

DEPARTMENT OF ORAL AND MAXILLOFACIAL PATHOLOGY
E-LEARNING CLASSES – VIDEO AND AUDIO RECORDINGS OF CLASSES

COURSE: MASTER OF DENTAL SURGERY

YEAR: I MDS, II MDS, III MDS

SUBJECT: ORAL AND MAXILLOFACIAL PATHOLOGY

DATE: 2.06.2020 to 6.06.2020


CIRCULAR NO	DATE	TIMING	TOPIC - PRESENTER	PRESENTEE-FACULTY /PG	FACULTY PRESENT	NO OF POST GRADUATES ATTENDED
CDCRI/OP/PG/2020/050	01.06.2020	8.30-10.15AM	ORAL MANIFESTATION OF SYSTEMIC DISEASES	DR.SERENA	Dr. R. Sathish Muthukumar, Dr.Sreeja, Dr. Harini	5
CDCRI/OP/PG/2020/050	03.06.2020	12.00-1.30PM	NEOPLASIA HALLMARKS	DR.S.KRITHIGAA,DR.BEEULA,DR.GOWRI	Dr. R. Sathish Muthukumar, Dr. Nachiammai,Dr.Sreeja, Dr. Serena, Dr. Harini	7
CDCRI/OP/PG/2020/050	04.06.2020	9.30-10.00AM	PG EXAM DISCUSSION	DR.ATHISH MUTHUKUMAR	Dr.Sreeja	4
CDCRI/OP/PG/2020/050	04.06.2020	10.00-11.45AM	ROUND CELL TUMOURS	DR.S.KRITHIGAA	Dr. R. Sathish Muthukumar, Dr.Sreeja, Dr. Serena, Dr. Harini	7
CDCRI/OP/PG/2020/050	04.06.2020	1.30-2.00PM	REGRESSIVE ALTERATIONS OF TEETH	DR.HARINI	-	3
CDCRI/OP/PG/2020/050	05.06.2020	9.30-10.30AM	JOURNAL DISCUSSION	DR.LEO CAROLINE	Dr. R. Sathish Muthukumar, Dr. Serena, Dr. Harini	7
CDCRI/OP/PG/2020/050	06.06.2020	8.90-9.15AM	OROFACIAL PAIN	DR.SATHISH MUTHUKUMAR	Dr.Sreeja, Dr. Merlin Jayaraj, Dr. Harini, Dr.Serena	5
CDCRI/OP/PG/2020/050	06.06.2020	9.00-10.45AM	ORAL CANCER	DR.SHANKARASAN	Dr.Sreeja, Dr. Merlin Jayaraj, Dr. Harini	6

CDCRI/OP/2020/050

01.06.2020

DEPARTMENT OF ORAL PATHOLOGY AND MICROBIOLOGY

RECORD OF e CLASS

PLATFORM	 https://us04web.zoom.us/j/71799171826?pwd=bk5MdFFKbE44eXRKdGtBZjBDaTJIUT09
SESSION	WEBINAR – ORAL MANIFESTATION OF SYSTEMIC DISORDERS
PRESENTING FACULTY	DR. SERENA
FACULTY ATTENDED	DR.SATHISH MUTHUKUMAR,DR.SREEJA,DR.HARINI PRIYA
DATE	01.06.2020
TIMING	8.30-10.15AM
PG PARTICPANTS	7- DR.ANUPRIYA, DR.S.KRITHIGAA, DR.PRISILLA, DR.BEEULA, DR.GOWRI,DR.SAMYUKTHA,DR.LEO CAROLINE



FACULTY: DR. SERENA PRESENTATION
SHARED SCREEN

Fat Soluble Vitamins – Vitamin A (retinol)

VITAMIN A - Is widely distributed in animal and plant foods

Animals –pre-formed – Retinol.

Plants – pro-formed - carotene



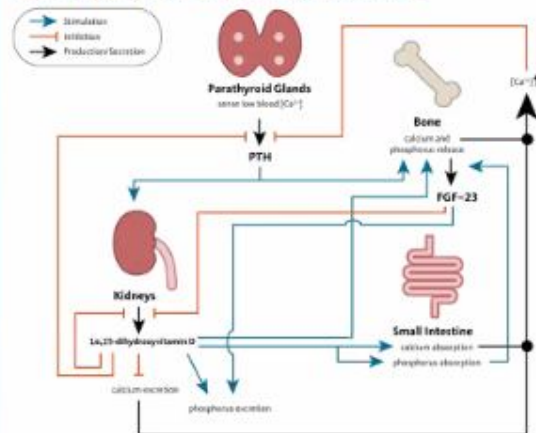
- Vitamin A consists of **Retinol** (pre-formed vitamin), **Retinal**, **Retinoic acid** and **β -carotene** (pro-vitamin)
- Some of the β -carotene is **converted** to retinol in the intestinal mucosa.





