

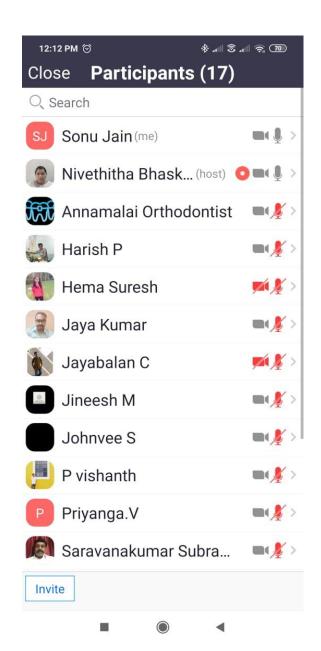
# DEPARTMENT OF ORTHODONTICS AND DENTOFACIAL ORTHOPAEDICS

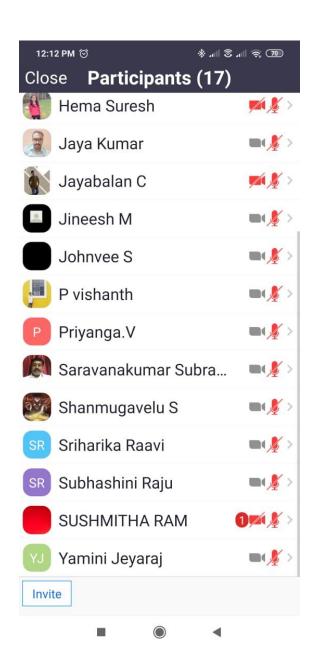
## E-Teaching/Learning sessions for FINAL YEAR STUDENTS

## Theory Discussion

S.No	Date	Clinical discussion topic	Faculty	No of students participate d
1	11.05.2020	Introduction to orthodontics- Orthodontic Triage	Dr. Nivethitha	07

























### **REVISION TEST CONDUCTED**

TOPIC	STUDENTS ATTENDED
Etiology of malocculation Methods of	07
gaining space	

say:

- Production of artistical restrictions
- Descriptions of Modern Applications of Modern Applications of Applications of Applications of automations
- Descriptions of automations

## 1) Proxima shipping

To seath are alleed on sender to reduce the masks - doord midth of the state.

- When collect as standarder, destry

s fallow when our or of the

person to Arian busy

#### Indicables =

- of Casys gralysts shows with took material errors in both.

#### Orthodontics

## Essay:

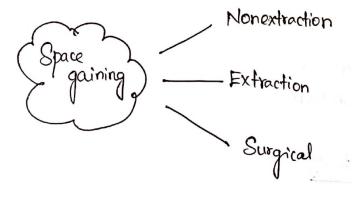
# Methods of gaining Space:

\* Space in Clental arch is required for the resolution of a majority of malocalisions.

\* It is required in

- -> Alignment of crowded teeth
- -> Retraction of proclined teeth
- -> Correction of molar relationship
- -> Leveling the curve of spee
- -> Correction of narrow dental arch
  - -> Intrusion
  - -> Correction of crossbite

It can be gained in Vacious ways.



Non-extraction

-> Arch expansion

-> Molor feeth distalisation

-> proclination of arterior teeth

-> Derotation of posterior teeth

13/8/20. orthodon fire Ecsay . 1. methods of garding space 1. Gres of mylocolyng of Buffer's field skeny 2. Moles distalrization - redigates 4 compligations Econy: 1. Methods of Squing space one divided into & fyper. (i) Porcedures with seduction of Looth making of Pooring stripping or slight \* Expaction (1) procedures without ordyctron of footh my find \* Expansion of 19 sial procling +167 of Dintalization of molen & Denotation of posterior teeth of upoighting. Proximal Adjoping? - It is a method by which porring Surface of tooth one sheet in order to reduce Bestodistal width of teath. The procedure's corned out when myll smooth of space is sequired for alignment of teeth.

ESSAY:- TEST.

1) Methods of gaining space!

in order to move tooth into more ideal locations.

#### \* Methods:

- · Proximal stripping
- . Expansion
  - · Ex-traction
  - · Distilization
  - · Uprighting of molars
    - · Denotation of posterior teeth
- . Prollination of anteriors.

# \* PROXIMAL STRIPPING!-

- · Proximal surfaces of teeth are slived in order to reduce mesio-distal width of teeth.
- · Synonyms Reproximation, slenderization,,
  disking, proximal sliving.
- Diagnostic aids:
  - -> Arch perimeter analysis
  - Bolton's analysis
    - -> Intra-oral periapical radiograph.
  - Amount of proximal stripping:
    - > Not more than 50% of enamely thickness. Should be reduced.

11/05/2020 Ovallocantin

methods of gaining space.

morde to more trek and more ideal locatum.

Spare include:

A - Proximal shipping

B-> Expannos.

(- > Extraction

D-s Distalazation

E -> uprighting of molan

f-> Detotation of posterior techs

67 Rochnah Santur.

A -s Proximal sdipping.

The best are sleed in order to uden the means - destal width often tech.

## Ortho tut: Essay: 1. Method of gaining space: The correction of many malocalurion requires. space in order to more feeth required for sometion of wowding, sutraction in proclined teeth. Planning space is an important papert of treatment method of paining space include. 1. proximal stipping. Expansion 3. Extraction Distalisation 5. uprighting of molau. 6. Dentation of postuior teeth 7. proclination of antiior. PROXIMAL STRIPPING: It is a method by which the proximal surjace of the teeth are alied in order to reduce the muio-distal width of the tuth.

MINICOLLOSION (LASSIFICATION: Maneral factors: \* Heredity \* congential & Environment. a. pre-natal b. port - natal a pre-disporting metabolic climate & disease a Endouire imbalance. b. Metabolic disturbance C. Infections direases \* Abnormal prenue habits & functional Abereations. a. Abnoximal sucking b. Thunds & finger sucking. c. Torque thoust & Torque sucking d. lip & noil biting e- Respiratory Aproamatties. t. Speech defects. g. Tourils & adenoids \* Posture. \* Trauma & accidents. 11) Local factors: Avonalies of Number: super nimerary teeth Mining Leth! \* Anomalies of tooth size. Anomalies of took Shape & Aproxmal latinal fuerum. Premature los of pleciduous took \* Prolonged referrior of deciduous teets. Ankylonis. Dental Caries.

