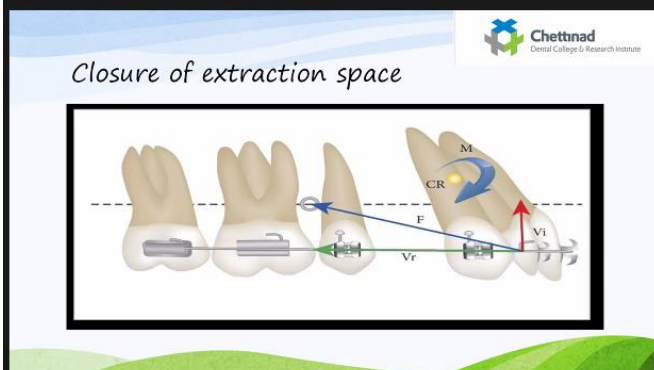
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Speaker View

Umemori et al. reported on two cases of severe skeletal anterior open bite treated with mandibular molar intrusion using miniplates in the posterior mandible. They also showed nine cases with two years post-treatment stability.

Sherwood et al. used miniplates in the zygomatic buttress to intrude maxillary molars and for anterior open bite correction, and a similar approach was taken by Eyverdi et al.

Open bite correction and stability was very similar when treated with miniplates and/or miniscrews


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Zoom Meeting 40-Minutes

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00:09:37

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## Open Bite Treatment

The treatment of skeletal anterior open bite with molar intrusion and counterclockwise mandibular rotation is perhaps one of the earliest reported applications of skeletal anchorage in orthodontics .

By intruding either the maxillary molars, mandibular molars or both, the open bite closes through mandibular autorotation


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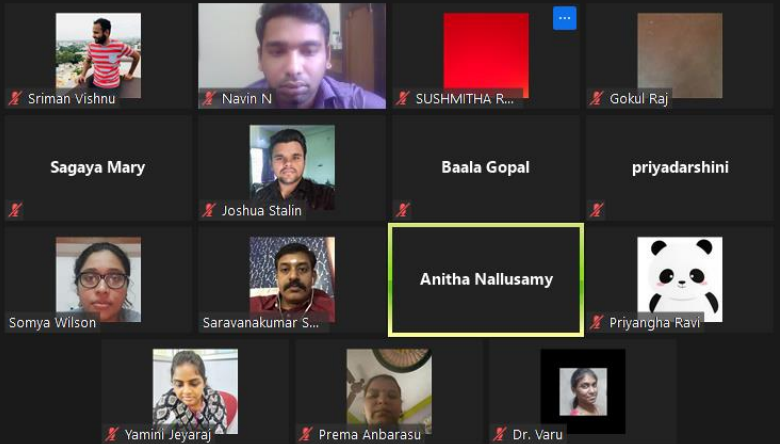
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## TAD – CASES FOR MINIPLATE

TEAM A



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### Advantages of Miniplates

- Miniplates have the advantage of being away from the dental arch, thus avoiding root interference.
- This makes them a very good choice in cases where larger movements are required, especially if they will include the entire dental arch.
- The screws should be placed in a part of the maxilla and/or mandible with good bone quality, allowing for movement of the entire arch but avoiding root interference.

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