**FACULTY: DR. SERENA PRESENTATION
SHARED SCREEN**

Figure 3. Regulation of Calcium and Phosphorus Homeostasis



Calcium and phosphorus homeostasis. A slight drop in blood calcium concentration ($[Ca^{2+}]$) results in the secretion of parathyroid hormone (PTH) by the parathyroid glands. PTH stimulates the activity of CYP27B1 (25-hydroxyvitamin D-1 α -hydroxylase enzyme) that catalyzes the hydroxylation of 25-hydroxyvitamin D into 1,25-dihydroxyvitamin D. This active form of vitamin D (i) increases the reabsorption of calcium filtered by the kidneys and stimulates phosphorus excretion, (ii) increases the intestinal absorption of both calcium and phosphorus, and (iii) mobilizes calcium (and phosphorus) from bone when dietary calcium intake is insufficient. PTH also stimulates bone resorption that releases calcium and phosphorus. 1,25-dihydroxyvitamin D inhibits its own production, as well as PTH synthesis, via negative feedback loops. FGF-23 is secreted by bone-forming cells (osteoblasts) in response to an increase in phosphorus intake. FGF-23 inhibits the synthesis of 1,25-dihydroxyvitamin D and promotes phosphorus excretion in the urine.

$[Ca^{2+}]$, calcium concentration; FGF-23, fibroblast growth factor-23; PTH, parathyroid hormone.





**FACULTY: DR. SERENA PRESENTATION
SHARED SCREEN**

ORAL MANIFESTATIONS

- ▶ Abnormalities of enamel and dentin
- ▶ High caries index
- ▶ Malalignment of teeth
- ▶ Abnormal wide predentin zone, more interglobular dentin. (Fails to mineralize)

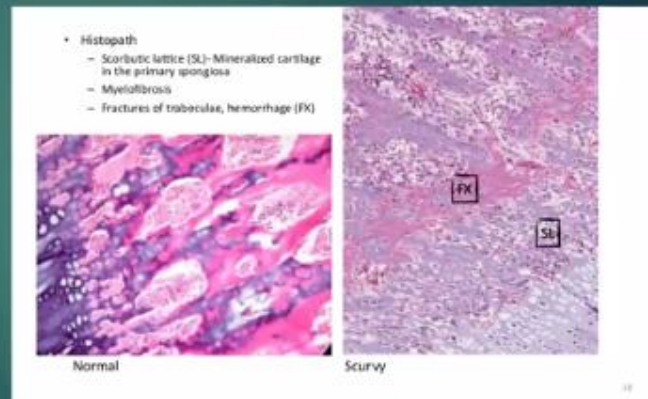




FACULTY: DR. SERENA PRESENTATION
SHARED SCREEN

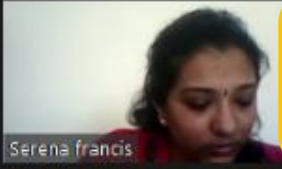




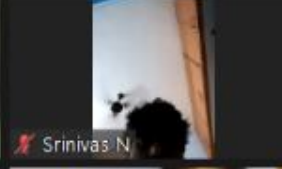


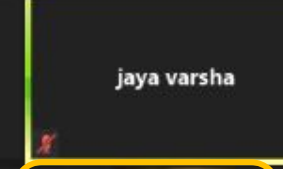



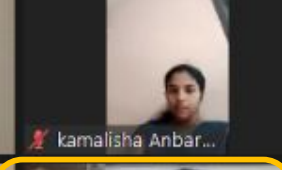





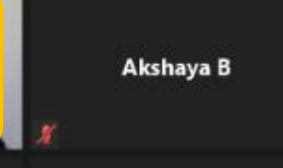

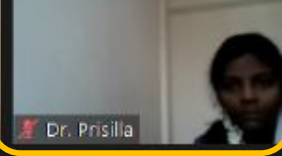
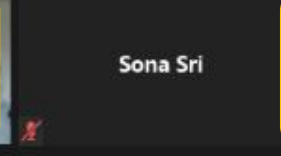


Histopathology

- ▶ Osteoblasts fail to form Osteoid
- ▶ Scorbutic Lattice- Non ossified matrix in the metaphysis
- ▶ Trummerfeld Zone (Region of Complete Disintegration)- Fracturing of calcified matrix material




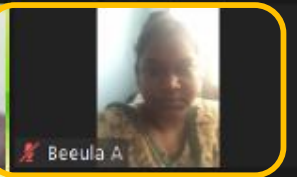


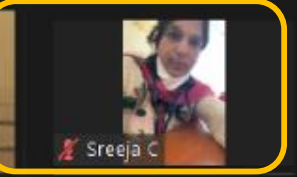








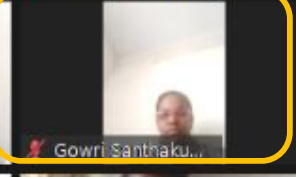

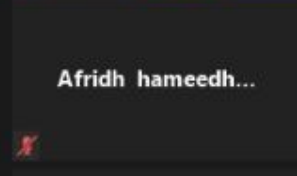

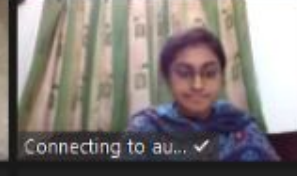
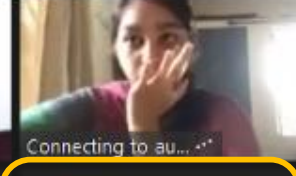


