



Dhvani

**The Official newsletter of
Department of Otorhinolaryngology
MAEER MIT Pune's MIMER Medical College
and Dr. BSTR Hospital**

Editors: Prof. Santhosh K. Rajamani, and
Prof. Devdatt P. Kotnis

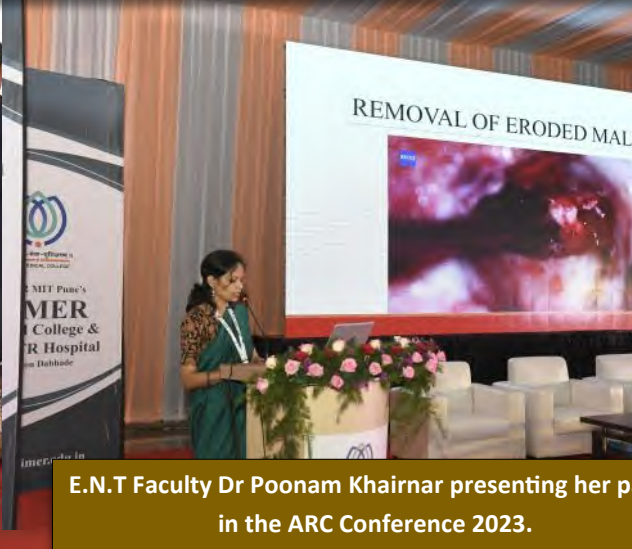
Jan 2024, Vol 3 Issue 1

Highlights of Conferences

Dr. BSTR Hos
Talegaon Dabhade, Pune
AL RESEARCH CONFERE
A Conclave on Adolescent Health



E.N.T Faculty Dr Kamalika P Roy won the first prize in Poster competition in the ARC Conference 2023.



E.N.T Faculty Dr Poonam Khairnar presenting her paper in the ARC Conference 2023.



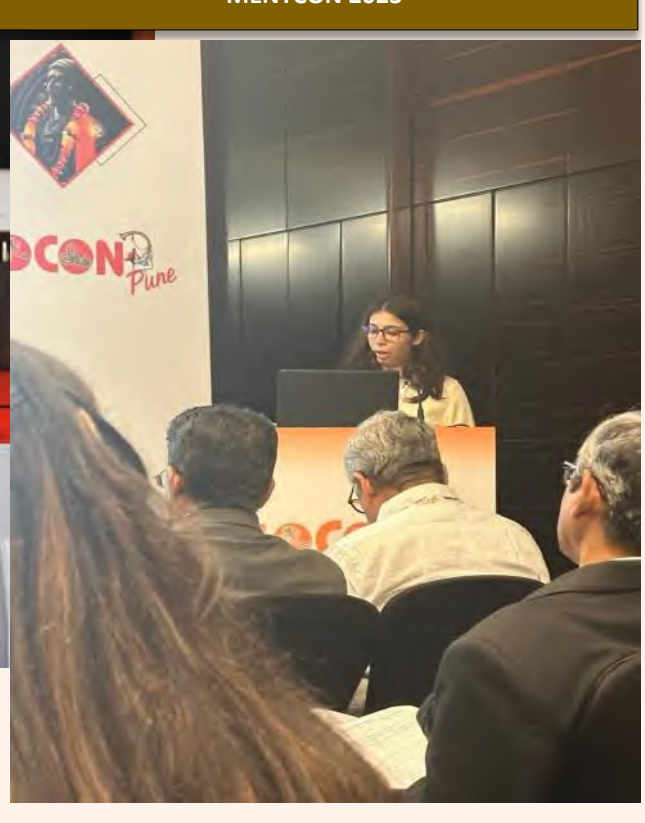
E.N.T Postgraduate students presented papers in National Otology Conference ISOCON 2023 and MENTCON 2023



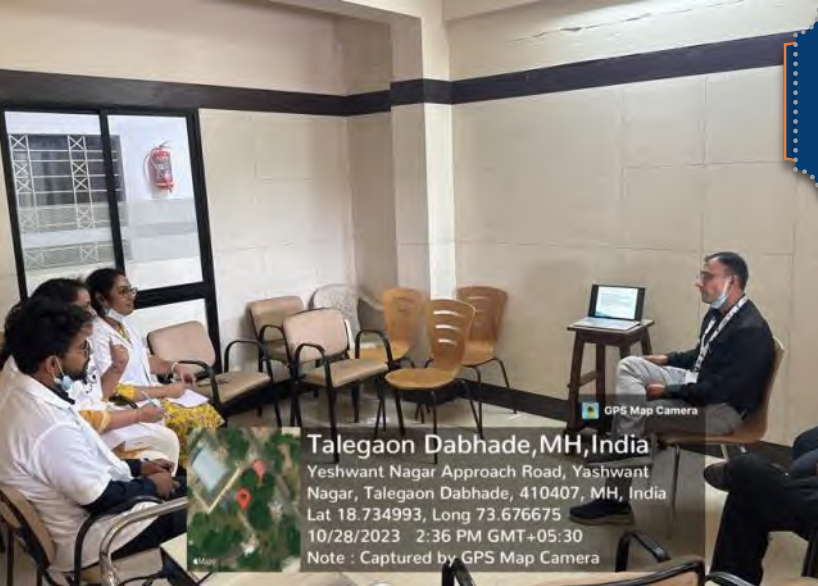
E.N.T Postgraduate students presented numerous papers in the ARC conference 2023.



E.N.T Faculty Santhosh Rajamani felicitating the session judge Naina Karodpati



Activities



Talegaon Dabhade, MH, India
 Yeshwant Nagar Approach Road, Yashwant
 Nagar, Talegaon Dabhade, 410407, MH, India
 Lat 18.734993, Long 73.676675
 10/28/2023 2:36 PM GMT+05:30
 Note : Captured by GPS Map Camera



Talegaon Dabhade, Maharashtra, India
 WORKSOP, DR B S T RURAL HOSPITAL AND M I. M. E. R. MEDICAL COLLEGE, Yashwant
 Nagar Approach Rd, Yashwant Nagar, Talegaon Dabhade, Maharashtra 410507, India
 Lat 18.7352°
 Long 73.67619°
 05/12/23 09:54 AM GMT +05:30

Department of E.N.T PG Orientation program- 28 OCT
 2023 2-4 PM

Good Clinical Practice GCP course was completed by all
 first year JRs.

Summative Internal assessment in form of OSCE in
 progress.



Dr. Gaurav Deepak Makhijani JR2 completed 1 month of
 observership at Department of E.N.T Sri Guru Ramdas
 Int. Medical Sciences Sri Amritsar Punjab



E.N.T Postgraduates cleared the Basic Course in
 Biomedical research conducted by ICMR



GPS Map Camera

Talegaon Dabhade, Maharashtra, India

WORKSOP, DR B S T RURAL HOSPITAL AND M I. M. E. R. MEDICAL COLLEGE, Yashwant
Nagar Approach Rd, Yashwant Nagar, Talegaon Dabhade, Maharashtra 410507, India
Lat 18.735195°
Long 73.676194°
04/12/23 11:03 AM GMT +05:30

Google



GPS Map Camera

Talegaon Dabhade, Maharashtra, India

WORKSOP, DR B S T RURAL HOSPITAL AND M I. M. E. R. MEDICAL COLLEGE, Yashwant
Nagar Approach Rd, Yashwant Nagar, Talegaon Dabhade, Maharashtra 410507, India
Lat 18.735195°
Long 73.676194°
04/12/23 11:02 AM GMT +05:30

Google

Celebration of days

On the occasion of International day of
the Disabled on 03 Dec 2023

Slogan Competition and Skit



Is being organized by
Department of E.N.T
MAEER MIT Pune's MIMER Medical College and Dr BSTR
Hospital Talegaon Dabhade Pune Maharashtra India

We are excited to announce that our department of E.N.T
will be celebrating International Disability Day on
December 4th, 2023. This year's theme is "Empowering
Persons with Disabilities and Ensuring Inclusiveness and
Accessibility." To mark this occasion, we are organizing a
slogan competition and skit performance by the Medical
students.

THE SLOGANS SHOULD BE ORIGINAL,
CREATIVE, AND THOUGHT-PROVOKING.

THE SUBMISSION DEADLINE IS 4
DECEMBER, 2023 TILL 10.00 A.M.

PARTICIPATION CERTIFICATE TO ALL
PARTICIPANTS.