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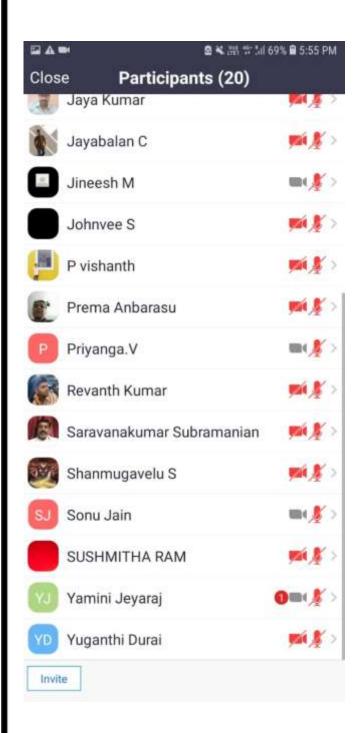
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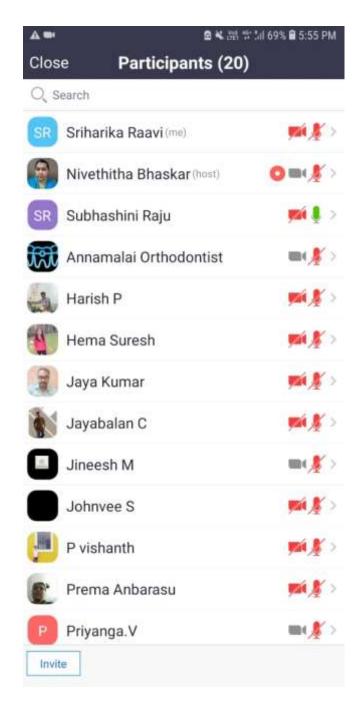
## E-Teaching/Learning sessions for FINAL YEAR STUDENTS

## SEMINAR CLASS

S.NO	DATE	TOPIC	SEMINAR TAKEN BY	NO. of students particip ated	NO. of faculty participat ed
1.	12.05.20	Posterior crossbite	Dr. Subashini	07	06

























### **REVISION TEST CONDUCTED**

TOPIC	STUDENTS ATTENDED
Retention and relapse	07
Anchorage	

Vertradistade

ANCHORACIE

. forth off top bluggers Dy: The nature and degree of resistence to displacement appelled by an anatomic unt when used for the purpose of effecting took moroment.

C'EDA POTAL.

CLIBSSIFI ( MTLOSO)

(1) According to me had relieved to they was hus when I were majored again -

t Entra-oral

-within the mouth

to copy of the party of the party of

of blessed - from Rotter of number

Intra seral:

- aerakel (Nockest maps) ...
- Occupped (Head gos.)
- craval ( 1889 pull heed grans
- Roal ( Pro mover)

### Orthodontics

## Short notes:

# 1) Theories of retontion:

Retention is defined on maintaining newly moved look in a pasition long enough to aid in Stabilizing correction.

\_ Majer.

## Schools of Retention:

> Occlusal School

The Apical base School

The mandibular incisor school

The muscular School

## \* Occlimin School of thought (kinsley)

-> According to this, proper occlusion of teeth is potent factor maintaining Stability of tooth.

-> At the end of active orthodontic treatment there should be proper intercuspation interchigitation.

-> There should be cusp to fossa relationship b/w maxillary & mandibular teath

12/5/20 Orthotostice. GN: 1. Theorems of Refer flog! Theoren 1: north Ast the Sean moved pad to sotum to their former position. Theorem 2 Elmington of Guye of molocclusion will prevent selppse. Theorem 3.1 Malocdaphy should be over-corrected as a safety factor. Theorem 4. Proper occlusion is a portent factor in holding tothe in their consected positions. Theorem 5! Dore & adjacent tissues must be abowed films to seognize around puly postulad keth Meosen 6.1 If the lower incion are placed appright our treal done they are more littlely to senein in good alignment.

# 1. classification of Ancholage. (Moyers):-

\* According to manner of force application: and represent to the section in the

- · simple
- · stationary
- Reciprocal ment of the house
  - \* A coording to jaw involved !-
    - · Intra-maxillary
    - . Inter-maxillary
  - + A wording to site of ancholige:
    - . Intraoral
    - · Extraoral comical
      - occipital
        - transal
      - Facial
    - · Musaular.
  - \* According to rumber of anchorage units:
    - . lingle or primary
    - · compound
    - . multiple or run forced.

## Factors affecting anchorge:

- · Number of roots
- . shape, size, and length of each root.
- . Multinooted > single rooted
- . tonger noted > shorter rooted
- · triangular shaped not > conical or ovoid not
- · larger surface avea & smaller scorface avea.

URTHODONTICS

12/05/2020

Essay

1) clampy anchorage factors afferting anchorage and prevention of anchor loss.

hwopy is brought about by Jorus general by her active components of an arthodoric appliant. The Journ and to more teets is denied from certain anatomic ances, which at as anchors.

claus nation of anchorage:

- a) simple anchorage
  - b) Stationary anchorage
    4 Reupional ancherge
- 4) In ta-maxillary

  6) Inter-maxillary

## Orthodonties.

Short Nota:

1. theorem of Retention:

theorem 1: teeth that have been rumored tend to return to their former position.

theorem 2: Elimination of the cause of malorelation. will parwent outapse.

theorem 3: Malocelusion should be one - corrected as a

Sajety factor

theorem 4: Proper occlision is a potent factor in holding teeth to their correct position.

theorem 5: Bone and adjacent tissue must be allowed. time to reorgania around hurly positioned teeth theorem 6. If the hower incisors are placed upinght over board bone they are more likely to remain in good alignment.

theorem 7: correction comied out during periods of youth our las likely to tellapur.