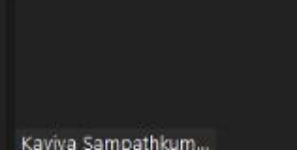





**FACULTY: DR. SERENA PRESENTATION
PARTICIPANT VIDEO TILES**

 Serena francis	 Krithigaa Sivara...	 Iswariya S	 Kowsalya.P	 dhwarka mai jag...
 Srinidhi P	 Srinivas N	 Buvaneshwari J	 Naresh Boobalan	 jaya varsha
 Divya Bharathi	 Nandini Nagaraj...	 Sirpika Arunacha...	 kamalisha Anbar...	 Anu Priya
 KAAVYA BASKAR	 Akshaya S	 Swathi M	 samyukta	 Akshaya B
 Divya Dharshini	 Dr. Prisilla	 Sona Sri	 Leo Caroline	 Raksha RAMKU...



**FACULTY: DR. SERENA PRESENTATION
PARTICIPANT VIDEO TILES**


 <p>Serena francis</p>	 <p>Beeula A</p>	 <p>Bency Joseph Raj</p>	 <p>Joselin Rosary</p>	 <p>Sreeja C</p>
 <p>Gogula Krishnan</p>	 <p>Srinidhi P</p>	 <p>Soofiya Snober</p>	 <p>Prathosh Krishna</p>	 <p>Sneha S</p>
 <p>Gokul S</p>	 <p>Ashrita Rajan</p>	 <p>Lakshana K G</p>	 <p>Gowri Santhaku...</p>	 <p>Anu Chandhini</p>
 <p>Afridh hameedh...</p>	 <p>Connecting to au... ✓</p>	 <p>Connecting to au... ✓</p>	 <p>Connecting to au... ✓</p>	 <p>Nandini Nagaraj...</p>
 <p>Aishwarya</p>	 <p>Kaviya Sampathkum...</p>	 <p>Priyadharshini A</p>	 <p>Sathish Muth...</p>	 <p>Pavithra Manohar</p>

**FACULTY: DR. SERENA PRESENTATION
PARTICIPANT ATTENDANCE**

Find a participant	Find a participant	Find a participant
KS Krithigaa Sivaraman (Host, me) <input checked="" type="checkbox"/>	DD Divya Dharshini <input checked="" type="checkbox"/>	DR Dr. R. Sathish Muthukumar <input checked="" type="checkbox"/>
Serena francis <input type="checkbox"/>	Dr. Harini Priya <input checked="" type="checkbox"/>	SM SAHANASHREE M <input checked="" type="checkbox"/>
AB Aadhya Babu <input checked="" type="checkbox"/>	Dr. Prisilla <input checked="" type="checkbox"/>	Sakthi Mani Murugan P <input checked="" type="checkbox"/>
A Aishwarya <input checked="" type="checkbox"/>	GN Gayathri Namadevan <input checked="" type="checkbox"/>	S samyukta <input checked="" type="checkbox"/>
AB Akshaya B <input checked="" type="checkbox"/>	Gayathri S A <input checked="" type="checkbox"/>	SS Savitha S <input checked="" type="checkbox"/>
AS Akshaya S <input checked="" type="checkbox"/>	Gokul S <input checked="" type="checkbox"/>	Shree devi Elangovan <input checked="" type="checkbox"/>
AM Amira Moosa <input checked="" type="checkbox"/>	G Gowri Santhakumar <input checked="" type="checkbox"/>	Sirpika Arunachalam <input checked="" type="checkbox"/>
AC Anu Chandhini <input checked="" type="checkbox"/>	HS Haripriya S <input checked="" type="checkbox"/>	Sneha S <input checked="" type="checkbox"/>
Anu Priya <input checked="" type="checkbox"/>	IM Ishwerya Murali <input checked="" type="checkbox"/>	SS Sona Sri <input checked="" type="checkbox"/>
Anusha Naidu <input checked="" type="checkbox"/>	IS Iswariya S <input checked="" type="checkbox"/>	SS Soofiya Snober <input checked="" type="checkbox"/>
Beeula A <input checked="" type="checkbox"/>	IS Iswarya srinivasan <input checked="" type="checkbox"/>	Sreeja C <input checked="" type="checkbox"/>
Bency Joseph Raj <input checked="" type="checkbox"/>	JV jaya varsha <input checked="" type="checkbox"/>	Sriram Mahesh <input checked="" type="checkbox"/>
BJ Buvaneshwari J <input checked="" type="checkbox"/>	Joselin Rosary <input checked="" type="checkbox"/>	SR Srividhya Rajesh <input checked="" type="checkbox"/>
D Deepthika.B <input checked="" type="checkbox"/>	LC Leo Caroline <input checked="" type="checkbox"/>	Srivishnu Janakiraman <input checked="" type="checkbox"/>
	Invite Mute All Unmute All ...	Invite Mute All Unmute All ...