EMAIL SLOGANS TO ENT@MITMIMER.COM

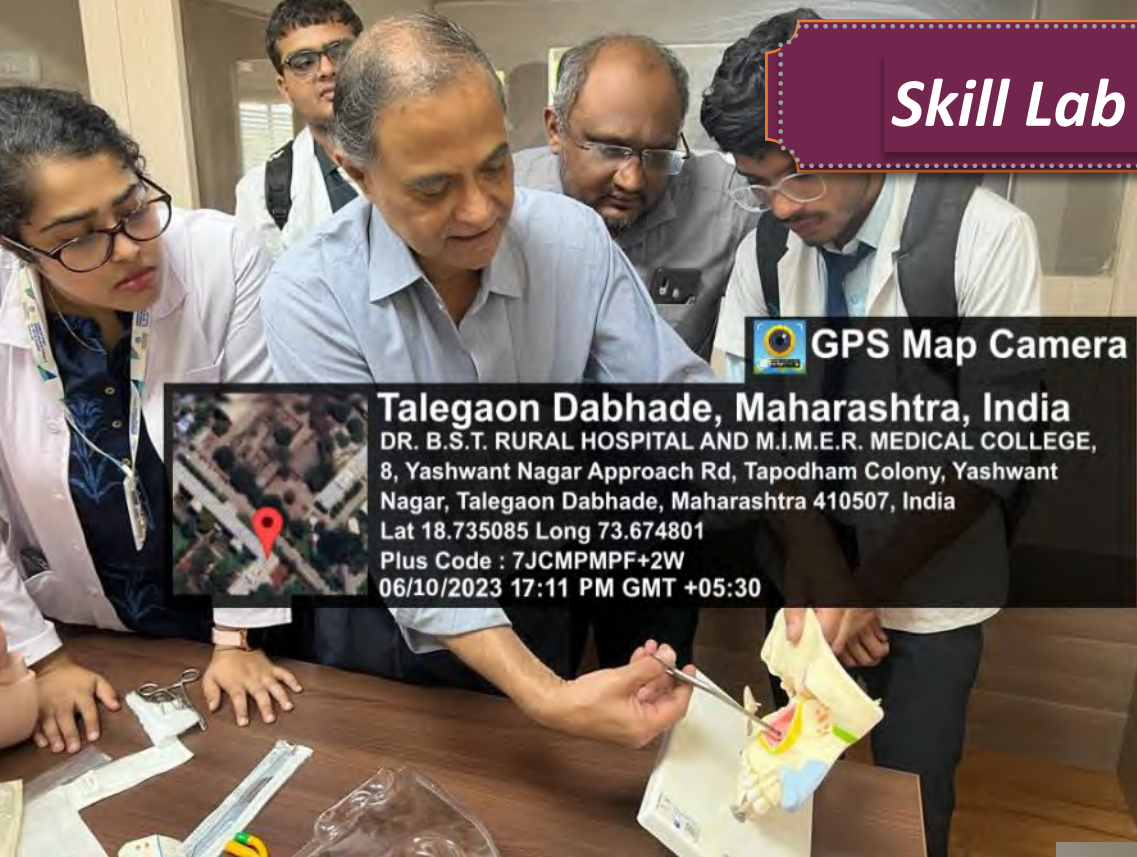
VENUE: DEPARTMENT OF E.N.T


TIME: MONDAY 4 DEC 2023 11.00 A.M.



WHO International Day of Persons with
Disabilities (IDPD) on 03/Dec/23— Celebrat-
ed 04 Dec 2023


Skill Lab sessions



 **GPS Map Camera**


Talegaon Dabhade, Maharashtra, India
DR. B.S.T. RURAL HOSPITAL AND M.I.M.E.R. MEDICAL COLLEGE,
8, Yashwant Nagar Approach Rd, Tapodham Colony, Yashwant
Nagar, Talegaon Dabhade, Maharashtra 410507, India
Lat 18.735085 Long 73.674801
Plus Code : 7JCMPPPF+2W
06/10/2023 17:11 PM GMT +05:30



 **GPS Map Camera**


Talegaon Dabhade, Maharashtra, India
DR. B.S.T. RURAL HOSPITAL AND M.I.M.E.R. MEDICAL COLLEGE,
8, Yashwant Nagar Approach Rd, Tapodham Colony, Yashwant
Nagar, Talegaon Dabhade, Maharashtra 410507, India
Lat 18.735085 Long 73.674801
Plus Code : 7JCMPPPF+2W



 **GPS Map Camera**

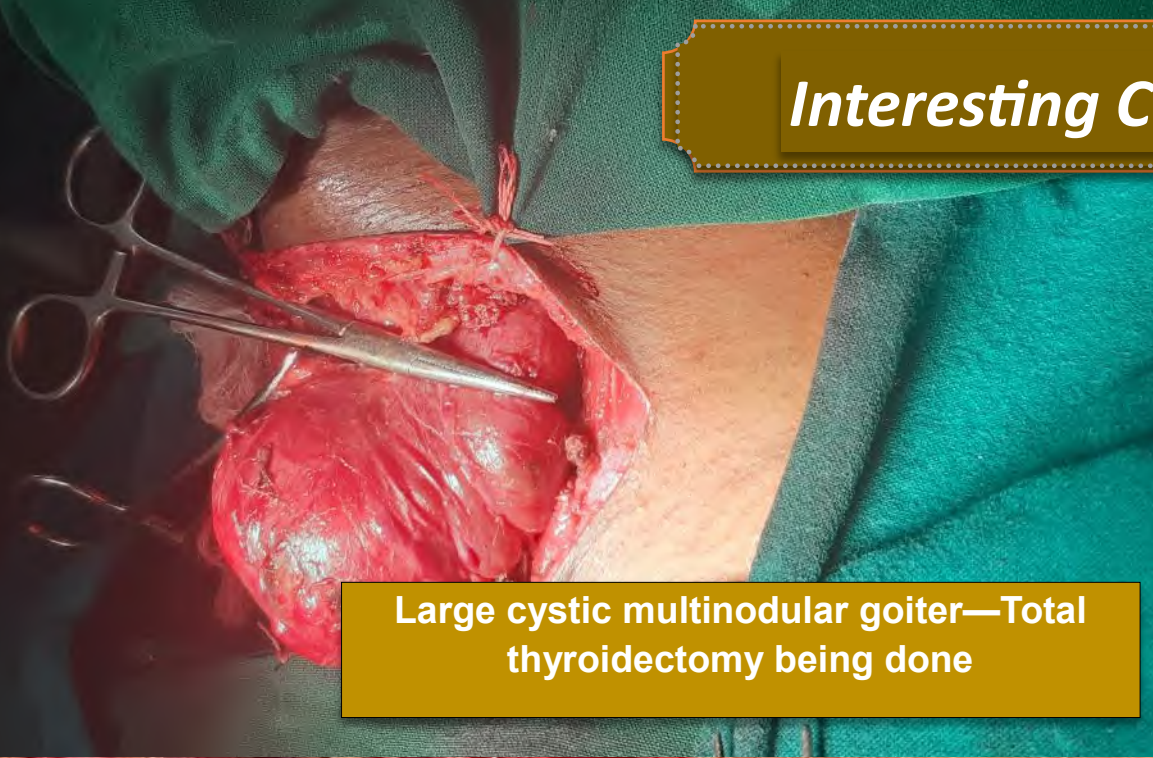
Talegaon Dabhade, Maharashtra, India
shop No 3 khau Gully, opp. Medical Collage, Yashwant Nagar, Talegaon Dabhade, Maharashtra
410507, India
Lat 18.73485°
Long 73.674555°
09/10/23 16:44 PM GMT +05:30