Clarify Anchorage, enumerate factors affecting anchorage I the methods to prevent anchor loss. Graber has défined anchorage as the Nature of degree of revistance ortho dontics affered by an anatomic but for the prepare displacement of effecting tooth movement. the manner of force application According to 7) Simple anchorage. ii) Stationary anchorage. iii) Reciprocal anchorage. According to Jaws involved: -. 9) Intra - maxillary ii) Inter moxillary. According to site of Anchorage: i) Intraoxal ii) Entraoral a) cervical b) oxcipital c) cranial d) Facial. in ) Muscular. Number of Anchorage Units: According to i) Single or primary anchorage. ii) compound auchorage. iii) Noultiple on seinforce of Anchorage.

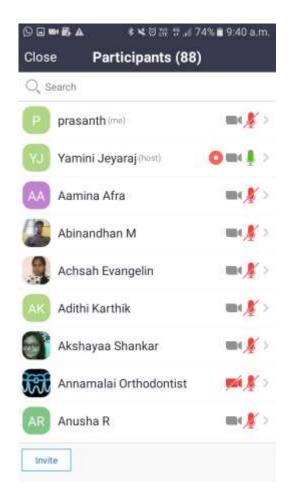


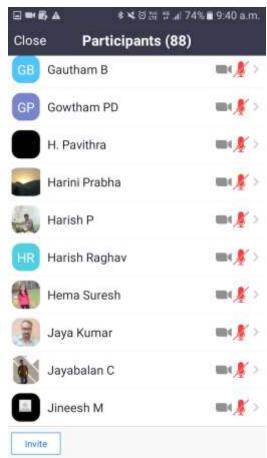
# DEPARTMENT OF ORTHODONTICS AND DENTOFACIAL ORTHOPAEDICS

## E-Teaching/Learning sessions for FINAL YEAR STUDENTS

#### **THEORY CLASS**

S.No	Date	Lecture topic	Faculty	No of students participate d
1	13.05.2020	Surgical orthodontics	Dr. Yamini	82

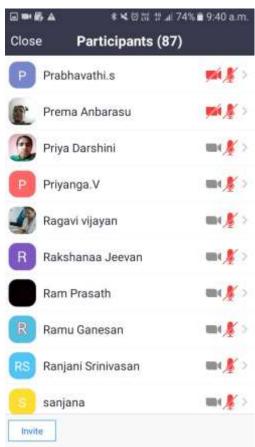




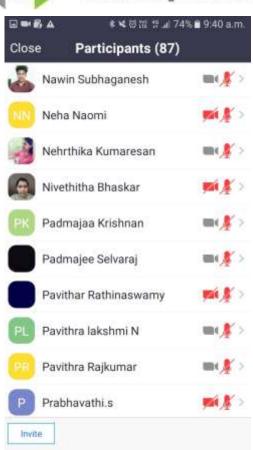


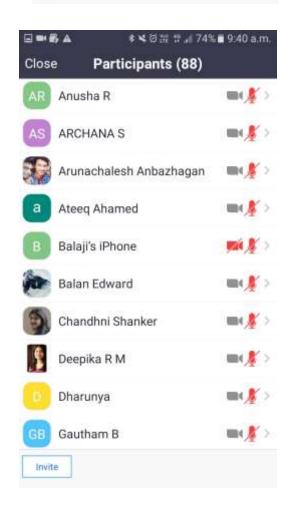




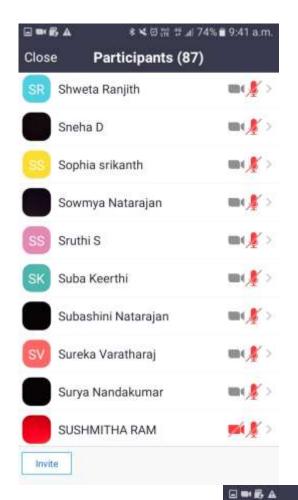


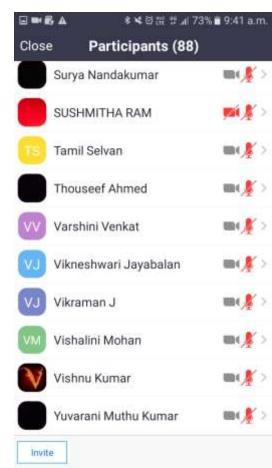


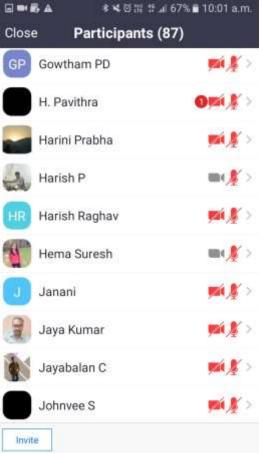














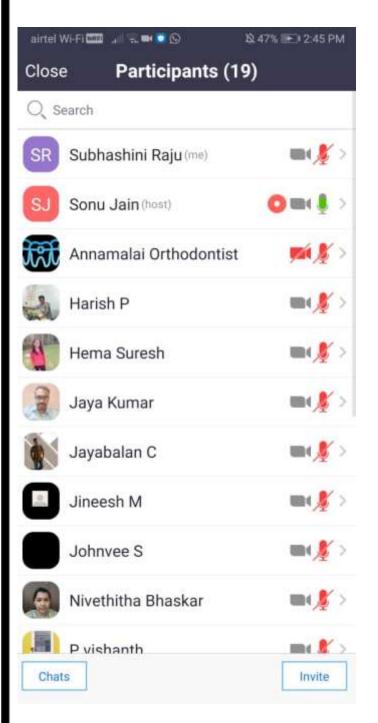
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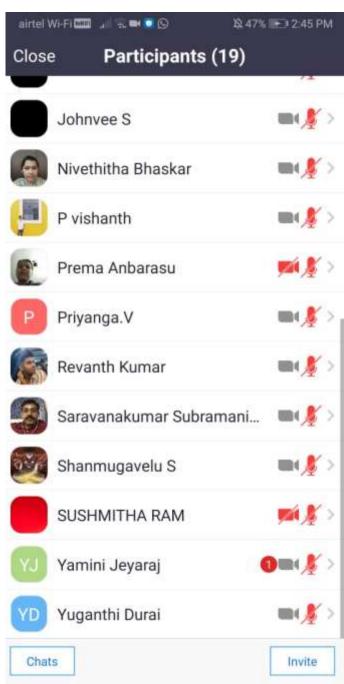
## E-Teaching/Learning sessions foFINAL YEAR STUDENTS