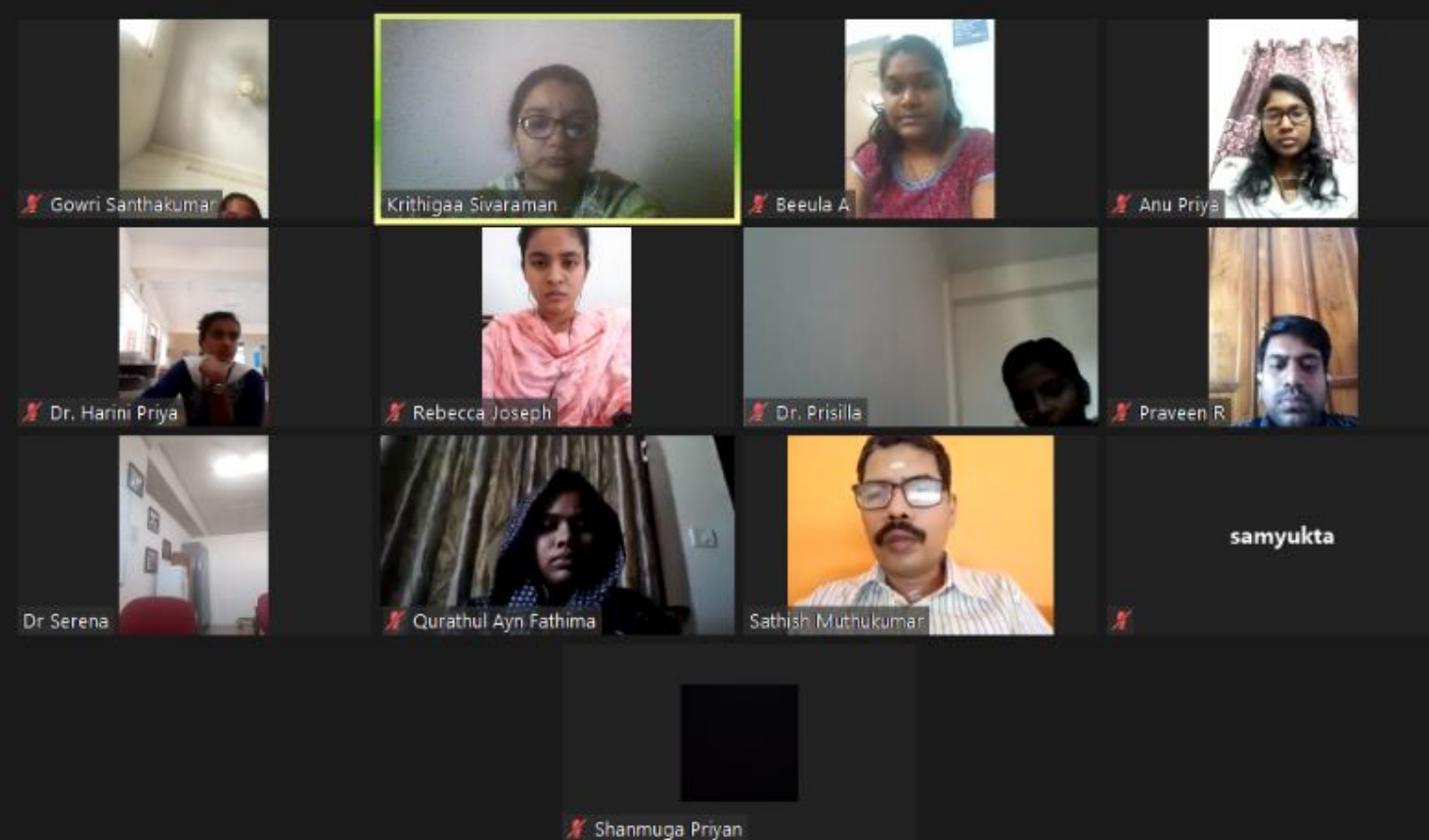
CDCRI/OP/PG/2020/0503.06.2020














DEPARTMENT OF ORAL AND MAXILLOFACIAL PATHOLOGY AND MICROBIOLOGY
RECORD OF e CLASS

PLATFORM	 https://us04web.zoom.us/j/4702236299?pwd=OXcrRjR2WDgyWU1aVTB3WjQ2MWFrdz09
SESSION	NEOPLASIA HALLMARKS – PG DISCUSSION
PRESENTER	DR.GOWRI, DR. KRITHIGAA, DR. BEEULA
DATE	03.06.2020
TIMING	12.00 pm to 1.30 pm
PG PARTICIPANTS	7 - Dr. Anupriya, Dr. A. Beeula, Dr. Gowri, Dr. Krithigaa, Dr. Leo Caroline, Dr. Prisilla, Dr. Samyukta
FACULTY ATTENDED	Dr. Nachiammai, Dr. Merlin, Dr. Harini, Dr.Serena, Dr. R. Sathish Muthukumar, Dr. Sreeja

