

Mahatma Gandhi Dental College & Hospital

MAHATMA GANDHI UNIVERSITY OF MEDICAL SCIENCES & TECHNOLOGY, JAIPUR (Sponsoring Body: India Education Trust)

RHCO Institutional Area, Sitapura, Tonk Road, JAIPUR - 302 022 (Raj.) INDIA Phone: 0141-2770300, 3292139 • Fax: 0141-2770326 email: principal.dentat@mgumat.org

No. MGDCH/CDE/DCR/2025/06

Date: 08-04-2025

319 DENTAL COMBINED ROUND (DCR)

on

"A 60-year-old male with right maxillary swelling since 3 years"

Department of Oral and Maxillofacial Surgery

### Speakers

Dr. Aayushi Agarwal
PG Resident (III MDS)
Dept. of Oral and Maxillofacial surgery
MGDCH

Dr. Shilpa Shrivastav Reader Dept. of Oral Pathology and Oral Microbiology MGDCH

Under Guidance of

Dr. Vikas Kunwar Singh Professor and HOD Dept. of Oral and Maxillofacial Surgery

Dr. Manish Jain
Professor and HOD
Dept. of Oral Pathology and Oral Microbiology

Moderator
Dr. Amit Bhamboo
Professor
Dept. of Oral and Maxillofacial surgery

Chairperson
Dr. M L Swarankar
Emeritus Chairperson
MGUMST

Wednesday, April 9th, 2025, at 02.00 pm - 03.00 pm Venue: LT-1, MGDCH

All HODs. Faculty members and Residents of Mahatma Gandhi Dental College and Hospital, Jaipur must attend the DCR in LT-1 at 2.00pm sharp. 32nd DCR will be conducted on 23nd April, 2025 by Dept. of Conservative Dentistry & Endodontics.

Dr. Achal Gulati

President cum Vice Chancellor MGUMST Dr. V. K. Knpoor Pro. Vice Chancellor MGUMST Dr. Navendra Padiyar U Poacipal & Dean MGDCH

Dr. Anshuman Jamdade
Professor and Head
Dept of Oral Medicine & Radiology,
Convenor, DCR

Copy to-

125 to the Champenson MOUMST

Physical Provident MOUNET
Physical Profession, MOUMST

Principal & Controller MCHACATI

\* Prompol A Controller Mcdr. All

Principal & Unificalist Integer. ATT
 Principal Advance to Champerson. Intertables?

- Modern Supermendent Mall

fixmic of the Leginithicity (Avilority official

treads of the Englandarias bound College

Al tremain trees liderated by

for hidronical spect foliage to 11

to the symmetrused between thembering the Phil

to trades the metals conficient

d dillion on



## Mahatma Gandhi Dental College & Hospital

(A UNIT OF MAHATMA GANDHI UNIVERSITY OF MEDICAL SCIENCS & TECHNOLOGY)

RIICO Institutional Area, Sitapura, Jaipur - 302022

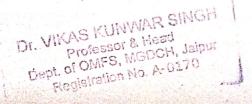
Phone: 0141-2770300

### DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY

### **ACADEMIC EVENT REPORT - 08/04/25**

Conferance / Seminars / CME / Workshop / Training / Quiz / Debate / Guest Lecture etc.

Sr. no	Event Report				
1	Name and level of event				
	31st Dental Combined Round				
. 2	Background / Introduction				
	A 60 Year old male with right maxillary swelling since 3 years  Maxillary ameloblastoma is one of the rarest odontogenic epithelial tumors encountered, as 80% of ameloblastoma are seen within the mandible. Ameloblastoma is usually incidentally detected in the third to fourth decades of life, as most patients remain asymptomatic; yet so patients may complain of a slowly growing, painless swelling. Early and adequate surgical resection of the primary tumor is crucial to prevent further recurrences in patients with ameloblastoma. This could be achieved by providing a tight postoperative follow-up schedu while paying special attention to the lungs, neck, and other suspicious areas to detect metastasis as early as possible.				
3	Venue				
	MGDCH				
4	Sponsors				
	None				
5	Inaugration				
	MGDCH				
6	Judges / Chairman / Panel Team				
	Dr. Narendra Padiyar, Dr. Deepak Raisinghani, Dr. Vikas K Singh, Dr Ruchika Tiwari, Dr. Anshuman Jamdade				