#### SEMINAR CLASS

S.No	Date	Seminar topic	Seminar taken by Intern	No of students participate d
1	13.05.2020	Anterior crossbite	Dr. Sonu jain	07























### **REVISION TEST CONDUCTED**

TOPIC	STUDENTS ATTENDED
Biology of tooth movement	07
Methods of gaining space	

Coffodorfice. £5597. 1. Enimerate 4 explain Theore of shooth movement of ady a not on stoger of dooth movement. Con. list out presentance methods of classification of milocolutes 2) clearly exprante galance of rate on good belix applance 1. oathodon tie Book movement: It is a fibliograph sesponse to interference in physicalicial equilibrium of don Africial complex by 14 extern 1 applied force Theoris of mosts movement. 1. Prescue fearman fleory! Relater Looks movement to certaler charges poodred by chemist muserger, fragitionly thought to be guented of afterther in Hord flow though

2. Bjoelectic/Bore benty Heory?

pelates took movement at begut is part to charges In fore metabolism controlled by elective signed that are properly when already bore flexed and bends

#### Orthodon-lics

## Short rotes:

1) List out the quantitative methods of classification of malocalusion

Malacclusion is defined as a condition in which there is a deflection from the normal relation of feeth to other teeth in the Same arch and/or to teeth in the opposing arch.

Broadly Classified into 2 types

Qualifative

8 Qualifative

Inter such & Intra arch

#### Quantitative methods:

- \* The PAR index
- \* The IOTN index by show
- \* Massler & Frankel
- \*\* Malalignment Index by Van Kurt & Pennel

#### Qualifotive methods:

- ✓ Angle's classification
- Modification of Anglo's
- Simonis Classification
- Bennet's Classification
- Skeletal classification
- Accommon Profit classification
- WHO /FDI classification
- Actiological Classification
- Incisor sockerification
- / Canine Classification

Theories of tooth movement: 1) Pressure tennon theory by ochwarz ii) Blood flow theory by Bosen. in) Bone bending prezoelectoric theory. \* Sand stedt (1904), oppentheim (1911) & Pressure-terrion theory: \* Tooth moves in the periodontal space by schwall (1932). generating a "pressure side" + "Terrison side". Tenion viole. Prevoure viole Blood flow. cell greptication Fiber production Oxygen level co2 level \* Schwarz concluded that the forces delivered part of orthodontic Treatment Should Not enced capillary bed blood pressure (20-25g/en² of

- Expander of Auntal Wilson can be classified 27 A/1 " = · Dente-alveoler repairion , sheletal expansion. They can also be clarified broadly as !-. Slow expansion · Rapid expansion. Expansion Appliance Rapid Slow expansion expansion Tooth Tooth -Fixed Removable time · Isaacson · wiffin borne · Worth spring type . Quad helix \* Denichsual · Expansion type · Ni. Ti and wives strew · Hans 8 ' Functional type appliances. \* Active & Parsive. QUAD HELIX!-. Described by Richetts.
  - · Evolved from original Coffin's W spring.
  - . Flexilitity and range of action is more.

orthodontic tut 2 Short Nota: 1. quantitative nurbed of classification of malocularion. This method is word for nate the sweety of malouluion". 1. Massler and Frankel count the no of teeth displaced or notated 2. Male alignment index (Vanlaik + Pennel). Tooth, displacement and notation were measured. 3. Index of orthodontic treatment needs (IOTN) 4 Peer asserment rating (PAR) Index. 5. Handicappoing Labío-lingual Deviation, Index. Meauvements include elest sporlate, transmatic devations, overjet ¿ ovubite ¿ mandibulas probruios, anterios Opembite, labio-linguel spread meauvement violede lower anterior, counding. 6. occlinal peature Inder: Cupal interdigitation prubite prod origet.

QUARTITATIVE METHONS OF CLASS IDILATION, OF MANOCOMISION

- The PAR Andono
- The I one Prolon
- Marsler & ProNal
- Nebelyment Ander

Massed & Fronted

Count no. 7 teath deplaced on explaced (all or none assessment)

richaligement Index (Vancoric & Parrel)

Note displacement & solution were alghed quartertually.

Devotetion Andre

Measurements indulablely policie, torunete describer, sociepet, societe, mandebular protocure, antionin spondite, -

Occlusal pertue noter

Messeveneto moludos Louis enferior Recuely,

map meralightens, promote & purper.

