D.Y. PATIL EDUCATION SOCIETY, DEEMED TO BE UNIVERSITY,

D.Y.PATIL MEDICAL COLLEGE, KOLHAPUR

DEPARTMENT OF RADIODIAGNOSIS

REPORT

TITLE	**GUEST LECTURE**
TOPIC	**"Carotid & Vertebral Doppler. "**
DATE	10th July 2025.
ORGANISER	Department of Radiodiagnosis
INTRODUCTION	The department of Radiodiagnosis at Dr. D Y Patil Medical College Hospital and Research Institute, Kolhapur, organised a **Webinar Guest lecture** on **10th July 2025**. The session featured **Dr. Prashant Onkar,** He brought a wealth of knowledge and experience to the session. The topic of his lecture was **"Carotid & Vertebral Doppler".** This lecture was dedicated to the diagnostic significance of Doppler ultrasound in evaluating the carotid and vertebral arteries, emphasizing stroke prevention and vascular pathology assessment.
EVENT DETAILS	

DR. D. Y. PATIL
MEDICAL COLLEGE HOSPITAL
& RESEARCH INSTITUTE
Accredited by NAAC with 'A++' Grade

Outward No.: DYPH/MS/309/2025 Date: 02.07.25

DEPARTMENT OF RADIODIAGNOSIS

CIRCULAR

There will be a "GUEST LECTURE" on Thursday 10/07/2025 at 10 am to 11 am. Compulsory attendance of all Faculty, Residents & Interns.

TOPIC: - CAROTID AND VERTEBRAL DOPPLER

By

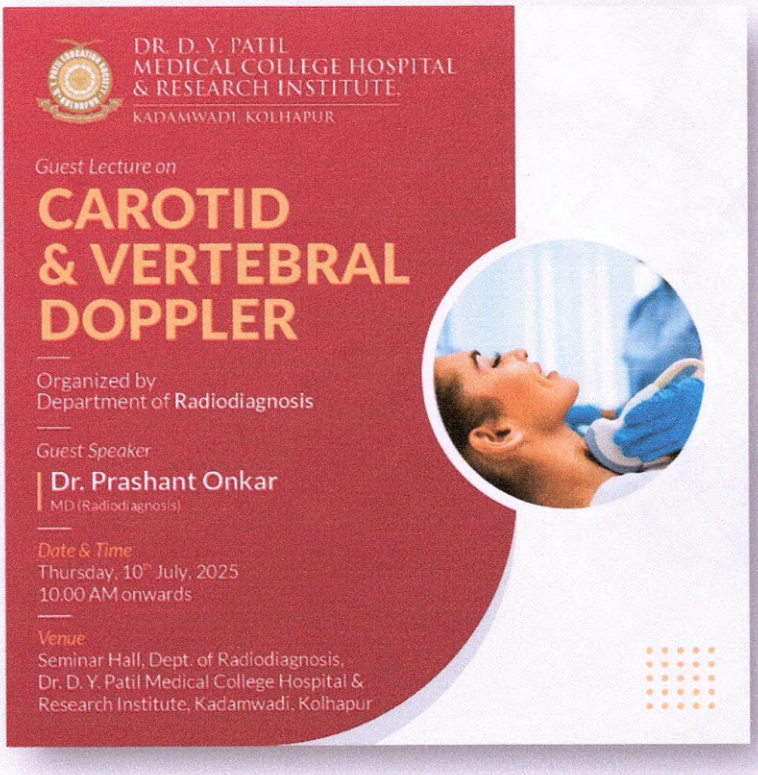
Dr. Prashant Onkar

(M.D. RADIODIAGNOSIS)

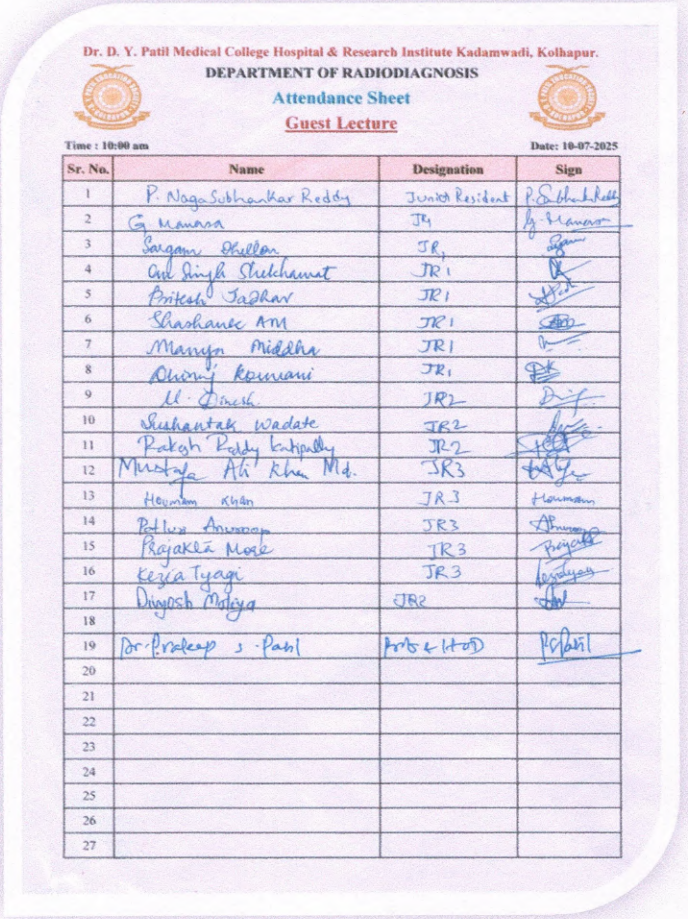
VENUE: - Seminar Hall, Dept. of Radiodiagnosis, Dr. D. Y. Patil Medical College Hospital & Research Institute, Kadamwadi, Kolhapur.