7	Speaker
	1.Dr. Aayushi Agarwal 2.Dr. Shilpa Shrivastav
8	Participants and Delegates
	Staff and post graduate residents.
9	Prize distribution etc
7,	To Speakers
10	Valedictory Ceremony
	None
11	Highlights of the event
	After the seminar, the participants and the delegate were well informed about the discussed topics. The participants and delegates were satisfied as this discussion added much more into their knowledge.
12	Geotagged photographs / Normal photographs

Dr. VIKAS KUNVVAR SINGH Professor & Head Dept. of OMFS, MGDCH, Jaipur Registration No. A-0170

Dr. Vikas Kunwar Singh

Professor and Head of department

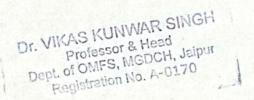
Department of Oral and Maxillofacial Surgery,

Mahatma Gandhi Dental College and Hospital,

Jaipur,









### 31st Dental Clinical Rounds



## Department of Oral and Maxillofacial Surgery

### History of presenting illness.



- Patient was apparently asymptomatic 3 years back when patient first noticed swelling over right cheek region
  - ✓ Mode of onset. gradual
  - ✓ Progress of disease: size of the swelling increased gradually over 3 years.
  - ✓ Swelling is associated with dull and intermittent pain and tenderness.
  - ✓ Treatment patient had not received any treatment in 3 years
- · No h/o trauma, fever or malaise

## 0

## A 60 year old male with right maxillary swelling since 3 years

Under the Guidance of:

Presenter:

Dr. Aayushi Agarwal 3rd year postgraduate resident Oral and Maxillofacial Surgery onder the Guidance of

Dr. Vikas Kunwar Singh Sir Professor and Head of Department Oral and Maxillofacial Surgery





- ✓No history of hypertension, diabetes mellitus or thyroid disorders.
- ✓ Past history: No h/o recent hospitalization.
- ✓Drug history: Pt was not on any medications
- √History of allergy: NRH
- Family history: No h/o similar illness, any known hereditary or syndromic conditions in the family
- P/h: H/o bidi smoking (1-2/day) since 20 years. Vegetarian by diet
- Dental history: Pt brushes teeth with toothpaste and medium soft bristles toothbrush once a day

60 years/ male reported to the OPD of OMFS on 21/09/2023

Chief Complaint

Patient c/o swelling over right cheek region since 3 years.



### Local examination



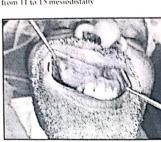
### Extraoral examination

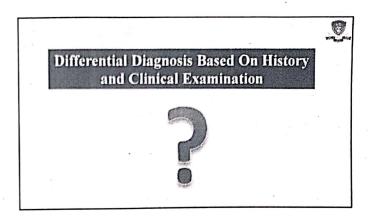
- · Facial asymmetry present
- Swelling over right nasolabial region extending from right alar floor to right zygomatic arch mesiodistally and from infraorbital region to oral commissure superoinferiorly
  - ✓ Measuring approximately 4cm x 5cm on inspection
  - ✓ Firm, hard, non-compressible, non-fluctuant, non-pulsatile swelling
  - ✓ Tender on palpation
  - ✓ Fixed to underlying tissue and overlying mucosa
- · Lymph nodes Soft and movable





- Swelling it right buccal vestibule extending from 11 to 15 mesodistally
- √ Firm, bony hard, non-compressible, nonfluctuant, non-pulsable swelling
- Tender on palpation
- Fixed to underlying tissue and overlying mucosa
- 16-21 Non vital Tooth mobility Absent
- Oral hygine Fair