POST GRADUATE: DISCUSSION

PARTICIPANTS VIDEO TILES



 Gowri Santhakumar	 Krithigaa Sivaraman	 Beeula A	 Anu Priya
 Dr. Harini Priya	 Rebecca Joseph	 Dr. Prisilla	 Praveen R
 Dr. Serena	 Qurathul Ayn Fathima	 Sathish Muthukumar	 samyukta
 Shanmuga Priyan			

POST GRADUATE: DISCUSSION

PARTICIPANTS VIDEO TILES



POST GRADUATE: DISCUSSION




PARTICIPANTS ATTENDANCE

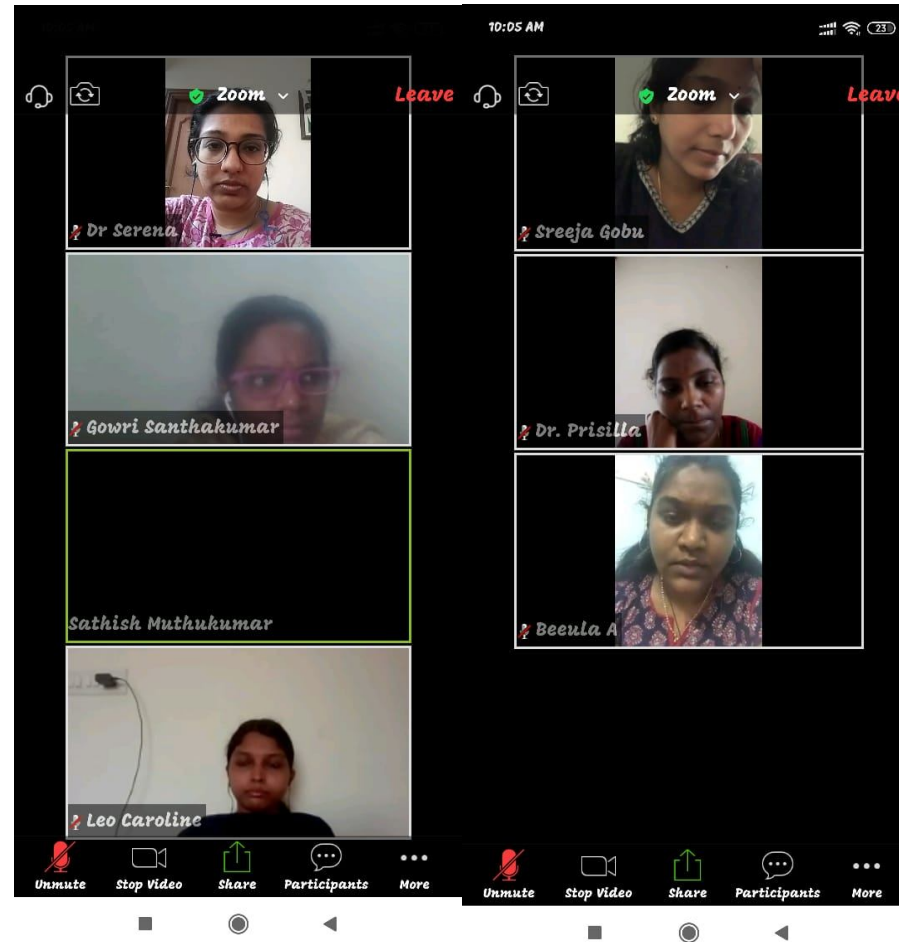
Krithigaa Sivaraman (Host, me)	<input type="checkbox"/>	Krithigaa Sivara... (Host, me)	<input checked="" type="checkbox"/>
DS Dr Serena	<input type="checkbox"/>	g Gowri Santhakumar	<input type="checkbox"/>
SM Sathish Muthukumar	<input type="checkbox"/>	Anu Priya	<input checked="" type="checkbox"/>
Anu Priya	<input checked="" type="checkbox"/>	Beeula A	<input checked="" type="checkbox"/>
Beeula A	<input checked="" type="checkbox"/>	DS Dr Serena	<input checked="" type="checkbox"/>
Dr. Harini Priya	<input checked="" type="checkbox"/>	Dr. Harini Priya	<input checked="" type="checkbox"/>
Dr. Prisilla	<input checked="" type="checkbox"/>	Dr. Prisilla	<input checked="" type="checkbox"/>
g Gowri Santhakumar	<input checked="" type="checkbox"/>	LC Leo Caroline	<input checked="" type="checkbox"/>
Praveen R	<input checked="" type="checkbox"/>	Merlin Jayaraj	<input checked="" type="checkbox"/>
QA Qurathul Ayn Fathima	<input checked="" type="checkbox"/>	NN N NACHIAMMAI	<input checked="" type="checkbox"/>
RJ Rebecca Joseph	<input checked="" type="checkbox"/>	Praveen R	<input checked="" type="checkbox"/>
S samyukta	<input checked="" type="checkbox"/>	QA Qurathul Ayn Fathima	<input checked="" type="checkbox"/>
		RJ Rebecca Joseph	<input checked="" type="checkbox"/>
		Shanmuga Priyan	<input checked="" type="checkbox"/>
		SG Sreeja Gobu	<input checked="" type="checkbox"/>