- Expander of Auntal Wilson can be classified 27 A/1 " = · Dente-alveoler repairion , sheletal expansion. They can also be clarified broadly as !-. Slow expansion · Rapid expansion. Expansion Appliance Rapid Slow expansion expansion Tooth Tooth -Fixed Removable time · Isaacson · wiffin borne · Worth spring type . Quad helix \* Denichsual · Expansion type · Ni. Ti and wives strew · Hans 8 ' Functional type appliances. \* Active & Parsive. QUAD HELIX!-. Described by Richetts.
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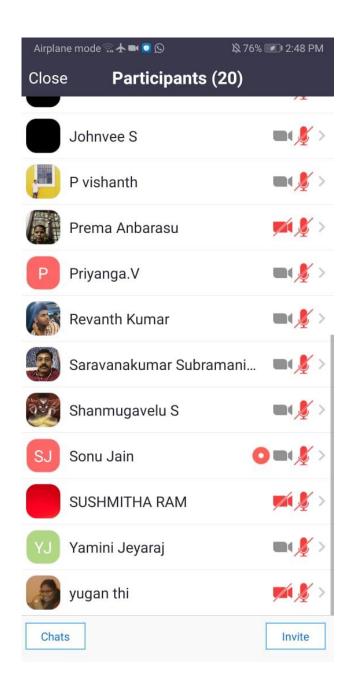
# DEPARTMENT OF ORTHODONTICS AND DENTOFACIAL ORTHOPAEDICS

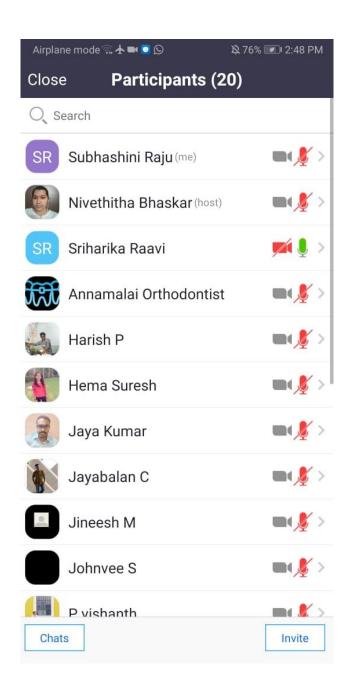
## E-Teaching/Learning sessions foFINAL YEAR STUDENTS

#### SEMINAR CLASS

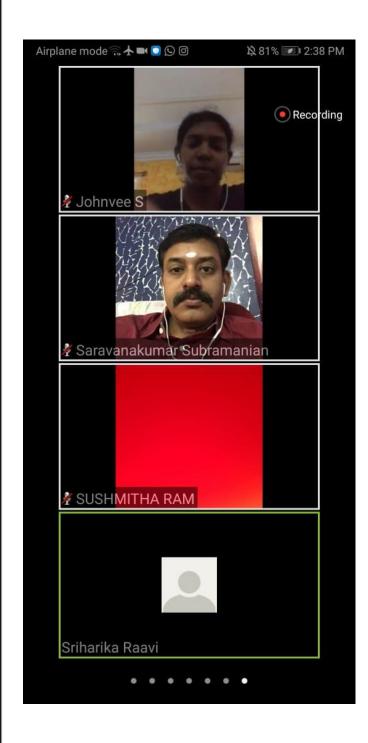
S.No	Date	Seminar topic	Seminar taken by Intern	No of students participate d
1	14.05.2020	Anterior crossbite	Dr. Sriharika	07

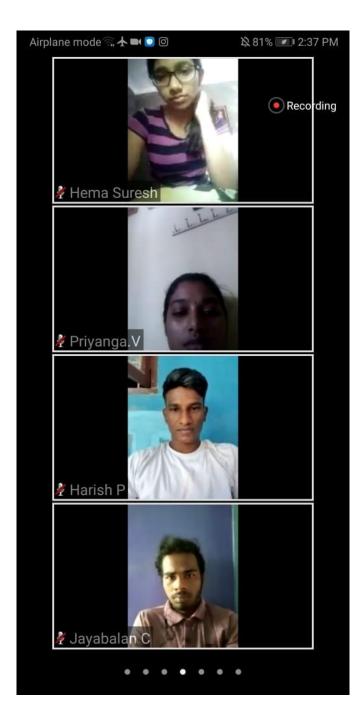










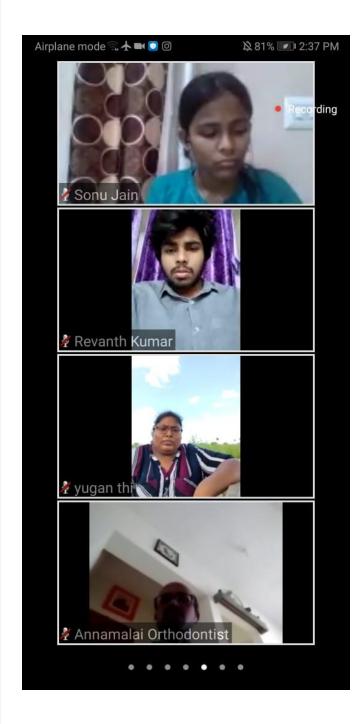
















#### **REVISION TEST CONDUCTED**

TOPIC	STUDENTS ATTENDED
Removable appliances and biomechanical of tooth movement	07

1). Types of Tooth movement with Diagrams. Add \* The tester undergo a Variety of movements an all 3 planes of Space i.e Sagittal, cononal of Tooks movements within the onel cavity can be. -> Tipping. -> Bodely novement. > Internon. -> Torgrung. tipping is a simple type of tooth movement which where a single force is applied to hown which results in movement of nown in one direction of force I root en opposite direct. \* Tipping y uncontrolled. -> It o cours when a footer tips about Controlled Tipping: centre of notation at its agex.

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Liny

1. TYPES OF SOUTH MOUNTENT

- Topping

-Translation

- Rotatoral

robustas

- betamen

- Uprighting

- dadmind

TIPPINO

- Topping movement is produced when a physic porce is applied against the ceasing a book.

The booth solets around the earlier of rosslence

Areas of congression

10ptomed pres 1 35 to 60 gm

#### Orthodontics

Essay:
Types of tooth movement with diagrams. Note on orthodortic f

Basically there are 3 types of movement.

- Translation (Bodily movement)
- pure rotation
- Combined rotation and translation

Translation:

If occurs when all points on tooth move an equal distance

in Same direction.

Puze rotation:

It indicates movement of points of tooth along the arc of a clack

with the Centre of Posistance being the corne of circle

Combined:

Any movement that is not pure translation or rotation can be described as combination of rotation & translation.