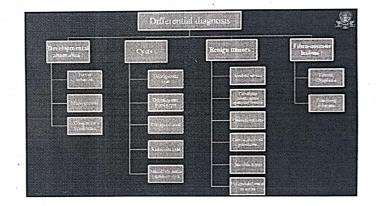




### Preoperative profile photographs



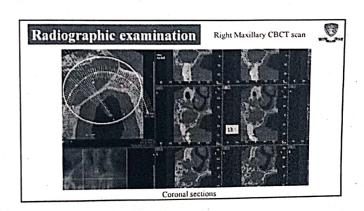




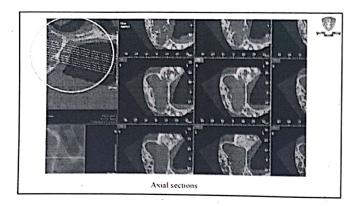
### Case Summary

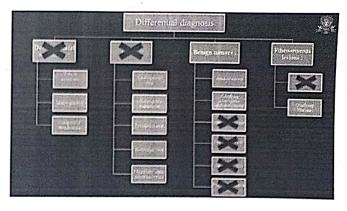


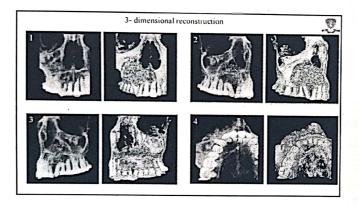
- · Swelling over right maxillary region since 3 years
- Firm, hard, non-compressible, non-fluctuant, non-pulsatile swelling
- · Tender on palpation

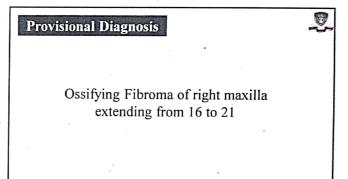


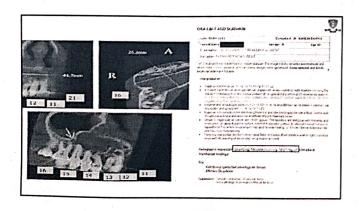


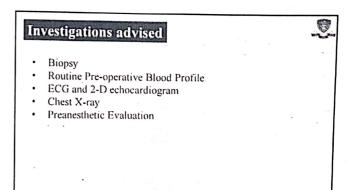






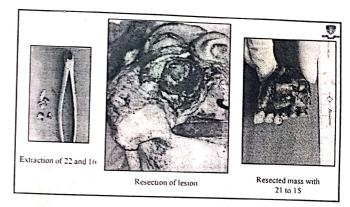






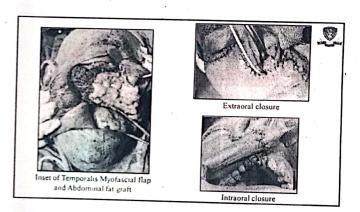


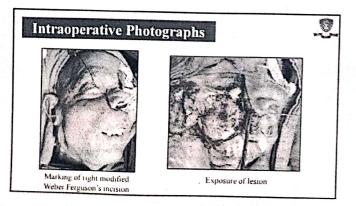
- Hb: 12.5 g/dl PT: 12.5 seconds INR: 1.157 Rbs: 96.5 mg/dl
- · All investigatons were WNL.
- · PAC was cleared.

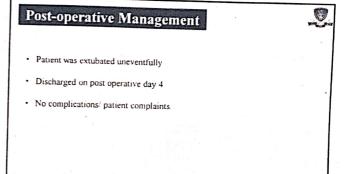


### Treatment plan

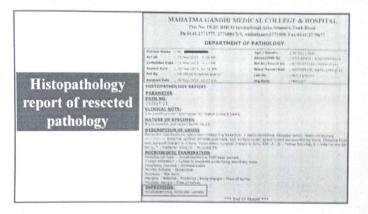
Resection (Maxillectomy) and soft tissue reconstruction under general anaesthesia

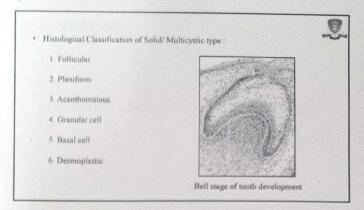


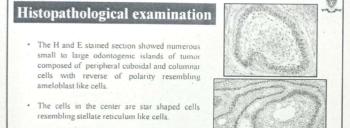






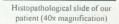


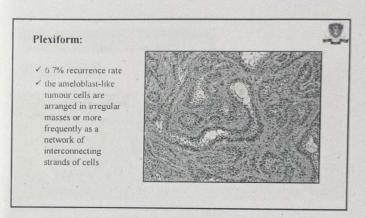


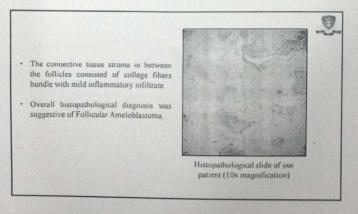


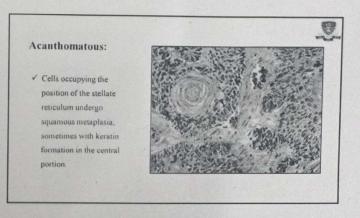
· Within the follicle, cystic degeneration of

stellate reticulum like cell was appreciated.