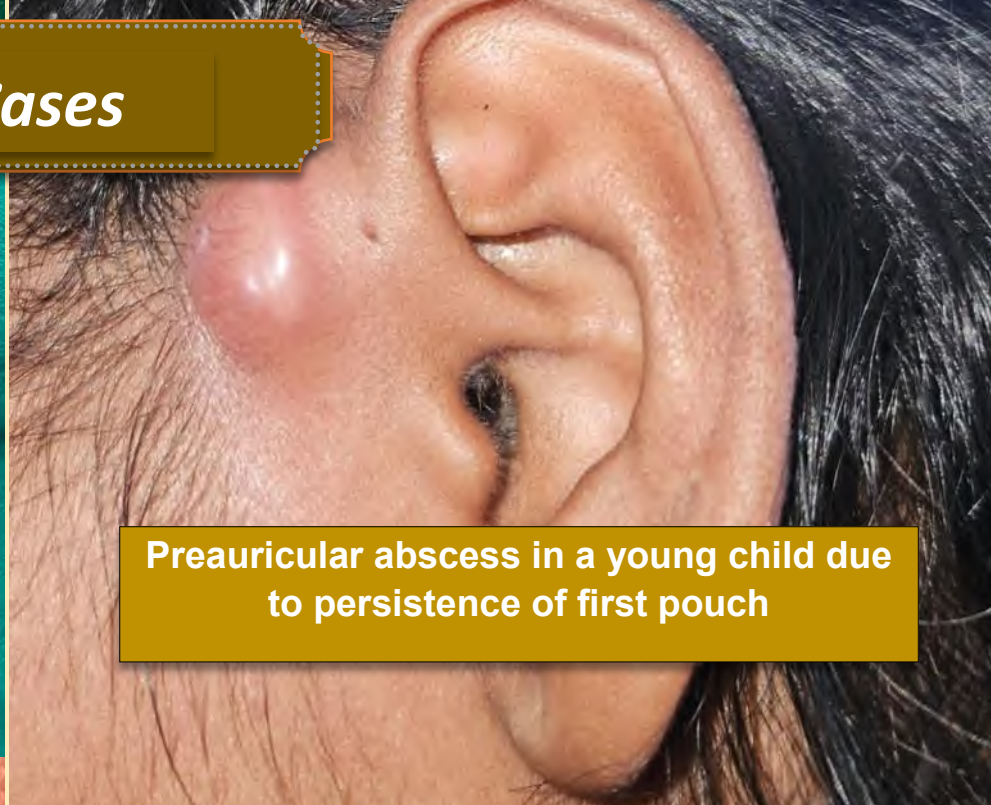
 **GPS Map Camera**

Talegaon Dabhade, MH, India
Yeshwant Nagar Approach Road, Yashwant
Nagar, Talegaon Dabhade, 410407, MH, India
Lat 18.735594, Long 73.675958
12/06/2023 09:38 AM GMT+05:30
Note : Captured by GPS Map Camera

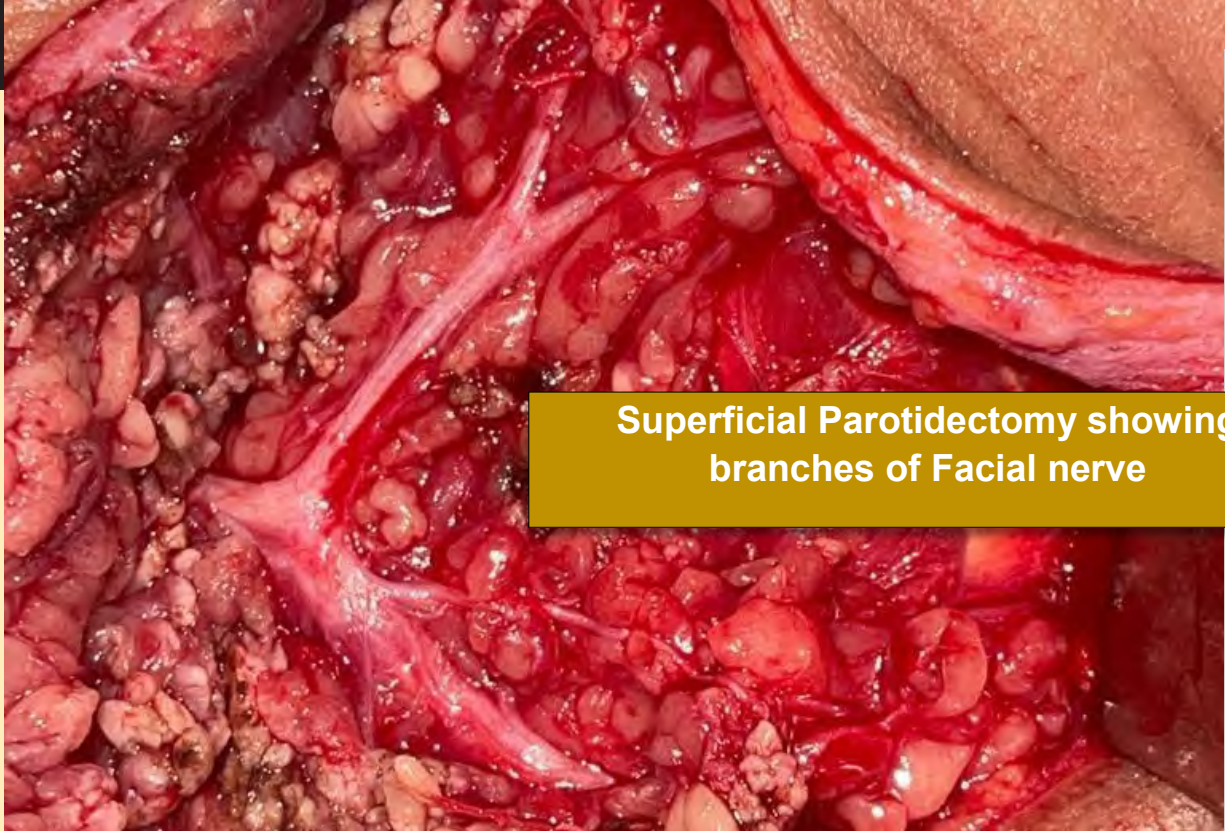
Interesting Cases



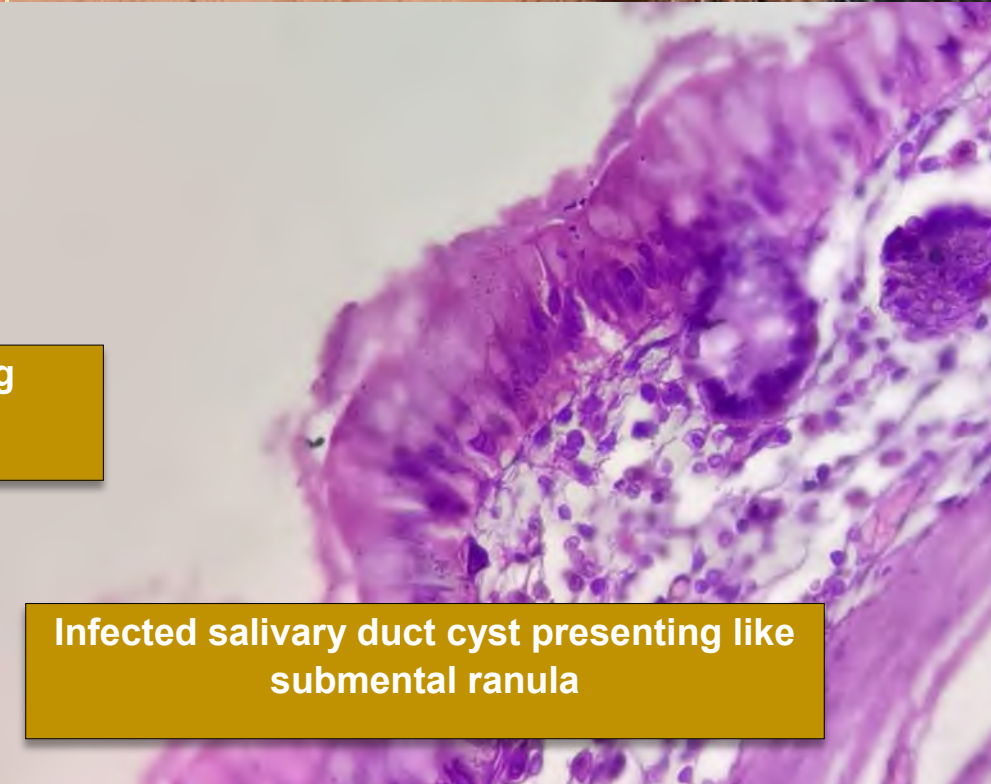
Large cystic multinodular goiter—Total thyroidectomy being done



Preauricular abscess in a young child due to persistence of first pouch



Superficial Parotidectomy showing branches of Facial nerve



Infected salivary duct cyst presenting like submental ranula



Dhvani

The Official newsletter of
Department of Otorhinolaryngology
MAEER MIT Pune's MIMER Medical College
and Dr. BSTR Hospital

Editors: Prof. Santhosh K. Rajamani, Prof. Dr. Santosh B
Mane, and Prof. Devdatt P. Kotnis

April 2024, Vol 3 Issue 3

A case of perichondritis of pinna, as seen in our
Out-patient clinic.

