

**GOVERNMENT DENTAL COLLEGE AND HOSPITAL, MUMBAI**  
**POST GRADUATE (MDS) INTERDEPARTMENTAL ACTIVITY**  
**REPORT**

**Date: 3<sup>RD</sup> JANUARY 2026**

**Venue: Lecture Theatre-2 (GDC & H, MUMBAI)**

**Time: 10:30 am**

The 1<sup>st</sup> session of PG interdepartmental activity for post graduate students in the course of MDS for the year 2026 and the launch of NEXUS JOURNAL 2025 and CASE OF THE MONTH SERIES 2025 was conducted under the guidance of Dr. Dimple Padawe, Dean, Govt. Dental College and Hospital, Mumbai.

Dr. Yogesh Salvi and Dr. Shreya Jadhav, editors of PG club hosted the ceremony gave a welcome speech to the gathering addressing the importance of the Interdepartmental NEXUS PG activity.

The program commenced with Dr. Dimple Padawe, Dean, Govt. Dental College and Hospital, Mumbai and Dr. Easwaran Ramaswami, the Officer In-charge (PG Cell), welcoming the Chief guest Dr. Mala Dixit, Dean, Nair Dental College & Hospital, Mumbai. Inauguration ceremony was commenced by traditional lamp lighting by the Dean, Chief guest and all the HODs of respected departments.

The NEXUS JOURNAL 2025 and 2025 and CASE OF THE MONTH SERIES 2025 was released at the hands of the chief guest, Dr. Mala Dixit in the presence of Dean, Dr Dimple Padawe and all the HODs along with Nexus editors Dr Pratik and Dr Niharika.


Dr. Pratik and Dr. Niharika were awarded by a certificate of appreciation for their contribution as the editors of Nexus 2025.

The first presentation of Nexus 2026 was presented by the Department of Prosthodontics, Crown and Bridge by Dr. Sanjana and Dr. Sahil on the topic 'Full Arch Implant Rehabilitaion using "All-on-4" and "All-on-6" concepts'

The second presentation was by the department of Periodontology by Dr. Silvia and Dr. Harshada on the topic 'Fundamentals in Implantology illustrated through variant clinical cases'

Ending the session with Vote of Thanks by our editors to Dean madam, Chief guests, all HODs, staffs and PG students.

# FLYER OF THE PROGRAM

  
**GOVERNMENT DENTAL COLLEGE & HOSPITAL, MUMBAI**

## Inaugural Ceremony

### NEXUS - 2026

and

- RELEASE OF NEXUS - JOURNAL 2025
- CASE OF THE MONTH SERIES 2025

By the Auspicious Hands of

## Dr. Mala Dixit

Dean  
Nair Hospital Dental College, Mumbai


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**Date:** 3<sup>rd</sup> January, 2026 | **Time:** 10.30 am. | **Venue:** Lecture Theatre -2

**Dr. Dimple Padawe**  
Dean  
Government Dental College & Hospital,  
Mumbai

**Dr. Easwaran Ramaswami**  
Officer In-Charge  
Postgraduate Cell

# BROCHURE OF THE PROGRAM

  
**GOVERNMENT DENTAL COLLEGE & HOSPITAL, MUMBAI**

## NEXUS

**AIM**  
To facilitate inter-disciplinary interaction and thereby enable post graduate students to understand the importance of multiple specialties in patient care.

**OBJECTIVES**


- To gain comprehensive knowledge of diagnosis and treatment planing through multi disciplinary approach and provide holistic patient care.
- To keep abreast about newer advances in different specialties of dentistry.
- To encourage students to develop their presentation skills.

