

## 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 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.
- ✓ Detail write up of all the lectures will be given to the participants on CD.
- ✓ A unique scientific exhibition is organized wherein all the Radiologic gadgets, devices, instruments such as grid, filter, dark room accessories, various tubes, transformers etc, will be shown and explained to the students, who will find it very beneficial in their practical interrogation.

## MESSAGE

"Back to Basics" is the rule of the day as many of our young postgraduates are fascinated by newer modalities forgetting the fundamentals. Hence, this course fills up the gap in knowledge between basics and advanced imaging modalities. In this process physics plays a major role with different modalities. The understanding of physics is of paramount importance in the diagnosis and management of the diseases.

We have conducted this course 14 times with continuing improvement in the standards and the way it is conducted. All these improvements were possible because of constructive feedback given by the students. We have been receiving very encouraging response and repeated requests to conduct it every year. Therefore IRIA Telangana State Chapter has decided to conduct the Physics course annually and call it Hyderabad Annual Radiologic Physics (HARP) Course. It is conducted over third weekend of July every year.

If you want to achieve maximum benefits from this course then we request you to read Physics at least once before attending the course. We know it will be boring and you may not understand lot of things, but doesn't matter, your absorption of physics and subsequent interaction with speakers will be better and more meaningful.

All the best.

**Dr. TLN Praveen**  
President, Telangana State Chapter of IRIA

**Dr. Kishore LT**  
Program Director

**Dr. Rajesh Kumar Enagala,**  
**Dr. Y. Krishna Vardhan Reddy,**  
**Dr. Aruna Karnawat**  
Course Coordinators

## TOPICS

01. Basic concepts & Electro Magnetic Radiations
02. Production of X-rays
03. Interaction & Attenuation
04. Filters, Collimators & Grids
05. Digital Image Processing
06. Fluoroscopy
07. Factors affecting image quality & artifacts
08. Radio-Biology
09. Ultrasound Basics
10. Doppler Basics
11. Ultrasound Advances
12. CT Basics
13. Spiral to MDCT
14. Post processing
15. MRI Basics
16. MRI Advances
17. CR & DR
18. Conventional & Digital Mammography
19. Sono & MR Mammography
20. PACS & Teleradiology
21. Nuclear Medicine Basics
22. SPECT & PET
23. Planning of Imaging Dept
24. Molecular Imaging
25. How much radiologic physics practicing radiologist should know?
26. Occupational Radiation Safety in Diagnostic Radiology.

## REGISTRATION FORM

Name: .....

IRIA Membership No.: .....

Designation: .....

Institution: .....

Address: .....

E-mail: .....

Contact No.: .....

## REGISTRATION FEES

Before 30th June	Before 10 <sup>th</sup> July	Spot
Rs. 2,500/-	Rs. 3,500/-	Rs. 4,000/-

Payment by DD (payable at Hyderabad) in the name of 'Telangana State Chapter IRIA' filled in registration form to be sent to the Secretariat.

Payments for Registration can be done through NEFT/RTGS.

Name of the Bank : Indian Bank, Banjara Hills (01674)  
Account Name : Telangana State Chapter IRIA  
Account Number : 6243807479  
IFS Code : IDIB000B090

Note: The payment through bank transfer should be followed up with an e-mail confirmation of the Bank transfer with an attachment of scanned copy of counter foil.

## FACULTY

01. Dr. Annapurna S.
02. Dr. Anitha M
03. Dr. Aruna Karnawat
04. Dr. Gayatri S.
05. Dr. Jwala Srikala
06. Dr. Kavitha N.
07. Dr. Kishore L.T
08. Dr. Madhavi Nori
09. Dr. Mansoor Mohiuddin
10. Mr. Panneer Selvam
11. Dr. Rakhee P.
12. Mr. Ram C.K
13. Dr. Ruju Doshi
14. Dr. Sharma S.D.
15. Dr. Srinadh Boppana
16. Dr. Subhendu Parida
17. Dr. Tejonath G.

### Secretariat

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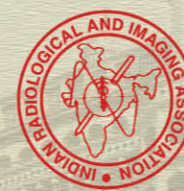
## Route Map of KIMS



## Hyderabad Annual Radiologic Physics Course

Venue :  
**KIMS HOSPITAL AUDITORIUM**  
Minister Road, Begumpet,  
Secunderabad - 500 003. TS

Date :  
15<sup>th</sup> - 17<sup>th</sup> July 2016



Indian Radiological & Imaging Association  
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