Activities



GPS Map Camera

Talegaon Dabhade, Maharashtra, India
DR B S T RURAL HOSPITAL AND M. I. M. E. R. MEDICAL COLLEGE, 8, Yashwant Nagar
Approach Rd, Yashwant Nagar, Talegaon Dabhade, Maharashtra 410507, India
Lat 18.735402°
Long 73.675795°
01/03/24 03:21 PM GMT +05:30



GPS Map Camera

Talegaon Dabhade, Maharashtra, India
CANTEEN, DR B S T RURAL HOSPITAL AND M. I. M. E. R. MEDICAL COLLEGE, Yashwant Nagar,
Talegaon Dabhade, Maharashtra 410507, India
Lat 18.735308°
Long 73.673925°
01/03/24 02:16 PM GMT +05:30



GPS Map Camera

Talegaon Dabhade, Maharashtra, India
PMPG+9C6, Yashwant Nagar, Talegaon Dabhade, Maharashtra 410507, India
Lat 18.735517°
Long 73.675981°
04/04/24 11:04 AM GMT +05:30

Antimicrobial Stewardship departmental orientation program– 1 March 2024, 2-5 PM conducted by Prof. Dr. Santhosh Kumar Rajamani.

Prof. Dr. Santosh B Mane conducting a vertical integration cadaver dissection session for students of Anatomy and E.N.T.

360 degree feedback to a resident Dr Ketki B. by ENT faculties Prof. Dr Devdatt P Kotnis and Dr. Sayali.



E.N.T Postgraduate Dr. Mustafa Amdani, and Dr Shivani Panhalkar cleared the Basic Course in Biomedical research conducted by ICMR.



Dr. Kamalika P. Roy was awarded the best poster presentation at Phonocon 2024 at the 19th Annual National Conference of Association of Phonosurgeons of India, held at Guwahati on 9-11 Feb 2024.



E.N.T Postgraduates completed workshop on orientation to Methods in Clinical Research.

Celebration of days



Yashwant Nagar, Talegaon Dabhade, 410507, MH, India

Latitude
18.741458°

Local 10:33:33 AM
GMT 05:03:33 AM

Longitude
73.671221°

Altitude 624.3 meters
Tuesday, 04/16/2024

MAHER MIT PUNE'S
MIMER Medical College & Dr. BSTR Hospital
Department of ENT and HNS

16th April 2024

World Voice Day

YOUR VOICE, YOUR POWER!!

CHERISH YOUR VOICE, DON'T PERISH... YOUR CHOICE!

Resonate
Educate
Celebrate

April 16th
VENUE: INDRAYANI SENIOR SECONDARY SCHOOL, TALEGAON DABHADE, PUNE

Time	TOPIC
8:30 AM TO 9 AM	RAISING AWARENESS AMONG SCHOOL STUDENTS ABOUT VOCAL HYGIENE AND VOICE DISORDERS. SPEAKER DR ANUSHA VENKATARAMAN
9 AM TO 9:30 AM	CARE OF THE PROFESSIONAL VOICE FOR SCHOOL TEACHERS. SPEAKER DR KAUSTUBH PATIL

April 17th
VENUE: MBBS LECTURE HALL, MIMER MEDICAL COLLEGE, TALEGAON DABHADE, PUNE

Time	TOPIC
8 AM TO 8:30 AM	WORLD VOICE DAY CONCERT JUDGES: DR GAURAV MAKHJANI, DR SHIVANI PANCHALKAR, DR MISHAL IBJI
8:30 AM TO 9 AM	DISCUSSION ON VOICE DISORDERS AND VOCAL HYGIENE FOR STUDENTS OF MBBS 3RD YEAR MINOR

PROGRAM CO-ORDINATOR
DR MUSTAFA AMDANI

World Voice day on 15 and 16 April 2024

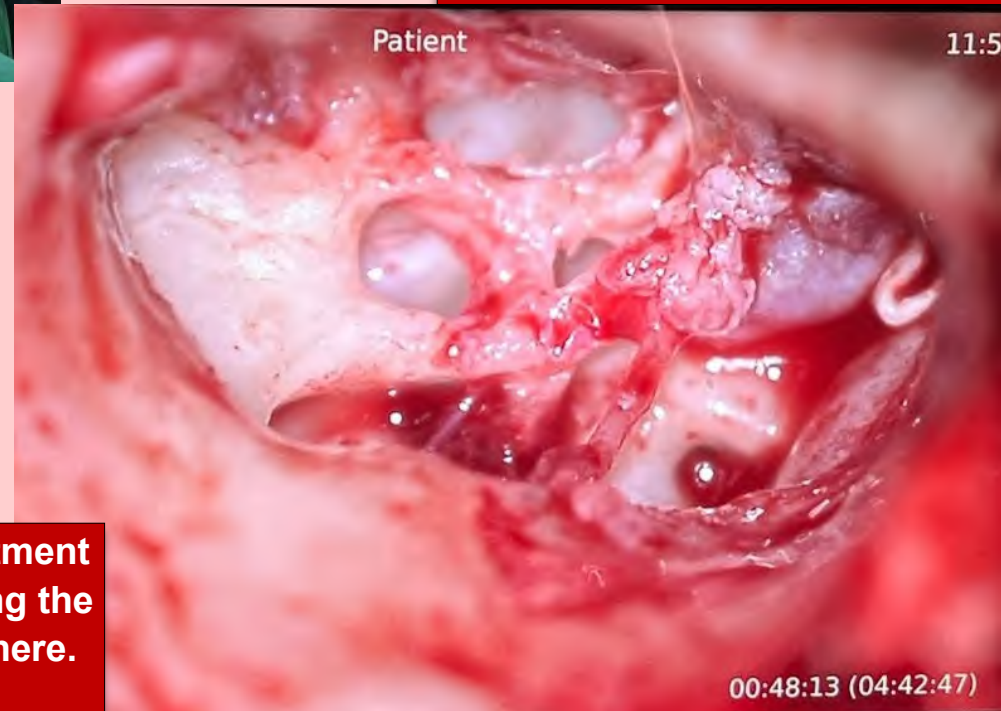
Images from our operation theater (OT)



Residents learning Rhinoplasty under tutelage of Dr. Virendra Ghaisas



Typical papillary projections, in the case of a inverted papilloma of the paranasal sinuses that was endoscopically operated in our ENT department.



Carl-zeiss microscope available with the E.N.T department offers high resolution, intra-operative images, showing the middle ear ossicles (small bones, used for hearing) here.

Publications

Prof. Dr. Faculty Santhosh Rajamani authored 4 chapters in edited volumes.



Article

Comparison of Halmágyi–Curthoys Head Impulse (Thrust) Test with Romberg's Test in Detection of Vestibular Hypofunctioning in Vertigo Patients

Santhosh Kumar Rajamani ^{1,*}, Radha Srinivasan Iyer ² and Anusha Venkatraman ¹

- ¹ MAEER MIT Pune's MIMER Medical College and DR. BSTR Hospital, Talegaon D, Pune 410507, India; anushavenkatra@gmail.com
² SEC Centre for Independent Living, Naigaon, Pune 410405, India; rads.physio@gmail.com
* Correspondence: minerva.santh@gmail.com; Tel.: +91-8356870938

Abstract: This study aimed to compare the diagnostic efficacy of the Halmágyi–Curthoys head impulse (thrust) test and Romberg's test in detecting vestibular hypofunctioning among two groups of 50 vertigo patients each; the two groups were randomly assigned. The assessment utilized the visual analog scale (VAS) to quantify subjective experiences of vertigo. The results revealed distinctive patterns in the detection of vestibular hypofunctioning, highlighting the strengths and limitations of each test. The Halmágyi–Curthoys head impulse test demonstrated utility in identifying vestibular hypofunctioning and its effect on vestibulo-ocular reflexes, particularly in cases with sudden head movements. Romberg's test was useful in assessing postural instability in vestibular hypofunctioning due to defects in vestibulospinal reflexes. The integration of VAS scores provided valuable subjective insights into the patient experience. This comparative analysis contributes to a nuanced understanding of diagnostic tools for vestibular hypofunctioning in vertigo patients, offering clinicians valuable information for tailored assessments and interventions.

Keywords: vertigo; dizziness; Halmágyi–Curthoys head impulse (thrust) test; Romberg's test

1. Introduction

The assessment of vestibular hypofunctioning in vertigo patients is a critical aspect of diagnostic protocols, influencing subsequent treatment decisions and patient outcomes. This study delves into the comparative evaluation of two widely employed tests, namely, the Halmágyi–Curthoys head impulse (thrust) test and Romberg's test, within the context of detecting vestibular hypofunctioning. With two distinct groups comprising 50 vertigo patients each, our investigation seeks to elucidate the nuanced strengths and limitations of these diagnostic tools [1].

1.1. Semicircular Canals

This three-dimensional diagram showcases the intricate arrangement of the inner ear's semicircular canals, the key players in our vestibular system's balance and spatial orientation game.