### Granular cell:

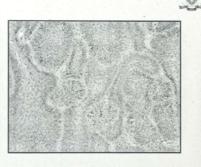
- ✓ 4.5% recurrence rate
- √ rare histopathological entity where there is marked transformation of the cytoplasm of the stellate reticulum-like cells, so that it takes on a very coarse, granular, eosinophilic appearance
- √ aggressive type

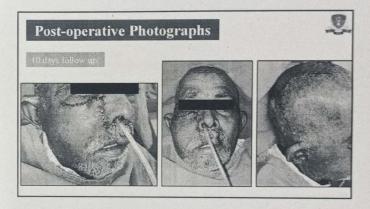


Final Diagnosis Follicular Ameloblastoma irt Right Maxilla

### Basal cell:

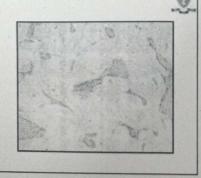
- ✓ rarest histologic subtype
- ✓ considerable resemblance to the basal cell carcinoma of the skin.

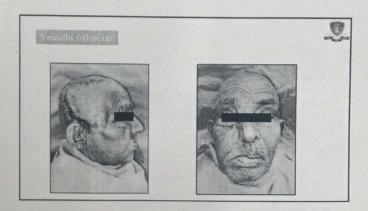




### Desmoplastic:

- ✓ rarely encountered
- ✓ consists of a dense collageneous stroma that may appear hyalinized and hypocellular

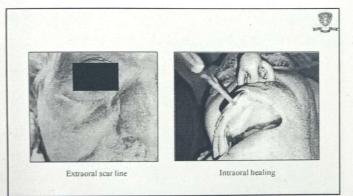




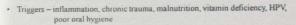




- · most common benign odontogenic tumors of the jaw
- · accounts for 10% of all tumors that arise in the mandible and maxilla
- · slow-growing but locally invasive tumor
- · painless swelling of the mandible or maxilla
- · high recurrence rate and a metastatic potential
- · 80% occur in the mandible, predominantly in the posterior mandibular region
- · Clinical (Leon Barne's) classification: Solid/ Multicystic, Unicystic, Peripheral and Desmoplastic



· Origin - embryonic remains of odontogenic cysts enamel organ exact pathogenesis unknown.



- Diagnosis radiographically (orthopantomography or CT scans) Findings are not pathognomonic and ambiguous.
- · Radiographic appearance multilocular radiolucency with well defined, corticated, scalloped margins, may cause extensive root resorption, tooth migration and displacement.

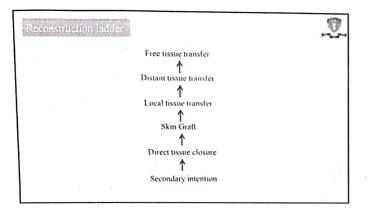
### Discussion



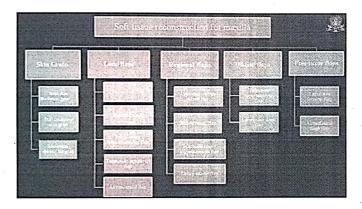
- · Unilateral maxillary swelling are rare and can be spectrum of disease
- For adequate evaluation, clinical, radiological and pathological correlation should be done followed by appropriate management with review of
- · A systematic approach to diagnosis with a high index of suspicion and an awareness of uncommon lesions is essential

Dr. VIKAS KUNWAR SINGH Professor & Head Dept of OMFS, MGDCH, Jaipur





Long-Term Follow-Up of a Novel Surgical Option Combining Fibula Free Flap and 3D-Bioprinted, Patient-Specific Polycaprolactone (PCL) Implant for Mandible Reconstruction



### Conclusion



- This case underscores the importance of:
  - a comprehensive approach in managing any maxillary swelling
     building up a justifiable diagnosis
     appropriate surgical intervention

  - √ diligent postoperative monitoring
- The selection of surgical and reconstructive techniques should be patient specific, considering tumor characteristics to minimize recurrence while preserving function and appearance.