 $\mathbb{M} \to \mathbb{M}$ 

ORTHODONTIC TOOTH MOVEMENTS:

- Tipping movement (combined rotation & translation)
- Translation
- ✓ Rotation

14/5/20 March 1812 Sife Every 1 Types of took yourent with dia Types of oftente faces. Tax: 1. Classify ofthe shinds shind opener 2. Dis & adv of Remarks orthodock applace Types of North movement. Controlled \* Tipping & Bodry Movement + Inturior of Exphasion A Refortion Le Porqueit & y prighting Tipping controlled Controlled Tipping. Movement of crown occur in siste direction Wille not shows no movement in opposite direction. Centre of sofother bes at sout got.

#### 1. + Types of Took hurement:

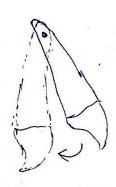
- · Tipping
- · Ordily morement-
- · Intrusion
- . EX-Immion
- Torquing
- · Uprighting.

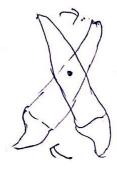
#### Tipping :-

single force is applied to crown, which results in irranvenent of cown in sciention of force and noot in opposite direction.

#### Controlled

Uniontrolly





### Bodily movement:

If line of union of applied bove power through untry of central of resistance of a footh, and points on tooth will more an equal distance in same direction signifying a bodyly

#### Essay

1) Types of tooth movement and orkwolon to forcers.

a) Types of tooks moremust

The prime motive of oxtodontin Frakiel is to mow the tests into new favorable and corrected positions.

Tooks moment cuithin eral canatyana.

i Tipping

ii) Bodely movement

(iii') Exhusion.

Infusion

V) Torquing.

vi) upug hhng

## i) Tipping

Jane is a sniple typof both municif when a single face is applied to the crown, what wells in moveral of the crown in the dimeter of the four and the next in the opposite dueltic

Orthodonties: Esray. 1. Type of tooth movement: The prime another of orthodontes treatment is to more the touth into more Jewourable and corrected position. tooth movement within the oral lavity can be listed as Johows 1. Tipping. 2. Boolily movement 3. Intrion 4 Exterior 5. Torquing. 6 uprighting. · Tipping. ( lombined lokation and translation) -> if the forte does not pass though the CR 10 tooth will troulet per wer as rotate thround the co -> orthodontically tipping movement is proclaud when a ringle force ( from a spring or labial bow from a removable pepuliar Di royphied against the Cours of a took



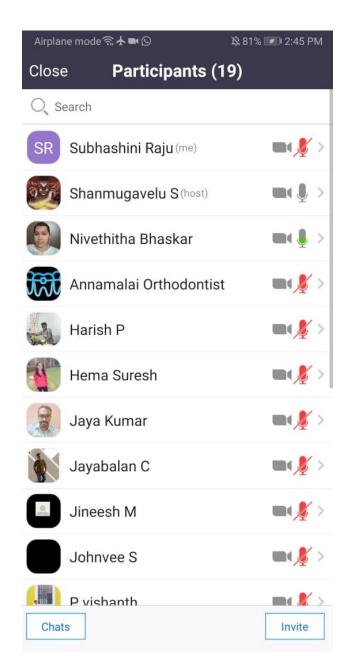
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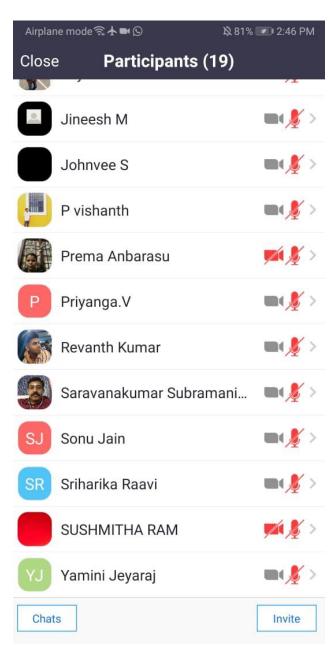
## E-Teaching/Learning sessions foFINAL YEAR STUDENTS

#### SEMINAR CLASS

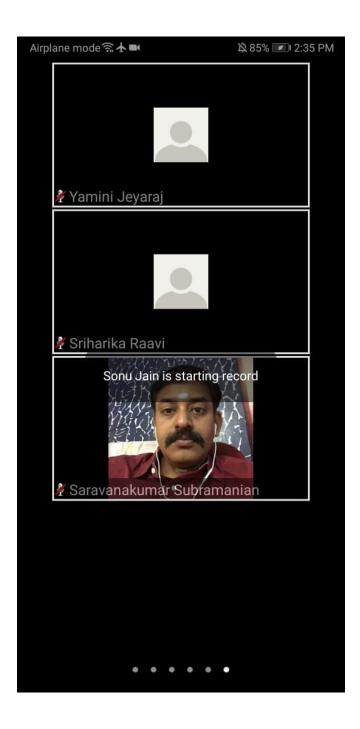
S.No	Date	Seminar topic	Seminar taken by Intern	No of students participate d
1	15.05.2020	Retained primary teeth	Dr. Shanmugavel u	07