CDCRI/OP/PG/2020/050 4.06.2020

DEPARTMENT OF ORAL AND MAXILLOFACIAL PATHOLOGY AND MICROBIOLOGY
RECORD OF e CLASS

PLATFORM	 https://us04web.zoom.us/j/7837677212?pwd=eHdYdU5YU3QwZVRFR25XQkc3NkI2QT09
SESSION	Exam meeting
PRESENTER	Dr. R. Sathish Muthukumar
DATE	4.06.2020
TIMING	9.30 am to 10.00 am
PG PARTICIPANTS	Dr. Beeula, Dr. Gowri, Dr. Prisilla.M, Dr.LeoCaroline.M- 4 participants
FACULTY ATTENDED	Dr. Sreeja, Dr. Serena

PARTICIPANTS VIDEO TILES



10:05 AM

Zoom Leave

Dr. Serena

Zoom Leave

Sreeja Gobu

Gowri Santhakumar

Dr. Prisilla

Sathish Muthukumar

Beeula A

Leo Caroline

Unmute Stop Video Share Participants More

Unmute Stop Video Share Participants More



PARTICIPANTS ATTENDANCE

10:05 AM

Close **Participants (7)**

DS	Dr Serena (me)			>
G	Gowri Santhakumar (host)			>
SM	Sathish Muthukumar			>
	Beenla A			>
	Dr. Prisilla			>
LC	Leo Caroline			>
SG	Sreeja Gobu			>


[invite](#)



CDCRI/OP/PG/2020/50

4.06.2020

DEPARTMENT OF ORAL AND MAXILLOFACIAL PATHOLOGY AND MICROBIOLOGY
Record of E-class

PLATFORM	 https://us04web.zoom.us/j/4702236299?pwd=QXcrRjR2WDgyWU1aVTB3WjQ2MWFrdz09
SESSION	SEMINAR – ROUND CELL TUMOURS
PRESENTER	Dr. S.KRITHIGAA , III MDS
DATE	4.06.2020
TIMING	10.00 am to 11.45 am
PG PARTICIPANTS	7 - Dr. Gowri, Dr. Anupriya, Dr. Leo Caroline, Dr. Prisilla, Dr.Samyuktha, Dr.Beeula
FACULTY ATTENDED	Dr. R. Sathish Muthukumar, Dr. Sreeja, Dr. Serena