## Recent developments and future scope Carbon ion radiotherapy for recurrent ameloblastoma: A case report Yihe Zhang', Xiaojun Li', Yanshan Zhang' , Yancheng Ye', Xin Pan', Tingchao Hu', Weizuo Chen', Hongyu Char', Xin Wang' and Yuling Yang'

### Take Home Message



- Swellings of the maxillofacial region can often be diagnostically challenging.
- Clinical and radiographic examination alone are not be sufficient to infer a fitting diagnosis
- Adequate surgical planning along with long term follow-up may provide desired results and reduce the rate of recurrence.
- A multidisciplinary team involving maxillofacial surgeons, oral pathologists and prosthodontists can considerably improve the quality of life of the





### Article references



- Ghai S. Ameloblastoma: an updated narrative review of an enigmatic tumor. Cureus 2022 Aug 6,14(8)
- Mohanty S, Kadanthode M, Verma A, Urs AB, Bansal N, Kumar P Tale of Ameloblastoma—An Experience Spanning Two Decades. Journal of Maxillotacial and Oral Surgery. 2024 May 20:1-8
- Chen C, Batstone M, Taheri T, Johnson N. Surgical resection and reconstruction of ameloblastoma: a 13-year retrospective review. Journal of Oral and Maxillofacial Surgery. 2024 Jul 1,82(7):862-8.
- Neagu D, Escuder-de la Torre O, Vázquez-Mahía I, Carral-Roura N, Rubin-Roger G, Penedo-Vázquez Á, Litaces-Rey R, López-Cedrún JL. Surgical management of ameloblastoma. Review of literature. Journal of chinical and experimental dentistry. 2019 Jan 1,11(1):e70.
- Dandnyal R, Gupta A, Pant S, Baweja IIII. Surgical management of anteloblastoma. Conservative or radical appreach. National journal of maxillofacial surgery. 2011 Jan 1,2(1):22-7.
- Singh M, Shah A, Bhattacharya A, Raman R, Ranganatha N, Prakash P. Treatment algorithm for anicloblastoma Case reports in dentistry. 2014;2014;(1):121032.
- Cordeiro PG, Santamaria E. A classification system and algorithm for reconstruction of maxillectomy and midlacial defects. Plastic and reconstructive surgery. 2000 Jun 1.105(7):2331-46.

### **Book references**



- Hitchens G. Shear's cysts of the oral and maxillofacial regions. British Dental Journal. 2023 Apr 28:234(8):569.
- Bonanthaya K, Panneerselvam E, Manuel S, Kumar VV. Rai A, editors Oral and maxillofacial surgery for the clinician. Springer Singapore; 2021.s
- Sivapathasundharam B. Shafer's Textbook of Oral pathology-E-Book. Elsevier Health Sciences: 2024 Oct 15.
- Ongole R, Praveen BN, editors. Textbook of oral medicine, oral diagnosis and oral radiology e-book.
   Elsevier Health Sciences: 2021 Apr 13.
- Reichart PA, Philipsen HP. Odontogenic tumors and allied lesions. (No Title). 2004 Jan

### Acknowledgement



### Respected

- Dr. M. L. Swarankar Sir (Emeritus Chairperson MGUMST)
- Dr Vikas Swarnkar Sir (Chairperson-cum-Chancellor, MGUMST)
- Dr. Achal Gulati (President and Vice Chancellor)
- Dr. V. K. Kapoor (Pro-Vice Chancellor)
- · Dr. Sudhir Sachdeva (Chief Advisor)
- · Dr. Narendra Padiyar U (Principal & Dean)
- Dr. Deepak Raisingani (Additional Principal)
- · Dr. Anshuman Jamdade (Convenor, DCR)
- · Heads of the Departments
- · Faculty members and Post graduate students







## Mahatma Gandhi Dental College & Hospital

MAHATMA GANDHI UNIVERSITY OF MEDICAL SCIENCES & TECHNOLOGY, JAIPUR (Sponsoring Body: India Education Trust)