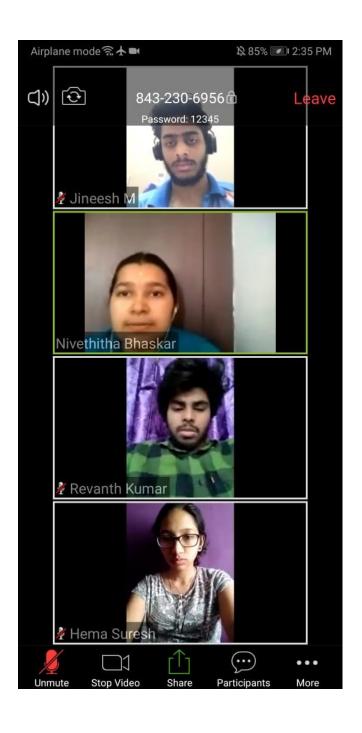






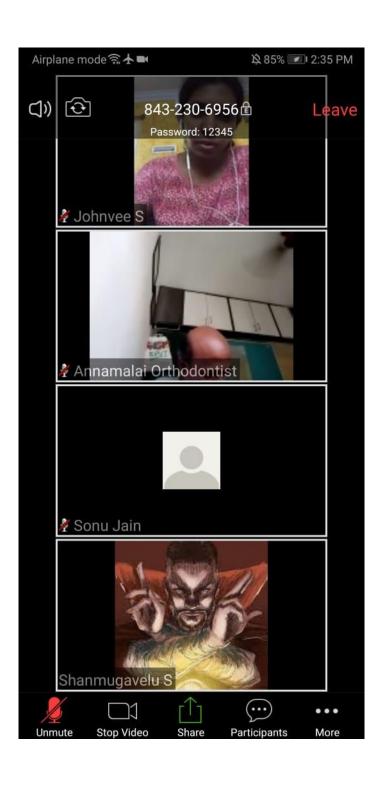














#### **REVISION TEST CONDUCTED**

TOPIC	STUDENTS ATTENDED
Cephalometrics	07

LISY

#### 1. CEPHYOMETRICS

I sometype study of the measurements of the hand with specific requerce points, used by soulinety of food growth and development, Productly agt dissue people - Grabers.

### Copolistet

- or had postiony devote used in dertel roduley, and street procedures seguring acoust positioning of the lead.
- Postiont's head is proved by 2 son soots that are considered since the case hales so that the upper part bolder of the ear hale rest on the upper part of the case rad.
- Head contraved were sephelisted, is personted out the FHI possible to pass and Mar cutical & possible to no consetts.

16/5/20 Short notes?
) STEINER'S ANALYSIS:  Developed & promoted by cacil Steiner in 1950
# It is considered as the first of the modern cophalometric
analysis
Reference plane:  Chainer use SELLA to NASION Canterior cranial base) line
as a reference plane for his analysis.
as a reference plant
According to Steiner's S-N plane is a best reference because,  According to Steiner's S-N plane is a best reference because,
According to Steiners of Position these two midline "If head deviate from true profile Position these two midline rotates in cephalostat".  Toints are minimally moved, even if the head rotates in cephalostat."
points are minimally moved, even if the read
2 State of the sta
and the same of th
Skeletal Analysis:  Skeletal Analysis:  Skeletal Analysis:
Dertal analysis
Skelotal Analysis:
Relate upper & lower jaw with Skull & each other in anteroposter as
If Consist of to angular measurement
SNA angle (8212)
A commonly used meanment

Osthodan Ails - sound still yell Eceny! 1. Defle copylomators, desente cophalastat, uses of cept of Cimitation Sitting englying hope hours Zittold a vay andto. Essay! cephlorefices A & a standard red method of pooducing shall sadospept which are useful in nating mesourement of against orafairal complex. Cepteborapies is a ordiographic feetingse for abstractly the hungs leg of Into a geometric stope. Ceptalos fat

- The cape of ceptalor fat also called a had holder, - It is based on the same principle described by Brodbert The paperts head is fixed by 2 ear mode Het one inserted into our holes.

15/5/20

Essay:

#### 1. cephalometrius:

· Desvibe the analysis and measurements made on aphabonetric radiographs.

#### cephelostal:

· Broadvent and Hofrath Simultaneously plesented a standarised rephalometric technic using high-powered X-Ray markine and head holder called rephalostat.

#### Types of cephalograms:

- · Lateral
- · Frontal

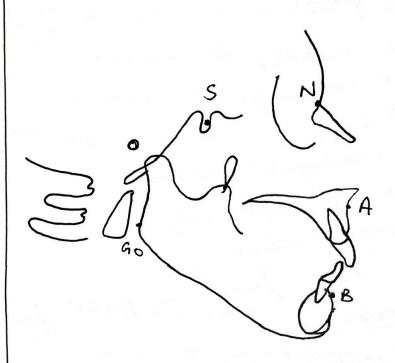
#### Uses:-

- . Established itself as one of pillars of comprehensive orthodontics diagnosis.
- . Most valuable tool in treatment planning and follow up of patients emdergoing orthodoutic treatment.
- Applications of cephalometrics:

  # Helps in orthodontic diagnosis by
  enabling the study of student, dental,
  soft tissue structures of cramis-femilian
  Region.

Short Notes :

1) Steiner's Analysis:



- => It is showed into the partie.
- 1) Skeletal malysis:
  - a) SNA sangle formed bythe intench of s. w place and line joining the hator and point A. Mean value 82°.
  - b) SNB angle -> It is a nargle between the sin place and a line joing neuron to point B.

    Average value 1380.

orthodonties tut: 1. cephalometries: cephalometria i a vadiography. Cephalometre radiography is a Mandaudized method of moducing Skell radiography which are meful in making measurement of cranium and the organial complex cephalometrice i a radiograph technique for abstracting the human head site a geometric Cephalastat: 1 The lephalometic radiographs are taken by an X-ray rour salled rephalostet r cephalorat portion the patient head in the dimension to receive the x-ray blam The distance between the x-vay some send the mid-Sagittal plane of the patriot in fixed at 3 feet. I transfort horizontal plane of the patient is orinted penally to place by man of car and insulted in external accounts mounts, and orbital points.

Defore cephalometrics, describe cephalometrics, uns and limitations of cephalometrics. Origin - 'Cephalo' means head & Metric a neasurement. Define:
The Scientific measurement of the bones

"The Scientific measurement of the bones of vanium & face, Utilizing a forred, reproductible portion for lateral radiographic exposure of skull house. I facial bones". Cephalorstat: \* The Use of cephalostat, also called as had holder us based on principle of Broadbert \* the patient's head is fined by 2 ear rooks that me is serted into ear law. holes. \* The head which is centered in cephalortat is Oriented with FH plane parallel to floor & midragatal plane parallel & vertical to consette Placing the infra patient pointer at patient's orbit

I then adjusting the head Vertically until the pointer

Y ear roots ear rods are at same level.



