



25th Hyderabad Annual Radiologic Physics Course

Venue:

Through Digital Platform

Date:

11th & 25th Oct 2026, Sunday



Organized by:

**Indian Radiological & Imaging Association
Telangana State Chapter**

INTRODUCTION TO HARP

Health and Bio-engineering combined has brought about a see-saw change in the field of Medicine in the form of new techniques & technologies especially in RADIO-DIAGNOSIS. Hence the importance of the HARP, which is basically aimed to provide the platform for better understanding of the functional aspects and the principles involved in each modality including the recent advances.

WHO SHOULD ATTEND HARP COURSE?

All Radiology Post graduate students doing MD, DMRD or DNB should attend this course at least once during their training preferably in first year. All the MBBS graduates who are committed to Radiology and aspire to be Radiologist by profession should attend. Students preparing for FRCR, EDiR, MICR will be benefitted.

Highlights of HARP Course:

- ✓ Radiologic Physics is covered from very basic to most advanced technology i.e. first lecture is on "Basic Concepts & Electro Magnetic Radiations" and last lecture is on "Molecular Imaging and other evolving technologies"
- ✓ Majority of the speakers are experienced practicing clinical radiologists and good teachers who will impart very practical and relevant knowledge of physics.
- ✓ In order to make lectures interactive and interesting Quiz questions and MCQ's are incorporated in all the presentations.
- ✓ Special effort is made to cover the examination questions of last 10 years in all the lectures.
- ✓ Radiologic Physics Quiz will be conducted.

MESSAGE FROM THE PRESIDENT AND GENERAL SECRETARY

Dear Radiology Residents and Esteemed Colleagues,

On behalf of the Indian Radiological and Imaging Association (IRIA) Telangana State Chapter, it gives me immense pleasure to welcome you to the 25th Hyderabad Annual Radiologic Physics Course (HARP 2026).

In today's rapidly advancing medical landscape, the synthesis of health sciences and bio-engineering has transformed diagnostic radiology. A firm grasp of radiological physics—from fundamental principles to cutting-edge technologies like Artificial Intelligence, Molecular Imaging, and Advanced MR techniques—is essential for every practicing radiologist and postgraduate resident.

The HARP course has been meticulously structured to bridge the gap between complex theoretical concepts and their practical clinical applications. Designed specifically to meet the academic and examination needs of MD, DMRD, and DNB residents, as well as candidates preparing for FRCR, EDIR, and MICR examinations, this program brings together experienced clinical radiologists and expert faculty to deliver high-yield, interactive learning.

Key Highlights of HARP 2026:

* Comprehensive Coverage: A logical progression from core topics such as Electromagnetic Radiations and Radiation Safety to advanced Post-Processing, PET/MRI, and Molecular Imaging.

We encourage all radiology postgraduates, aspirants, and young radiologists to capitalize on this digital learning opportunity from the comfort of their homes and strengthen their foundational knowledge.

We look forward to your active participation in making HARP 2026 a resounding success.

Warm regards,



Dr. Sunitha Lingareddy
Managing Director, Lucid Medical Diagnostics
President, IRIA Telangana State Chapter



Dr. Sudheer Kunkunuru
Senior Consultant, Continental Hospitals
General Secretary, IRIA Telangana State Chapter

Dr. J. Jagan Mohan Reddy & Dr. T. Sudha Bindu
Scientific Program Coordinators

PROGRAMME DAY 1

11th OCTOBER 2026

09:00 - 9:30 am	Basics of Electromagnetic Radiation - Dr. Jwala Srikala .M
09:30 - 10:00 am	Production of X-Rays and X-Ray Tube - Dr. Shruti Kalyan
10:00 - 10:30 am	X-Ray Interaction and Attenuation Collimators and Filters - Dr. Ankit Balani
10:30 - 10:45 am	INAUGURATION
10:45 - 11:15 am	Radiobiology - Dr. Sapna Marda
11:15 - 11:45 am	Radiation Protection - Dr. Rakhee Kumar Parchuri
11:45 - 12:15 pm	Image Quality - Mr. Panneerselvam
12:15 - 12:45 pm	CR and DR - Dr. Ramakrishna Rao Baru
12:45 - 1:15 pm	Fluoroscopy - Dr. Srinadh Bopanna
1:15 - 1:45 pm	LUNCH BREAK
1:45 - 2:15 pm	CT basics - Dr. Aruna Karnawat
2:15 - 2:45 pm	Spiral and MD CT - Dr. Gayatri S
2:45 - 3:15 pm	3D and 4D CT and Postprocessing - Dr. Vishnuvardhan R
3:15 - 3:45 pm	Mammography - Dr. Jwala Srikala
3:45 - 4:15 pm	PACS - Dr. Anitha Mandava
4:15 - 4:45 pm	Artificial Intelligence - Dr. Srinivas Raju
4:45 - 5:15 pm	Planning and Quality Control in Radiology - Mr. Panneerselvam
5:15 - 6:00 pm	Scientific Exhibition and Demonstration - Mr. Panneerselvam
6:00 - 7:00 pm	APP based Quiz - Dr. Siripuram Naveen Kumar