**Dr. Dimple Padawe**  
Dean  
Government Dental College & Hospital,  
Mumbai

**Dr. Yogesh Salvi**  
Editor PG Club


**Dr. Easwaran Ramaswami**  
Officer In-Charge  
Postgraduate Cell

**Dr. Shreya Jadhav**  
Editor PG Club

  
**NEXUS**

<p><b>TOPIC :-</b> Fundamentals in implantology Illustrated through variant clinical cases</p>	<p><b>TOPIC :-</b> Full-Arch Implant Rehabilitation Using All-on-4 and All-on 6 Concepts</p>
<p><b>DEPARTMENT OF PERIODONTOLOGY</b></p>	<p><b>DEPARTMENT OF PROSTHODONTICS &amp; CROWN &amp; BRIDGE</b></p>
<p><b>ABSTRACT:</b> <b>Background</b> Implantology is a rapidly evolving field of dentistry that focuses on the replacement of missing teeth using dental implants. Dental implants serve as artificial tooth roots and provide functional and esthetic rehabilitation while preserving alveolar bone. The success of implant therapy is strongly influenced by biological principles, surgical precision, prosthetic planning, and long-term maintenance. <b>Aims</b> The aim of this abstract is to highlight the fundamental concepts of implantology, including implant materials and design, biological basis of osseointegration, clinical indications, surgical and prosthetic considerations, and factors affecting implant success and failure. It demonstrates their clinical application through a range of variant clinical cases with differing anatomical and biological challenges. <b>Materials and Methods</b> A narrative review of established implantology literature was combined with the analysis of representative clinical cases. These cases included single-tooth replacement in the esthetic zone, posterior edentulous sites with reduced bone density, immediate placement, and sites requiring bone modification technique. <b>Results</b> Titanium and titanium alloy implants demonstrate excellent biocompatibility and predictability due to their ability to achieve osseointegration. Proper case selection, adequate bone volume, atraumatic surgical technique, and controlled loading are critical for implant stability. Periodontal health and effective plaque control significantly influence peri-implant tissue response and long-term implant survival. <b>Conclusion</b> Dental implants represent a reliable treatment modality for the replacement of missing teeth when fundamental implantological principles are followed. A sound understanding of biological and mechanical factors, combined with careful treatment planning and maintenance, is essential for achieving long-term success. Knowledge of the basics of implantology is therefore indispensable for dental practitioners involved in restorative and periodontal care.</p>	<p><b>ABSTRACT:</b> Rehabilitation of the edentulous arch has evolved significantly with the introduction of full-arch implant-supported prosthetic concepts such as All-on-4 and All-on-6. These treatment modalities aim to provide a fixed, functional, and esthetic prosthesis using a reduced number of strategically placed implants, often allowing immediate loading while minimizing the need for advanced grafting procedures. The All-on-4 concept utilizes two anterior axially placed implants and two posterior tilted implants, whereas the All-on-6 approach employs six implants distributed along the arch to enhance support and load distribution.  This presentation provides an overview of the biomechanical principles, indications, contraindications, and surgical as well as prosthodontic considerations of both All-on-4 and All-on-6 implant concepts. Emphasis is placed on treatment planning, implant positioning, prosthetic design, occlusal considerations, and material selection. A comparative discussion highlights the advantages and limitations of each approach with respect to stress distribution, primary stability, long-term prognosis, and patient related factors such as bone quality and arch form.  All-on-4 is particularly advantageous in situations with limited posterior bone availability, whereas All-on-6 may offer improved load sharing in patients with adequate bone volume. In conclusion, both concepts represent predictable and effective treatment options for full-arch rehabilitation when appropriate case selection and meticulous prosthodontic planning are followed.</p>
<p><b>PRESENTER :-</b> <b>Dr. Silvia Saveinal Ng</b> <b>Dr. Harshada Mahajan</b></p>	<p><b>PRESENTER :-</b> <b>Dr. Sahil Shaikh</b> <b>Dr. Sanjana Bhosale</b></p>

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# CERTIFICATE OF APPRECIATION

Awarded to

*Dr. Pratik Walunjkar*

for their valuable contribution  
as **Nexus Editors**  
for the year- 2025

Dr. Dimple Padawe  
Dean

Government Dental College & Hospital, Mumbai

Dr. Easwaran Ramaswami

Officer In-Charge  
Postgraduate Cell



GOVERNMENT DENTAL COLLEGE & HOSPITAL, MUMBAI

# CERTIFICATE OF APPRECIATION

Awarded to

*Dr. Niharika Kumari*

for their valuable contribution  
as **Nexus Editors**  
for the year- 2025

Dr. Dimple Padawe  
Dean

Government Dental College & Hospital, Mumbai

Dr. Easwaran Ramaswami

Officer In-Charge  
Postgraduate Cell



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