RIICO Institutional Area, Sitapura, Tonk Road, JAIPUR - 302 022 (Raj.) INDIA Phone: 0141-2770300, 3292139 • Fax: 0141-2770326 email: principal.dental@mgumst.org

### 31st DENTAL COMBINED ROUNDS

"A 60 year old male with right maxillary swelling since 3 years"

Presenting Dept.: Oral and Maxillofacial Surgery

Date: 09/04/2025

### **Staff Attendance Sheet**

S.NO.	NAME	DESIGNATION	SIGNATURE
1.	Dr V K Kapoor	Pro-Vice Chancellor, MGUMST	
2.	Dr Narendra Padiyar U	Principal and dean, Professor and Head, Dept of Prosthodontics and crown and	
		bridge	
3.	Dr Deepak Raisingani	Professor and Head,	- 1 d
		Dept of conservative dentistry and	Do John
		endodontics	
4.	Dr Sumanth Prasad	Professor and Head,	
		Department of public health dentistry	
5.	Dr Anshuman Jamdade	Professor and Head,	A de la constante de la consta
		Department oral medicine and radiology	
6.	Dr Vikas K. Singh	Professor and Head,	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
		Department Oral & maxillofacial surgery	- K
7.	Dr Anant Nigam	Professor and Head,	
		Department of pediatric and preventive	
		dentistry	7,000
8.	Dr Kamal Bajaj	Professor and Head,	
		Department of orthodontics and	
		dentofacial orthopedics	
9.	Dr Ashish Yadav	Professor and Head,	
200		Department of periodontology	
10.	Dr Manish Jain	Professor and Head,	
		Department of oral pathology and oral	
		microbiology	
11.		Or. VIKAS KUNVVAR CIMGH Professor & Head Professor & Medich, Jaipur Dept. of OMES Medich, Jaipur	

12.	Dr. Amst	oms	Brib
13.	Dr. Mridula	Orthodontics	midul
14.	Dr. Shilp	OralPali	Shups .
15.	Dui Mykyl	Oral Path.	Juil
16.	Dr. Nivedela Saini	Cons L Endo	Mull
17.	Ds. Chasu Thani	Cons Sudo	Chain
18.	De having Thami	Lorder, ourses	Gothann,
19.	Da Aksha	Sh. lecturer, OMFS	Aksua
20.	Dr. Prachi Sharma	Sr. Lecturer, PHD	Trachis =
21.			
22.			
23.			J
24.			
25.	· · · · · · · · · · · · · · · · · · ·		
26.			
27.			
28.			
29.			
30.			
31.			
33.		*	
34.			
35.		Dr. VIKAS KUNWAR SINGH Professor & Head Professor & MGDCH, Jaipur	
36.		Dept. of OMFS, MGDCH, July Dept. of OMFS, MGDCH,	



(Sponsoring Body : India Education Trust)

RIICO Institutional Area, Sitapura, Tonk Road, JAIPUR - 302 022 (Raj.) INDIA Phone: 0141-2770300, 3292139 • Fax: 0141-2770326 email: principal.dental@mgumst.org

### 31th DENTAL COMBINED ROUND (DCR)

"A 60 year old male with right maxillary swelling since 3 years"

Presenting Dept.: Oral Maxillofacial And Surgery

Date: 09/04/2025

### Post-Graduate Attendance Sheet

S.NO	DEPARTMENT	S.NO.	NAME OF POST-	SIGNATURE
			GRADUATE	0.1
1.	Oral Medicine And	1	Kanishka Singh	Juigh.
	Radiology	2	Monika Gupta	Marile .
		3	Saurabh Kanawa	
		4	Reeya Garg	Perez
2	Oral And	5	Aayushi Agarwal	tarion .
	Maxillofacial Surgery	6	Krati Jajani	U
7		7	Mahima Jain	Mahima.
-		8	Krupa Chokshi	CHOLES -
		9	Tara Chand	Pasa.
		10	Pooja Sharma	200 hs
	· 5g	11	Samiksha Pamnani	. —
	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	12	Pooja Meena	noch
	in the second se	13	Divesh Jain	
		14	Avni Singh	Auni
		15	Hetal Vaya	
177 10		16	Kshitij Kumawat	
₩,		17	Sanjeevani	
		18	Shalu Choudhary	
		19	Swati Verma	`
3	Prosthodontics And	-20	Rajbir Kaur	
	Crown & Bridge	21	Naman Goyal	
		22	Poonjee Gupta	
		23	Ayushi Goyal	
		24	Khandhedia Harsh	
			Jayeshkumar	
		25	Rishika Singh	
1 10 700 - 7 1 100 +		26	Sanya Dayma	:
1 177 483 5 1 44		27	Patil Shweta Narendra Kumar	
		28		ofessor & Head
		29	- I July	WFS, WGDCH, Jaipur
	A CONTRACTOR OF THE CONTRACTOR	30	Akanksha Verma	adon No. A-CIAC