PROGRAMME DAY 2

25th OCTOBER 2026

8:30 - 9:00 am	MRI Basics and Hardware - Mr. Panneerselvam
9:00 - 9:35 am	Spin Echo Sequences - Dr. Shivakanth
9:35 - 10:10 am	GRE and Steady State Sequences - Dr. Gayatri S
10:10 - 10:25 am	Factors Affecting Image Quality - Dr. Shivakanth
10:25 - 11:00 am	DWI/DTI and Spectroscopy - Dr. Shivakanth
11:00 - 11:35 am	Perfusion and FMRI - Dr. Gayatri S
11:35 - 11:55 am	MRA and MRV - Dr. Shivakanth
11:55 - 12:40 pm	Fat Suppression/saturation Techniques, liver Imaging, Fat and Iron Quantification and MR Elastography - Dr. Gayatri S
12:40 - 1:00 pm	MR Artefacts - Dr. Shivakanth
1:00 - 1:30 pm	MR Safety - Mr. Panneerselvam
1:30 - 2:00 pm	LUNCH BREAK
2:00 - 2:30 pm	Ultrasound Basics - Dr. Ruju Doshi
2:30 - 3:00 pm	Doppler Basics - Dr. Aruna Karnawat
3:00 - 3:30 pm	Ultrasound Advances - Dr. Madhavi Nori
3:30 - 4:00 pm	Elastography - Dr. Rashmi Sudheer
4:00 - 4:20 pm	Nuclear Medicine Basics - Dr. Anuj Jain
4:20 - 4:40 pm	SPECT and PET CT - Dr. Mohd Mansoor Mohiuddin
4:40 - 5:00 pm	PET MRI - Dr. Hrushikesh Aurangabadkar
5:00 - 5:30 pm	Molecular Imaging - Dr. Madhur Kr. Srivastava
5:30 - 6:30 pm	APP based Quiz - Dr. T. Sudha Bindu

REGISTRATION FORM

Name:_____

IRIA Membership No.:_____

Designation:_____

Institution:_____

Address:_____

E-mail:_____

Contact No.:_____

REGISTRATION FEE FOR 2 Days (11th & 25th OCT 2026)

Only Rs. 500 for all

Account Name: Telangana State Chapter IRIA

Account Number: 6243807479

IFSC Code: IDIB000B090

Name of the Bank: Indian Bank

Branch: Banjara Hills

Payments for Registration can be done through Gpay / PhonePe / Paytm.

Name: Telangana State Chapter IRIA



Register for the CME?
Click



ADVISORS

Dr. L.T. Kishore
Dr. K. Prabhakar Reddy

OFFICE BEARERS OF TELANGANA STATE CHAPTER OF IRIA

President
Dr. Sunitha Lingareddy

President Elect
Dr. Rajesh Kumar Enagala

Immediate Past President
Dr. J. Jagan Mohan Reddy

Vice Presidents
Dr. P. Krishna Mohan
Dr. Gaddam Ramakrishna Reddy

Vice President (Female)
Dr. Aruna Karnawat

General Secretary
Dr. Sudheer Kunkunuru

Joint Secretaries
Dr. S. Naveen Kumar
Dr. T. Sudha Bindu

Treasurer
Dr. N.S. Uday Kumar

Central Council Member
Dr. S. Venkat Ramana; Dr. R. Venkataramana;
Dr. M. Srinivas Reddy; Dr. T. Ramesh

State Council Member
Dr. Sapna Marda; Dr. Chapala Shashank; Dr. Vijayanand H. Kelkeri
Dr. G. Venkat Nageshwar Goud; Dr. G. Swadeep Raj; Dr. Yasam Preethi

FACULTY

Dr. Anitha Mandava
Dr. Ankit Balani
Dr. Anuj Jain
Dr. Aruna Karnawat
Dr. Gayatri S
Dr. Hrushikesh Aurangabadkar
Dr. Jwala Srikala
Dr. Madhavi Nori
Dr. Mohd Mansoor Mohiuddin
Mr. Panneerselvam
Dr. Rakhee Kumar Parchuri
Dr. Ramakrishna Rao Baru
Dr. Rashmi Sudheer
Dr. Ruju Doshi
Dr. Sapna Marda Dr. Shivakanth
Dr. Shruthi Kalyan
Dr. Srinadh Boppana
Dr. Srinivas Raju
Dr. Sudheer K
Dr. T. Sudha Bindu
Dr. Vishnuvardhan R

Address for Correspondence

General Secretary

Telangana State Chapter of IRIA

IRIA House, Flat No 101, Hasna 13th Avenue Apartments,
Road Number 13, Banjara Hills, Hyderabad - 500 034.

Mr. Praveen Kumar - 8008056363

Email : iriatschapter@gmail.com

Web site: www.iriatelangana.org