As shown in Figure 1, each canal, aptly named for its curved shape, lies within a different plane, ensuring comprehensive head movement detection across all three dimensions:

- Left superior semicircular canal (LSSC)—situated in the left temporal bone, roughly parallel to the ground when standing upright, it primarily senses head rotations in the roll plane (tilting side to side).
- Right superior semicircular canal (RSSC)—its mirrored counterpart on the right side, the RSSC also detects roll plane movements, along with pitch (forward and backward tilting) to some extent.



Citation: Rajamani, S.K.; Iyer, R.S.; Venkatraman, A. Comparison of Halmágyi–Curthoys Head Impulse (Thrust) Test with Romberg's Test in Detection of Vestibular Hypofunctioning in Vertigo Patients. *J. Otorhinolaryngol. Hear. Balance Med.* **2024**, *5*, 4. <https://doi.org/10.3390/ohbm5010004>

Academic Editor: Toshihisa Maurofushi

Received: 2 January 2024
Revised: 29 January 2024
Accepted: 4 February 2024
Published: 4 March 2024



Copyright: © 2024 by the authors. Licensee MDPI, Basel, Switzerland. This article is an open access article distributed under the terms and conditions of the Creative Commons Attribution (CC BY) license (<https://creativecommons.org/licenses/by/4.0/>).

Prof. Dr. Faculty Santhosh Rajamani authored paper on vertigo published in Journal of Otorhinolaryngology, hearing and balance medicine.

Chapter 13 Gamification of Medical Education Using Blender Software: Medical Education With Blender

Santhosh Kumar Rajamani

<https://orcid.org/0000-0001-6552-5578>

MAEER MIT Pune's MIMER Medical College, India & Dr. BSTR Hospital, India

Radha Srinivasan Iyer

<https://orcid.org/0000-0001-7387-4401>

SEC Centre for Independent Living, India

ABSTRACT

Blender is a powerful 3D creation software that can be used in various industries. However, it can also be used as a teaching tool through gamification. Gamification is the process of applying game design principles and mechanics to non-game contexts to make them more engaging and interactive. In teaching, gamification aims to make learning fun, motivating, and rewarding. Blender has features that can be used to create interactive games, simulations, and animations that can be used to teach various subjects. For example, in a science class, students can use Blender to create 3D models of cells, organs, and organisms, and then use game-like interactions to learn about their structure and functions. In a history class, students can use Blender to create historical scenes and characters, and then use animations and game-like interactions to learn about different periods and events. In addition, Blender's free and open-source nature makes it accessible to students and teachers around the world, making it a powerful tool for education.

DOI: 10.4018/979-8-3693-0716-8.ch013

Copyright © 2024, IGI Global. Copying or distributing in print or electronic forms without written permission of IGI Global is prohibited.

244

Chapter 19 Using Complex Network Analysis Techniques to Uncover Fraudulent Activity in Connected Healthcare Systems

Santhosh Kumar Rajamani

<https://orcid.org/0000-0001-6552-5578>

MAEER MIT Pune's MIMER Medical College, India & Dr. BSTR Hospital, India

Radha Srinivasan Iyer

<https://orcid.org/0000-0001-7387-4401>

SEC Centre for Independent Living, India

ABSTRACT

Complex network analysis is a powerful approach for finding fraud in a network. This is an application of graph theory that enables the depiction of relationships between entities as nodes and edges, which is one of the important elements of complex network analysis. Additionally, key players within the network who might be engaged in fraud might be found using advanced network analysis. Complex network analysis is an effective method for spotting fraud in a network because it provides comprehensive and systematic understanding of the links and interactions inside a network. This study describes Python NetworkX to analyze connected healthcare systems, focusing on fraud detection. Leveraging community detection algorithms, the research identifies cohesive groups within the network, revealing potential fraud clusters. Centrality measures assist in pinpointing influential nodes and detecting anomalous behavior. By integrating these techniques, the study aims to enhance fraud detection capabilities in healthcare networks, contributing to improved security and integrity within the system.

DOI: 10.4018/979-8-3693-2679-4.ch019

Chapter 11

The Phenomenon of Eco-Anxiety and Distress Related to Climate Change and Environmental Degradation

Santhosh Kumar Rajamani

<https://orcid.org/0000-0001-6552-5578>

MAEER MIT Pune's MIMER Medical College and Dr. BSTR Hospital, India

Radha Srinivasan Iyer

<https://orcid.org/0000-0001-7387-4401>

SEC Centre for Independent Living, India

ABSTRACT

Eco-anxiety refers to chronic fear of environmental doom due to climate change and ecological harm. It stems from lived experiences, media coverage, scientific reports, and government inaction. Climate anxiety is rising, especially among youth. Exposure to climate disasters and species/habitat loss can lead to climate grief. Eco-anxiety can manifest as fatalism, avoidance, activism, or compulsions. It reflects conflict between protecting nature and feelings of helplessness. Chronic climate distress heightens risks of depression, PTSD, panic, and substance abuse. Addressing eco-anxiety requires climate education and communication, mental health resources, government climate action, and research on coping strategies. Recognition of eco-anxiety establishes climate mitigation as imperative for collective psychological wellbeing.

DOI: 10.4018/979-8-3693-2177-5.ch011

Chapter 6 Application of Large Language Models (LLMs) in Women's Safety

Santhosh Kumar Rajamani

<https://orcid.org/0000-0001-6552-5578>

MAEER MIT Pune's MIMER Medical College, India & Dr. BSTR Hospital, India

Radha Srinivasan Iyer

<https://orcid.org/0000-0001-7387-4401>

SEC Centre for Independent Living, India

ABSTRACT

Large language models are sophisticated AI systems that process and produce text that resembles that of a human being by learning patterns from enormous volumes of data. These systems make it possible to do jobs like dialogue, translation, and content production. The most popular implementation of LLM is the generated pretrained transformer (GPT) family of LLM. LLMs can assist in women's safety in numerous ways. They can help in distress and prove to be a dependable tool for women in the event of a crisis. LLMs can be employed to create virtual support groups for susceptible women, virtual assistance in times of crisis or need, and enhance the safety of women by suggesting avoidance of certain roads or vicinities for safety concerns. App apps can function as safety alarms, safety education programmes, generative AIs to create appealing social media postings, blog entries, and videos, and safety-focused wearable technology.

INTRODUCTION

Women are vulnerable to violence in both public and private settings, including the home and the area around it, as well as in neighbourhoods and cities. Risk is influenced by decisions made about urban design and how public services, such as transportation and electricity, are organized. Greater levels of insecurity are felt by women, which can limit their access to and use of the city (Sankar et al., 2022).

DOI: 10.4018/979-8-3693-4100-6.ch006

Skill Lab sessions



GPS Map Camera

Talegaon Dabhade, Maharashtra, India
PMPF+3QV, Talegaon-Chakan Rd, Yashwant Nagar, Talegaon Dabhade,
Maharashtra 410507, India
Lat 18.73516°
Long 73.67436°
12/04/24 11:39 AM GMT +05:30



GPS Map Camera

Talegaon Dabhade, Maharashtra, India
PMPF+3QV, Talegaon-Chakan Rd, Yashwant Nagar, Talegaon Dabhade,
Maharashtra 410507, India
Lat 18.73516°
Long 73.67436°
12/04/24 11:42 AM GMT +05:30

Dr Akshaya Sundarie, mentoring students on E.N.T procedures, like Nasal packing.