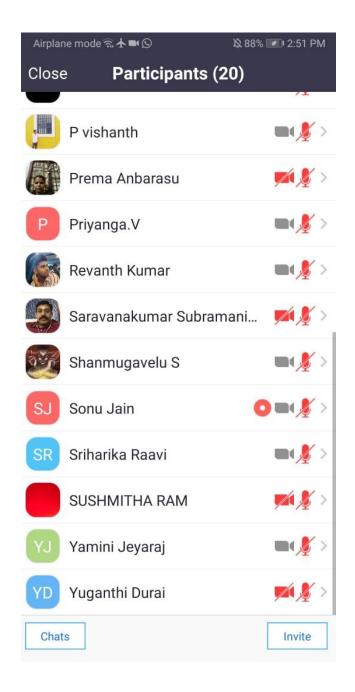
# DEPARTMENT OF ORTHODONTICS AND DENTOFACIAL ORTHOPAEDICS

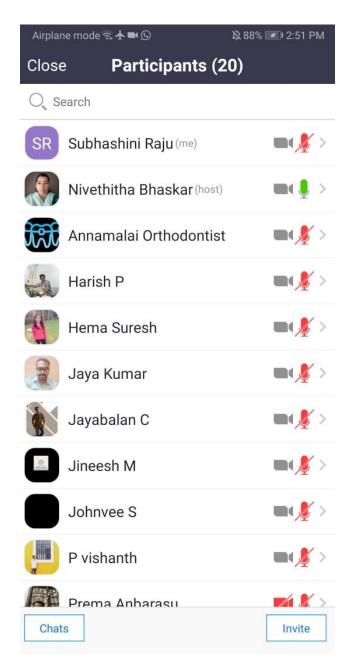
## E-Teaching/Learning sessions foFINAL YEAR STUDENTS

#### SEMINAR CLASS

S.No	Date	Seminar topic	Seminar taken by Intern	No of students participate d
1	16.05.2020	Delayed incisor eruption	Dr. Yuganthi	07





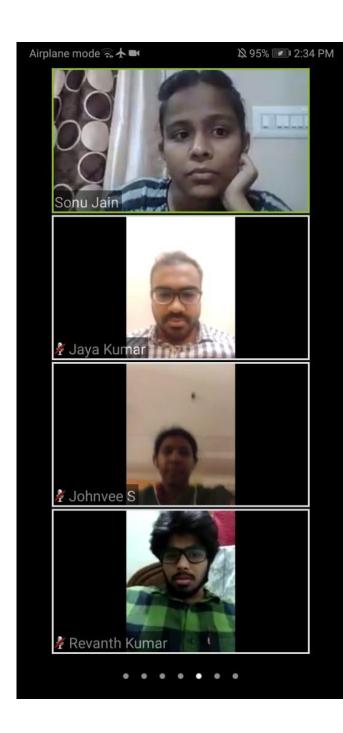


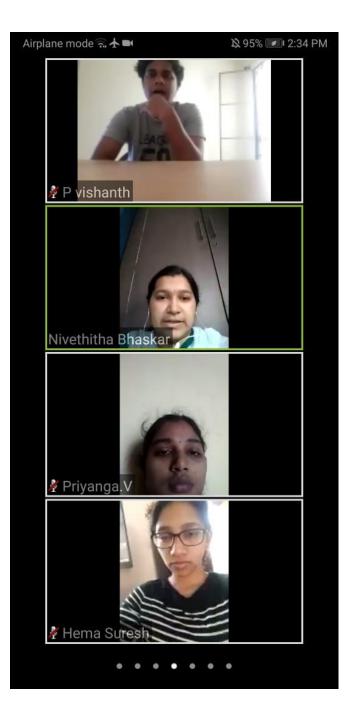


















#### **REVISION TEST CONDUCTED**

TOPIC	STUDENTS ATTENDED
Skeletal maturity indicators and fixed appliances	07

Haneloto, 9

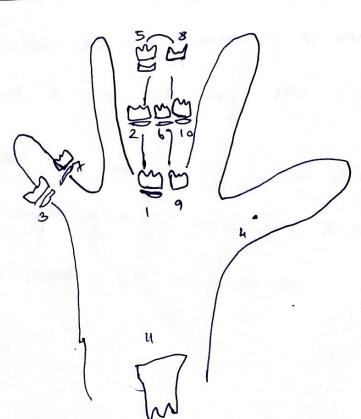
### 1. SEELETTING MATURITY PAUDICATORS

& worknowled and anot I broseph

#### horrido

- Hend what radingeaples
- conver mentative
- Stops of forth development
- Mid polatel serve
- Ospis Indes
  - Post muedzetión

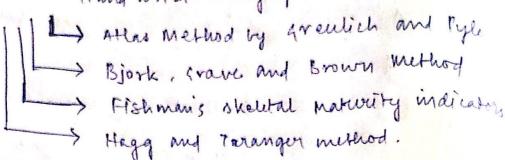
#### Person mened



Eccal. My when 1. Chasify steletop maturity indicator. Detail about sjort grave of Bown method. 1. Describe Components of fixed appliances. 2 cvm method. classifaction of steletal materialy madeston. or fluid was of said , al show . to carvige restebrac. \* mid palatine suture \* Coopes Index of Took mixeral resolution Bjook grave of Brown Method! They have divided skeletal development Stage one: (Males 10.64, femples 8.14): of Epiphysis & diaphysis of the proximal photon of later figures of It occurs approximately 3 years before the post of puterful growth 1) SKELETAL MATURITY INDICATORS

### classification:

· Hand wrist radiographs



- · Evaluation of skeletal maturation using cornical vertebers.
- · Assessment of maturity by chinical and radiographic examination of different stages of the footh development.

BJORK, GRAVE & BROWN nethod:

Divided skeletal development into 9 stages:

- # Stage 1 Cmale . 10.64, Fernales 8.1 y):-
  - · Epiphysis and diaphysis of proprinal phalent of index fringer our equal.
  - growth spurt.