Prof. & Head
Dept. Of Radiodiagnosis

Medical Superintendent
Dr. D. Y. PATIL MEDICAL COLLEGE
HOSPITAL & RESEARCH INSTITUTE
KADAMWADI, KOLHAPUR - 416 007

AIMS	• To explain the role of carotid and vertebral Doppler in clinical diagnostics. • To improve recognition of normal and abnormal flow patterns. • To educate students about Doppler techniques and interpretation criteria.
OBJECTIVES	• Understand the principles and protocols of carotid and vertebral Doppler scanning. • Identify features of atherosclerotic disease, stenosis, and occlusion • Differentiate between normal and pathological spectral waveforms. • Gain practical tips for optimizing Doppler study accuracy.
AGENDA & ACTIVITIES	 **Session Format:** • Didactic lecture with visual Doppler case demonstrations. • Review of ultrasound techniques and probe positioning. • Interactive segment for Q&A and clinical scenario discussions.

LEARNING OUTCOME	• 1. Understand the Doppler Principles:
	  ○ Comprehend the physics and technical foundations of Doppler ultrasound, including flow direction, velocity interpretation, and spectral analysis.
	• 2. Identify Key Anatomical Landmarks:
	  ○ Accurately locate and evaluate the carotid and vertebral arteries using B-mode and Doppler ultrasound.
	• 3. Differentiate Normal vs. Abnormal Waveforms:
	  ○ Recognize triphasic, biphasic, and monophasic waveforms, and relate them to vascular pathologies such as stenosis, occlusion, and turbulent flow.
	• 4. Interpret Clinical Relevance:
	  ○ Apply Doppler findings to real clinical contexts, including stroke risk assessment, carotid artery disease, and vertebrobasilar insufficiency.

ATTENDANCE SHEET	

Dr. D. Y. Patil Medical College Hospital & Research Institute Kadamwadi, Kolhapur.

DEPARTMENT OF RADIODIAGNOSIS

Attendance Sheet

Guest Lecture

Time : 10:00 am Date: 10-07-2025

Sr. No.	Name	Designation	Sign
1	P. Naga Subhankar Reddy	Junior Resident	P. Subhankar Reddy
2	G Manasa	JR1	G. Manasa
3	Sargam Dhillon	JR1	
4	Anil Singh Shekhawat	JR1	
5	Pritesh Jadhav	JR1	
6	Shashank AM	JR1	
7	Manya Middha	JR1	
8	Dhiraj Kumawat	JR1	
9	U. Dinesh	JR2	
10	Shashantak Wadate	JR2	
11	Rakesh Reddy Katipally	JR2	
12	Mustafa Ali Khan Md.	JR3	
13	Hasnain Khan	JR3	Hasnain
14	Pothuri Anuroop	JR3	
15	Prajakta More	JR3	
16	Keerti Tyagi	JR3	
17	Divyesh Mahiya	JR2	
18			
19	Dr. Pradeep S. Patil	Prof & HOD	P S Patil
20			
21			
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26			
27			

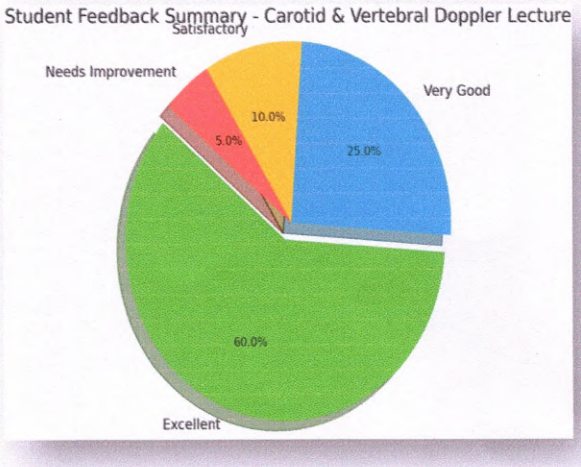
FEEDBACK & EVALUTATIONS

Written Feedback:

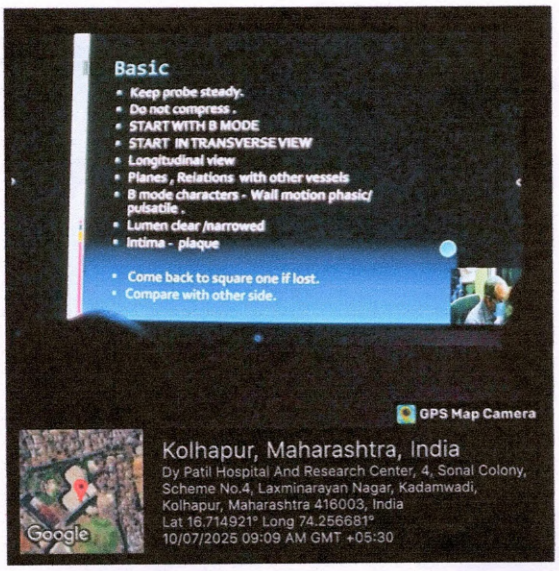
- "Great explanation of Doppler physics and pathology."
- "Practical session helped solidify understanding of vertebral artery imaging."
- "The case-based teaching made the concepts very relatable."
- "A must-attend for radiology residents and interns interested in vascular imaging."

Pie Chart – Student Feedback Summary:

- **Feedback Category** **Percentage**
  - Excellent 60%
  - Very Good 25%
  - Satisfactory 10%
  - Needs Improvement 5%



GEOTAGGED PHOTOS



Medical Superintendent
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PROFESSOR & HEAD
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