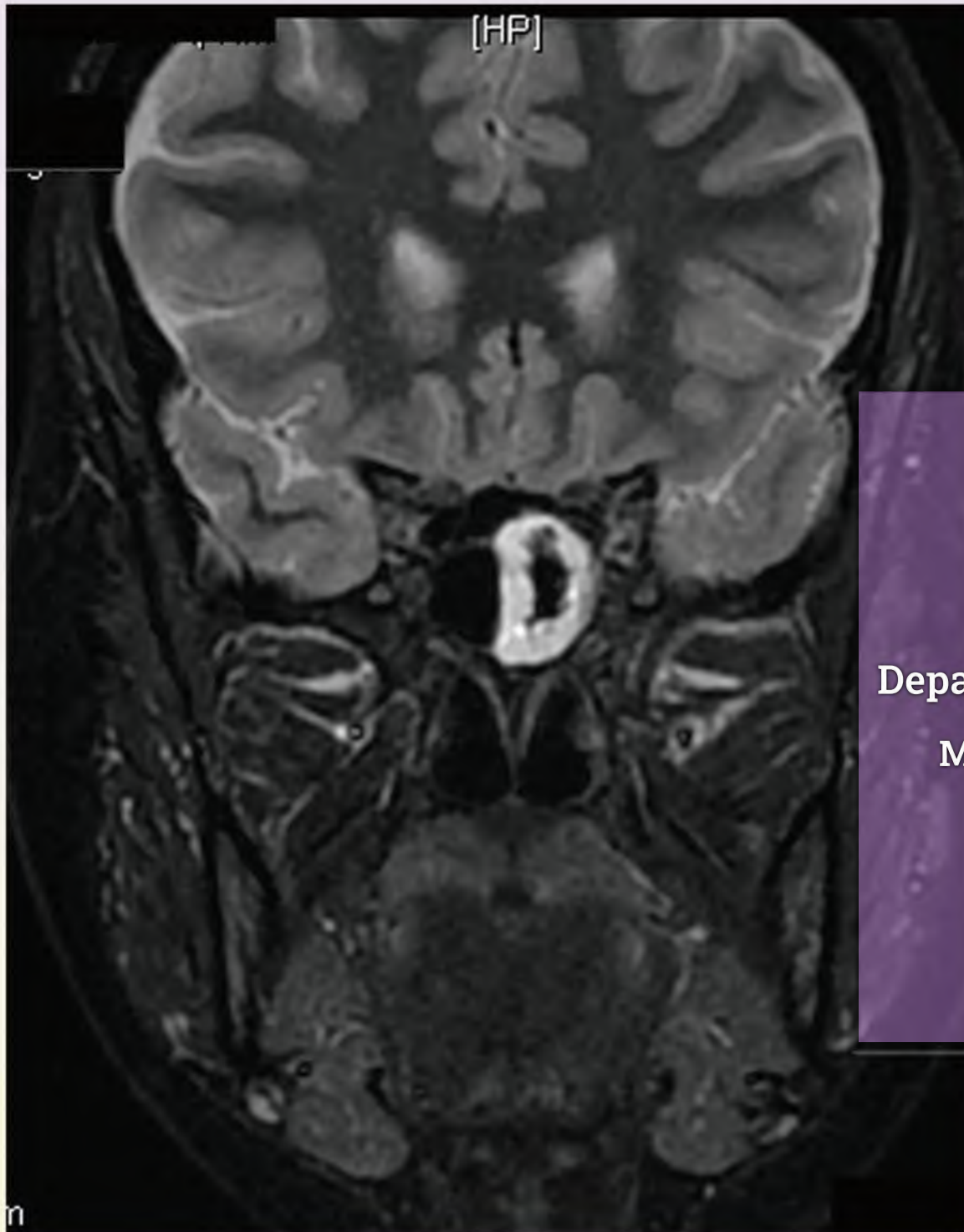
GPS Map Camera

Talegaon Dabhade, Maharashtra, India
PMPF+3QV, Talegaon-Chakan Rd, Yashwant Nagar, Talegaon Dabhade,
Maharashtra 410507, India
Lat 18.73516°
Long 73.67436°
11/04/24 09:39 AM GMT +05:30



GPS Map Camera

Talegaon Dabhade, Maharashtra, India
PMPF+3QV, Talegaon-Chakan Rd, Yashwant Nagar, Talegaon Dabhade,
Maharashtra 410507, India
Lat 18.73516°



Dhvani

The Official newsletter of
Department of Otorhinolaryngology (E.N.T)

MAEER MIT Pune's MIMER Medical College
and Dr. BSTR Hospital

Editors: Prof. Santhosh K. Rajamani, and
Prof. Devdatt P. Kotnis

July 2024, Vol 3 Issue 3

Magnetic Resonance Imaging scan of an rare isolated Left Sphenoidal sinusitis, in a patient presenting with a chronic vertex headache.

Activities



Inter Departmental Journal Club presentation on 21/05/2024
by
Dr. Manalee Das, Junior Resident 1




Dr Anusha Venkatraman, Junior Resident 2
won the Best dissector award in
Temporal bone dissection workshop conducted
at Shatabdi Hospital, Mumbai on 12 and 13 July 2024




Morbidity and Mortality meeting presentation on 28.05.2024
by
Dr Anusha Venkatraman, Junior Resident 2

ADVANCED CARDIOVASCULAR LIFE SUPPORT

ACLS Provider



Kaustubh Patil
has successfully completed the cognitive and skills evaluations in accordance with the curriculum of the American Heart Association Advanced Cardiovascular Life Support (ACLS) Program.


Issue Date 04 May 2024	Renew By May 2026
Training Center Name Symbiosis Centre for Health Skills (SCHS)	Instructor Name Dr Venkatesh Dhat
Training Center ID ZZ15509	Instructor ID 06112650183
Training Center City, Country Lavale, Pune, Maharashtra, India	eCard Code 245628253217
Training Site Name Symbiosis Center for Health Skills	QR Code 

To view or verify authenticity, students and employers should scan this QR code with their mobile device or go to <https://records.heart.org/International>.
© 2020 American Heart Association. All rights reserved. 20-2917 11/20


FDPS

BASIC LIFE SUPPORT

BLS Provider



Shivani Panhalkar
has successfully completed the cognitive and skills evaluations in accordance with the curriculum of the American Heart Association Basic Life Support (CPR and AED) Program.

Issue Date 02 May 2024	Renew By May 2026
Training Center Name Symbiosis Centre for Health Skills (SCHS)	Instructor Name Dr Venkatesh Dhat
Training Center ID ZZ15509	Instructor ID 06112650183
Training Center City, Country Lavale, Pune, Maharashtra, India	eCard Code 245608252690
Training Site Name Symbiosis Center for Health Skills	QR Code 


To view or verify authenticity, students and employers should scan this QR code with their mobile device or go to <https://records.heart.org/International>.
© 2020 American Heart Association. All rights reserved. 20-2900 11/20

The Elsevier Office of Continuing Medical Education certifies that
Santhosh Kumar Rajamani
has participated in the Internet point-of-care activity titled
"Esophagus"
"Esophagus and Stomach"

and is awarded
0.5 AMA PRA Category 1 Credit(s)[™]

Elsevier Office of CME is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians. Elsevier Office of CME designates this internet point of care activity for a maximum of 0.5 AMA PRA Category 1 Credit(s)[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Regi Ch-G
Regina Chavous-Gibson, MSN, RN
Accredited Provider Program Director
July 19, 2024




**MAEER MIT Pune's
MIMER MEDICAL COLLEGE & Dr. BSTR HOSPITAL
Talegaon Dabhade, Pune-410507**

"MANTHAN"- Mentoring the Mentors

Certificate of Participation

This is to certify that Dr. Devdatta Kotnis
attended the workshop on Mentorship organized by IQAC & Mentorship Committee of MIMER Medical College, Talegaon Dabhade on 13th June 2024.

<i>S. Sharma</i> Dr. Sushma Sharma Chairman Mentorship Committee	<i>J. Jaisan</i> Dr. Janice Jaisan Coordinator IQAC	<i>K. Kulkarni</i> Dr. Sandhya Kulkarni Principal MIMER Medical College
--	---	---

Junior residents completed Basic and Advanced Cardiac Life Support on 04 May 2024 – Dr Gaurav M, Dr Shivani P, and Dr Kaustubh P.



**MAEER MIT Pune's
MIMER MEDICAL COLLEGE & Dr. BSTR HOSPITAL
Talegaon Dabhade, Pune-410507**

"MANTHAN"- Mentoring the Mentors


Certificate of Participation

This is to certify that Dr. Poonam Khairnar
attended the workshop on Mentorship organized by IQAC & Mentorship Committee of MIMER Medical College, Talegaon Dabhade on 14th June 2024.

<i>S. Sharma</i> Dr. Sushma Sharma Chairman Mentorship Committee	<i>J. Jaisan</i> Dr. Janice Jaisan Coordinator IQAC	<i>K. Kulkarni</i> Dr. Sandhya Kulkarni Principal MIMER Medical College
--	---	---

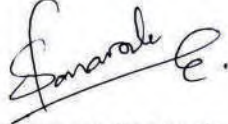
"MANTHAN"- Mentoring the Mentors workshop on Mentorship organized by IQAC & Mentorship Committee of MIMER Medical College, Talegaon Dabhade on 14th June 2024. Dr Devdatt P. Kotnis, Dr Santhosh K. Rajamani, Dr Poonam Khairnar and Dr Kamalika P Roy

UNIVERSITY WORK


बै.जी.शासकीय वैद्यकीय महाविद्यालय व ससून सर्वोपचार रुग्णालय, पुणे.
कान,नाक व घसाशास्त्र विभाग
दुरध्वनीक. ०२०-२६२०२६०६
जा.क्र.बैजीशावेम/कान,नाक व घसा/८२/२०२४
Email-hodentbjgmc@gmail.com
दि:- ०६/०५/२०२४

CERTIFICATE

This is to certify that Dr.Santhosh kumar Rajamani , Professor of ENT , MIMER Medical College ,Talegaon,Pune has conducted the practical examination of M.B.B.S.(Part I) held from 04th June 2024 as an external examiner.