		31	Muskan Malik	
		32	Nandini Sharma	
		33	Prachi Singh	
	•	34	Shruti Ashok Rathod	
4	Conservative	35	Sohan Sharma L	John John John John John John John John
•	Dentistry &	36	Chanchal Meena	Land
	Endodontics	37	Ruchi Chandak	
	,	38	Poorva Sharma	
,		39	Anshum Jain	(1)
	,	40	Kusum Meena	Kries.
		41	Praveen Singh Chauhan	
		42	Sakshi Bilaiya	
		43	Vookanti Venkat Ramana	The state of the s
			Reddy	1 July 1
		44	Mohit Kumar Jyotiyana	
		45	Anusha Saxena	Kazera
		46	Khushi Bhargava	
		47	Kiran Gurdasani	
		48	Saumya Kanode	
		49	Mutyalwar Sunaina Shanka	
	1		Shankar	
5	Paediatrics &	50	Vipul Sharma	
*	Preventive Dentistry	51	Simran Vangani	Simeran,
		52	Vritika Singh	
18		53	Ghawate Nikhil Dattatraya	1000
	1000	54	Mrunal Milind Bandiwar	Chandinais
		55	Harsha Patni	
		56	Riya Bafna	
		57	Surbhi Surana	
		58	Anugya Jain	
		59	Muskan Rathore	
		60	Sanjana Verma	
		61	Sanika Pravin Rathi	
		62	Khushboo Parihar	
		63	Sanchi Pramod Meshram	-
7		64	Aditi Choudhary	
6	Periodontology	65	Hemant Sharma	
		66	Shashidhar Ojha	Mash
		67	Vaishali Sharma	Ch. A
		68	Pooja Shukla	-States -
		69	Srashti Katiyar	
		70	Priyanka Pawar	
1		71	Aakanksha	any
1 200		72	Abhivyakti Rajput	Menyally.
	0.1.10	73	Keertika Rathore	V
7	Orthodontics &	74	Priyanka Agarwal	ف السلام
	Dentofacial Orthopaedics	75	Mausham Chaudhary	Hend
L	Orthopaedics	76	Harshita Gautaman	Homen



	77	Soni Hitesh Kumar	
	78	Pallavi Goswami	8alauz
	79	Modak Ankur Rahul	med and
	80	Heena Khan	
	81	Richa Sharma	Edward:
	82 .	Mantrishna Sarma	
	83	Nivita Jewaria	
	84	Adarsh	Adarsh:
	85	Divyansh Raghav	I Town
	86	Pooja Sharma	Parja
	87	Rashmi Upadhyay	Capun
	88	Sanya Mathur	Course



# Mahatma Gandhi Dental College & Hospita

(A UNIT OF MAHATMA GANDHI UNIVERSITY OF MEDICAL SCIENCES & TECHNOLOGY)



RIICO Institutional Area, Sitapura, Tonk Road, JAIPUR - 302 022 (Raj.) INDIA

## DENTAL COMBINED ROUNDS (DCR)

## CERTIFICATE OF APPRECIATION

This is presented to Dr. Aayushi Agarwal

of Department of

العدال المجاز الواطعة المراجعة المراجعة المراجعة المراجعة المراجعة المراجعة المراجعة المراجعة المراجعة المراجعة

on 9th April, 2025

Dr. V. K. Kapoor Pro-Vice Chancellor MGUMST

> Dr. Narendra Padiyar U Principal & Dean MGDCH, Jaipur

Convenor, Dental Combined Rounds. Dept. of Oral Medicine & Radiology Dr. Anshuman Jamdade Professor & Head