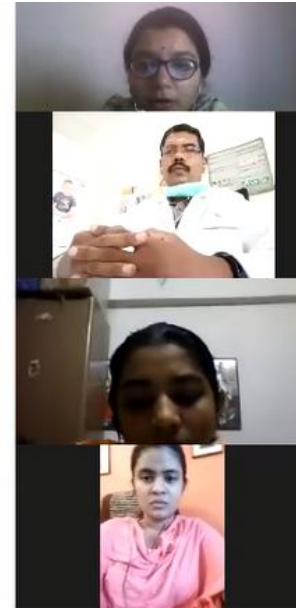
POST GRADUATE: DR. S.KRITHIGAA (III MDS) PRESENTATION

SHARED SCREEN



ROUND CELL TUMOURS

DR.S.KRITHIGAA
III YEAR POSTGRADUATE
DEPARTMENT OF ORAL PATHOLOGY



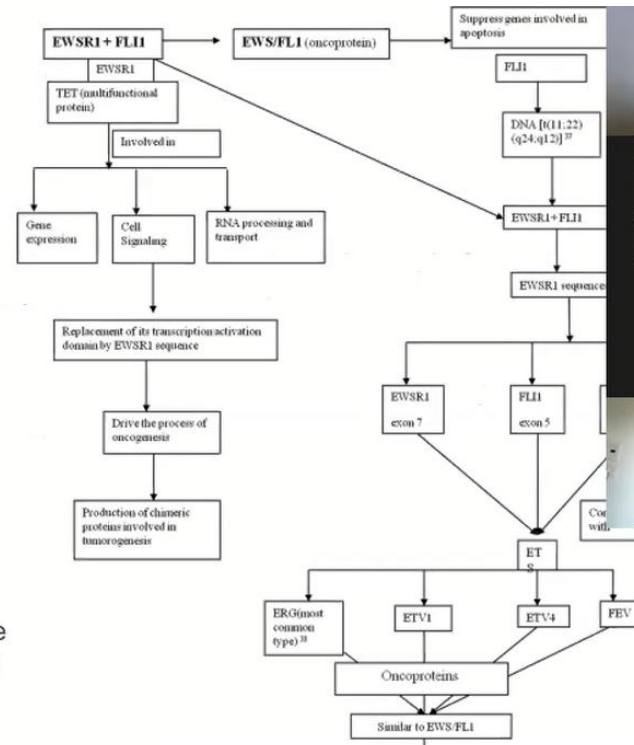
POST GRADUATE: DR. S.KRITHIGAA (III MDS) PRESENTATION

SHARED SCREEN

π

PATHOGENESIS

Fusion results in chimeric transcription factor that result in the altered regulation of several genes and non-coding RNAs



Reference - Pathogenesis of Ewing sarcoma: A review
P. S. Vidya Rani, K. Shyamala, H. C. Girish, Sanjay Murgod, *Journal of Advanced Clinical & Research Insights* (2015), 2, 164-168

POST GRADUATE: DR. S.KRITHIGAA (III MDS) PRESENTATION

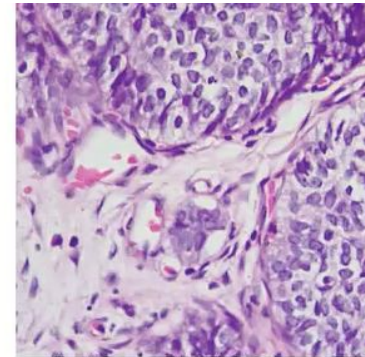
SHARED SCREEN

π

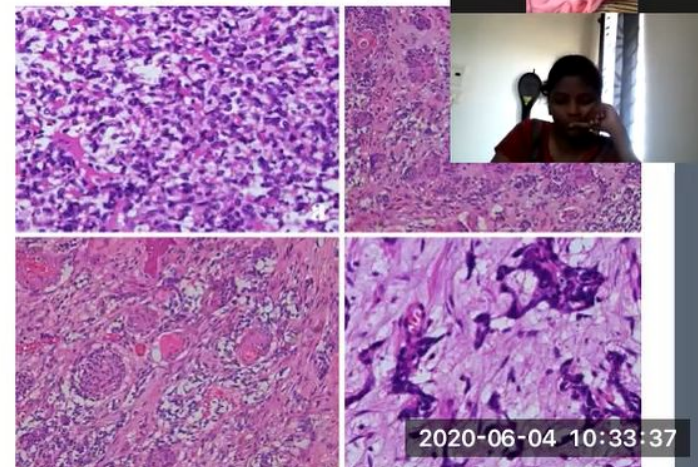
Other histological patterns

- › extensive spindling
- › abundant hyaline sclerosis
- › hemagioendothelial features
- › adamantinoma-like ES
 - Variant with a nested, epithelioid growth pattern.
 - contains both epithelial and fibrous mesenchymal cells
 - nests of epithelial-like cells arranged in palisading or glandular pattern in background of fibrous stroma

Reference - Fujii, H., Honoki, K., Enomoto, Y., Kasai, T., Kido, A., Amano, I., ... Takakura, Y. (2006). *Adamantinoma-like Ewing's sarcoma with EWS-FLI1 fusion gene: a case report. Virchows Archiv, 449(5), 579–584.*