Dr.Sanajy Kumar Sonawale
Convenor,
Associate Professor
Dept of ENT
B.J.Govt. Medical College &
Sassoon General hospital Pune
Associate Professor
Department of ENT.
B.J. Govt. Medical College &
Sassoon General Hospital, Pune

Prof. Dr. Santhosh Kumar Rajamani was appointed as Examiner for UG MBBS E,N,T practical at B. J. Government Medical College, Pune



MAEER MIT PUNE's
MIMER Medical College & Dr. BSTR Hospital,
Talegaon Dabhade

Ref. MIMER /Office Order /1257 /06/2024

Date: 18/06/2024

OFFICE ORDER

Dr.Santhosh Kumar Rajamani, Professor, Dept. of ENT will assist as Senior Supervisor to Dr.Jitendra Mane , Professor , Dept. of OBGY Centre Incharge for MUHS Summer- 2024 Theory Examination from 22nd June 2024 to 22nd July 2024.



Ksanthosh
Principal 18.6.24

PRINCIPAL
MIMER MEDICAL COLLEGE
TALEGAON DABHADE
PUNE - 410507

Copy to:

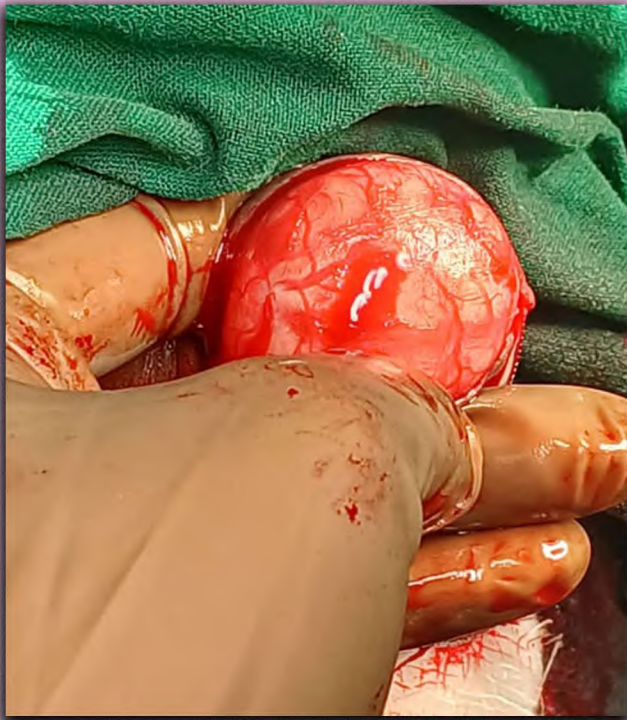
- Dr.Jitendra Mane, Professor , OBGY Centre In-charge
- Dr.Santhosh Kumar Rajamani, Professor, ENT Dept.

Copy for information :-

- HOD OBGY Dept.
- HOD ENT Dept.
- Accounts Dept.

Prof. Dr.Santhosh Kumar Rajamani was appointed as Senior Supervisor of MUHS Summer- 2024 Theory Examination from 22nd June 2024 to 22nd July 2024

Interesting cases



A Preauricular sebaceous cyst excised, note the yellowish hue of the swelling is due to pultaceous material inside this cutaneous lesion.



A Post-auricular sinus due to persistence of 2nd pharyngeal pouch, this is reduplication anomaly, and maybe in intricate relationship with the Facial nerve.





**2nd Temporal Bone
Dissection Course
2nd and 3rd Aug 2024**

Dhvani

The Official newsletter of
Department of Otorhinolaryngology (E.N.T)

MAEER MIT Pune's MIMER Medical College
and Dr. BSTR Hospital

Editors: Prof. Santhosh K. Rajamani, and
Prof. Devdatt P. Kotnis

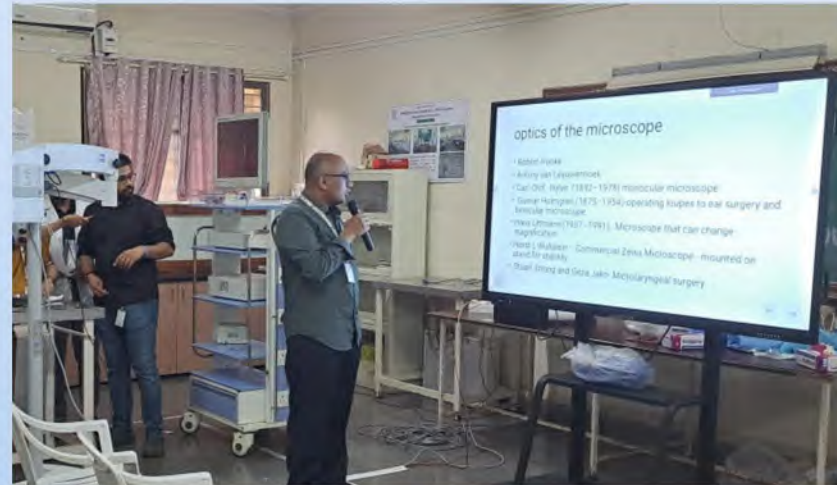
Aug 2024, Vol 3 Issue 4

Activities



TempoThe 2nd Temporal Bone Dissection Course was successfully conducted on the 2nd and 3rd of August 2024, attracting 20 participants from across India.

This intensive course provided a comprehensive hands-on experience in temporal bone dissection, enabling participants to enhance their surgical skills under expert guidance. The event was marked by active engagement and collaborative learning, as attendees practiced advanced techniques in a controlled environment, fostering both confidence and precision in otological procedures.



Activities

MAEER MIT PUNE'S
**MIMER Medical College &
Dr. BSTR Hospital**
Talegaon Dabhade

Department of E.N.T

World Day of The Deaf Celebration
25 Sep 2024

1. Poster Competition for students on the theme **"Protect your hearing from loud noise"**
2. Awareness talks for patients
3. Skit by Interns

Rules

- * All students are eligible to participate
- * Mention your name and batch on the poster
- * Digital ePoster and paper posters are acceptable
- * Last date of submissions - Morning 9 AM of 25 Sep 2024
- * Email posters to ent@mimerc.com or submit at the desk of the clerk
- * Posters must be of minimum A4 size or above

Venue:
E.N.T OPD no 28
Department of E.N.T

Date : 25 Sep 2024

Time : 11 AM to 1.00 PM

Contact for further information:
Prof. Dr. Santosh Kumar Rajamani
8356870935



MAEER MIT Pune's MIMER Medical College and
Dr BSTR Hospital
Department of ENT

World Patient Safety Day 17 Sep 2024
जागतिक रुग्ण सुरक्षा दिन **17 Sep 2024**

Sensitization Program on Patient Safety

शिक्षकेतर कर्मचाऱ्यांसाठी रुग्ण सुरक्षा कार्यक्रम
आयोजक:

ई.एन.टी विभाग, मायमर मेडिकल कॉलेज

Patient Safety Program for Non-Teaching Staff

Organized by the Department of E.N.T,
MIMER Medical College

वेळ:
सकाळी 11 ते 11:55

Time
11 AM to 11.55 AM

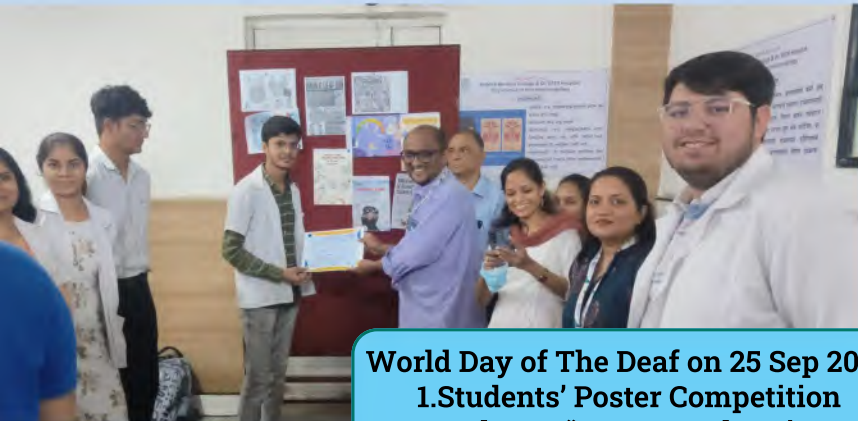
स्थळ:
लायब्ररी हॉल, पहिला मजला
ई.एन.टी विभाग, मायमर मेडिकल कॉलेज

Venue
Library Hall, First Floor
ENT Dept, MIMER Medical College



**World Patient Safety day on 17
Sep 2024**

Sensitization Program on Patient safety for Non-teaching staff. A sensitization program is planned to educate non-teaching staff on patient safety, emphasizing best practices and their critical role in maintaining a safe healthcare environment.



World Day of The Deaf on 25 Sep 2024

1. Students' Poster Competition on theme **"Save your hearing from loud noise"**
2. Awareness talks for patients
3. Skit by Interns on **"Pathos of Hearing impairment"**



AWARDS



Anusha Venkatraman won the best dissector award in temporal bone dissection workshop for micro ear surgery 12th and 13th July 202, held at Shatabdi Hospital conducted by Association of Otolaryngologists of India.

MAER MIT PUNE'S
MIMER Medical College & Dr. BSTR Hospital
 Talegaon Dabhade
 Department of Otorhinolaryngology and Anatomy
 Organises

2ND TEMPORAL BONE DISSECTION COURSE

Date 2nd & 3rd August 2024
Time 08.00 am Onwards
Venue: Anatomy Dissection Hall
 MIMER Medical College & Dr. BSTR Hospital
 Talegaon (D), Pune

[CLICK HERE FOR PAYMENT](#)
 (Applied for CME credit points under Maharashtra Medical Council)

ORGANIZING COMMITTEE

Dr. Devdatta P. Kotnis Professor & Head, Dept. of Otorhinolaryngology Organizing Chairman	Dr. Shashank Vedpathak Professor & Head, Dept. Of Anatomy
Dr. Santhosh K. Rajamani Professor, Dept. of Otorhinolaryngology Organizing Secretary	Dr. Vivek Nirmale Professor, Dept. of Anatomy
Dr. Poonam M. Khairnar Associate Professor, Dept. of Otorhinolaryngology	Dr. Kamalika P. Rey Assistant Professor, Dept. of Otorhinolaryngology
Dr. Akshaya Sundarie Senior Resident, Dept. of Otorhinolaryngology	Dr. Sayali B. Goregaonkar Senior Resident, Dept. of Otorhinolaryngology

REGISTRATION

Registration charges, (Non-residential) GST is included:
Hands-on Temporal bone dissection workshop - Rs 18,000/-
Only Observer - Rs 5,000/-

Bank Details:

Bank Name : Bank of India
 Branch : Talegaon Dabhade
 Name of Account :
 MIMER MEDICAL COLLEGE - CME & WORKSHOP
 Account No: 062110210000024
 Payable at : PUNE
 IFSC Code : BKID0000621
 PAY WITH ANY APP



Images of 2nd Temporal Bone Dissection Course conducted by Department of E.N.T In association with Department of Anatomy



MAEER MIT PUNE'S

**MIMER Medical College & Dr. BSTR Hospital
Talegaon Dabhade**

Department of E.N.T

organizes

**Guest Lecture
on
Basics of Obstructive Sleep Apnoea**

Speaker: Dr. Nilesh Madkikar



Date : 27- Nov -2024 (Wednesday)

Time: 2.00 PM to 3.00 PM

Venue : Skill Lab, 3rd Floor,
College Building,
MIMER Medical College,
Talegaon D Pune

ALL ARE INVITED TO ATTEND!

Contact

**Dr. Akshaya Sundarie
9970071057**

Dhvani

The Official newsletter of
Department of Otorhinolaryngology (E.N.T)

MAEER MIT Pune's MIMER Medical College
and Dr. BSTR Hospital

Editors: Prof. Santhosh K. Rajamani, and
Prof. Devdatt P. Kotnis

Dec 2024, Vol 3 Issue 5

Activities



The event "Rigid Endoscopy of Upper Aerodigestive Tract on Mannequins" was organized for postgraduate (PG) students to enhance their practical skills in performing rigid endoscopy, a critical diagnostic and therapeutic procedure in otolaryngology. The purpose was to provide hands-on training in a controlled, risk-free environment using high-fidelity mannequins, allowing PGs to familiarize themselves with the equipment, techniques, and anatomical landmarks of the upper aerodigestive tract.



A guest lecture was organised by the Department of ENT on 27/11/2024 on the 'Basics of Sleep Apnea'. The session was conducted by Dr Nilesh Madkiker, who outlined the physiological mechanisms behind obstructive and central sleep apnea, as well as the impact on overall health.



Awards

Certificate No: PRAJRID1274268AN

Asian Journal of Research in Infectious Diseases
Certificate of Excellence in Reviewing
 awarded to
Prof. Dr. Santhosh Kumar Rajamani
 MIMER Medical College, India

in recognition of an outstanding contribution to the quality of the journal.

Date: 25.11.2024
 Validation Link: <https://dashboard.pearreviewcentral.com>
 Username: mimsrva.santh@gmail.com
 Password: d4jGhdyVtaM
 Please use your login and password to check the authenticity.


Dr. M. B. Mondal
 Chief Managing Editor

Reg. Offices
 India: Guest House Road, Street no - 1/6, Hooghly, West Bengal, India. Tele: +91 8617752708
 UK: Third Floor, 207 Regent Street, London, W1B 3HH, UK. Fax: +44 20-3031-1429


 MAEER MIT Pune's
 MIMER MEDICAL COLLEGE & Dr. BSTR HOSPITAL
 Talegaon Dabhade, Pune-410507

12th Annual Research Conference - 2024
 19th & 20th December 2024

MMC/Accre.Cert/MED - 0022/2013 | MMC/MAC/2024/F-021295

Certificate of Participation

This Certificate is awarded to Dr. Santhosh Rajamani for presenting research **PAPER** on Cochlear Implantation in Post-lingual Elderly Patients - A Systematic Review in the 12th ANNUAL RESEARCH CONFERENCE conducted at MIMER Medical College, on 19th & 20th December 2024.

She / He secured 2nd Prize.


Dr. Dattatraya Gopalghare
MMC Observer
MMC/MAC/0044/2015
Dr. Aastha Pandey
Organizing Secretary
Dr. Sandhya Kulkarni
Principal


 MAEER MIT Pune's
 MIMER MEDICAL COLLEGE & Dr. BSTR HOSPITAL
 Talegaon Dabhade, Pune-410507

12th Annual Research Conference - 2024
 19th & 20th December 2024

MMC/Accre.Cert/MED - 0022/2013 | MMC/MAC/2024/F-021295

Certificate of Participation


This Certificate is awarded to Dr. Manoj Das for presenting **POSTER** in the 12th ANNUAL RESEARCH CONFERENCE conducted at MIMER Medical College, on 19th & 20th December 2024.


She / He secured IIIrd Prize.


Dr. Dattatraya Gopalghare
MMC Observer
MMC/MAC/0044/2015
Dr. Aastha Pandey
Organizing Secretary
Dr. Sandhya Kulkarni
Principal

Publication

Chapter 8
Enhancing Outlier Detection in Healthcare Data through Mahalanobis Distance Metric Analysis

Santhosh Kumar Rajamani
 <https://orcid.org/0000-0001-6552-5578>
 Maharashtra Institute of Medical Education and Research, India

Radha Srinivasan Iyer
 <https://orcid.org/0000-0001-7387-4401>
 SEC Center for Independent Living, India

ABSTRACT

Mahalanobis distance is a useful multivariate statistic for determining how far apart two points are from one another. It is a very helpful statistic with excellent uses in multivariate anomaly detection, one-class classification, and classification on severely unbalanced datasets. This compilation delves into the refinement of outlier detection within healthcare data by employing Mahalanobis Distance Metric Analysis as its core methodology. Using Pure Tone Audiometry threshold data as a case study, the research highlights the method's effectiveness in identifying and characterizing outliers. The emphasis is placed on the robustness and applicability of the Mahalanobis Distance Metric, showcasing its potential to enhance outlier detection methodologies across diverse healthcare datasets. This study contributes a methodological advancement that extends beyond the specific application to Pure Tone Audiometry, offering a versatile framework for improved outlier detection in

DOI: 10.4018/979-8-3693-9641-4.ch008

Copyright © 2025, IGI Global. Copying or distributing in print or electronic forms without written permission of IGI Global is prohibited.

237


Workshop On Emerging Technologies For Health Care
 All India Institute of Medical Sciences, New Delhi
 October 22, 2024

Certificate of Participation e-poster competition

This certificate is awarded to **Dr. Santhosh Kumar Rajamani** for contribution to the workshop on Emerging Technologies for Health Care by submitting an e-poster.


Mr. Hiron Bose
Scientist-E
C-CDAC, Thiruvananthapuram
Dr. (Prof.) Kanwal Preet Kochhar
Professor and Head
Department of Physiology, AIIMS New Delhi