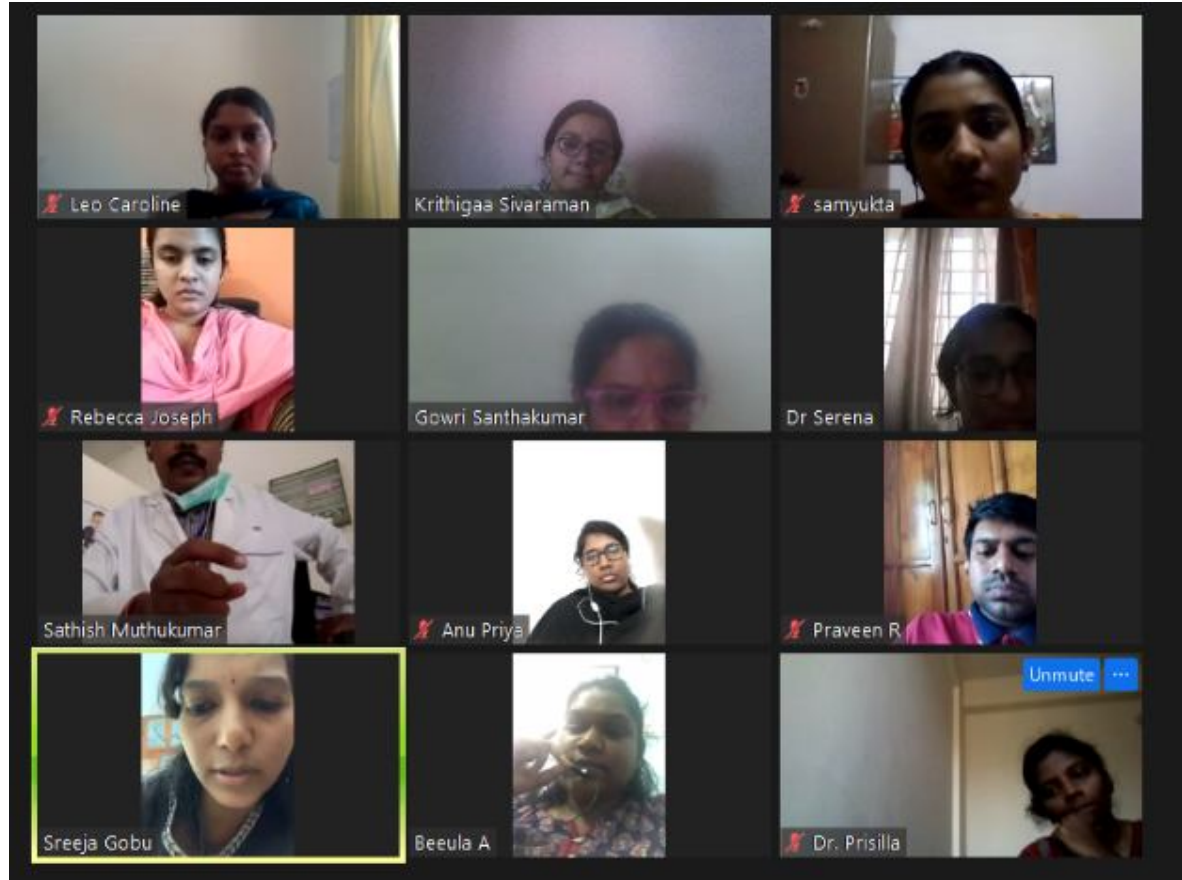
lesion composed of cells arranged in lo



2020-06-04 10:33:37






























POST GRADUATE: DR. S.KRITHIGAA (III MDS) PRESENTATION

PARTICIPANTS VIDEO TILES



POST GRADUATE: DR. S.KRITHIGAA (III MDS) PRESENTATION


PARTICIPANTS ATTENDANCE

	Krithigaa Sivaram... (Host, me)  
	Beeula A  
	Gowri Santhakumar  
	Sathish Muthukumar  
	Sreeja Gobu  
	Dr Serena  
	Anu Priya  
	Dr. Prisilla  
	Leo Caroline  
	Praveen R  
	Rebecca Joseph  
	samyukta  

CDCRI/OP/2020/050

05.06.2020

DEPARTMENT OF ORAL AND MAXILLOFACIAL PATHOLOGY AND MICROBIOLOGY
RECORD OF e CLASS

PLATFORM	 https://us04web.zoom.us/j/72804054630?pwd=S2RjNXAwTnNIS1I5ZVVMZlloMDJQUT09
PRESENTATION	JOURNAL DISCUSSION
TOPIC	Role of human papillomavirus and tumor suppressor genes
PRESENTER	Dr. LEO CAROLINE.M
DATE	05.06.2020
TIMING	9.30 am to 10.30am
FACULTY ATTENDED	Dr. Sathish Muthukumar, Dr. Serena Francis, Dr.Harini
PG PARTICIPANTS	5 Nos - Dr. Gowri, Dr. Krithigaa, Dr. Anupriya, Dr. Priscilla,Dr.Samyuktha



Chettinad
Dental College & Research Institute

POST GRADUATE: DR. LEO CAROLINE.M (II MDS) PRESENTATION

SHARED SCREEN



Chettinad
Dental College & Research Institute
Department of Oral & Maxillofacial Pathology

JOURNAL DISCUSSION

DR.LEO CAROLINE.M

2ND MDS

DEPARTMENT OF ORAL PATHOLOGY

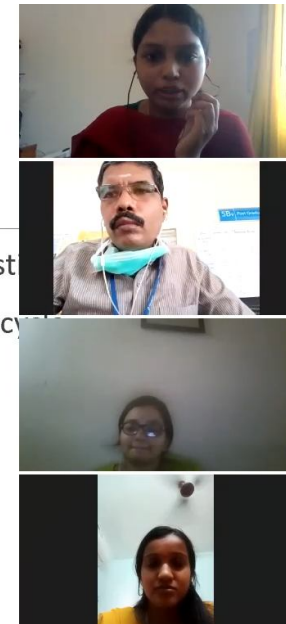
5/6/2020





TUMOR SUPPRESSORS

- Tumor suppressors are genes that prevent cells from acquiring malignant characteristics.
- Tumor suppressor genes function by **regulating the discrete checkpoints** during cell cycle progression and with the monitoring of DNA replication and mitosis.





POST GRADUATE: DR. LEO CAROLINE.M (II MDS) PRESENTATION

SHARED SCREEN

