

CERTIFICATE: FELLOWSHIP IN INTERVENTIONAL RADIOLOGY

Location: Department of Radiodiagnosis, SMIMER Hospital, Surat

Awarded by: Veer Narmad South Gujarat University

Goal and Program Highlights:-

- A one year comprehensive and well-balanced training program encompassing all the aspects in Interventional Radiology.

The fellow receives “*hands-on*” experience through active procedures in cath lab and well exposed to manage OPD and also to peri-procedural management of patients.

- The fellowship experience encompasses the entire range of IR involving both vascular - nonvascular and neuro interventions.
- Fellowship trainees perform a wide variety of cases including,
 - Basic interventions
 - Gastrointestinal – Hepatic interventions
 - Thoracic interventions
 - Musculoskeletal interventions
 - Neurointerventions
 - Peripheral vascular interventions
 - Gynecological – Obstetrical interventions
 - Urological interventions

Eligibility

MD/DNB in Radiodiagnosis /Diploma in radiodiagnosis – with 1 year training post diploma.

Duration of Course

1 year

Selection

Merit based- Two step selection

Course Faculty

Dr.Paresh Patel M.D. Radiodiagnosis and Fellowship in Interventional Radiology

(Asstt.Professor)

Dr. Jigar Aiya D.M.R.D.D.N.B., Fellow in Neuro and vascular intervention

(Senior Resident)

Dr.Ankit Dumaswala M.D.Radiodiagnosis,Fellow In Neuro& Vascular Interventional Radiology

(Visiting Interventional Radiologist)

List Of Documents

1. Birth Certificate/ proof of date of birth.
2. Four passport size photographs
3. Copy of the MCI Registration Certificate of MBBS/MD/ Others
4. Copy of Mark sheets and Degree Certificate of MBBS/MD/ Others
5. Experience Certificates
6. PAN Card
7. Adharcard

Course Syllabus

Competence -

Upon completion of training, the Fellow candidate of Interventional Radiology should be:

- Familiar with the signs, symptoms, etiology, pathogenesis, natural history and management of vascular & non-vascular disorders amenable to diagnosis and/or treatment by percutaneous methods guided by imaging.
- Able to obtain clinical history, carry out relevant physical examination and communicate effectively with patients and relatives about the diseases and procedures as required.
- Have knowledge and training to comply with legal and ethical standards in carrying out clinical, procedural and post procedural patient care.
- Be knowledgeable about consent and other legal requirements of performing and recording details of clinical examination, evaluation and intra- as well as post-procedural care.
- Able to perform and interpret non-invasive and invasive imaging evaluation of diseases of the vascular systems, and of other regions amenable to IR therapy
- Knowledgeable about the management protocols of these disorders, including drug therapy and non-IR therapeutic alternatives.
- Aware of indications and contraindications for vascular and nonvascular interventional radiologic procedures.
- Experienced in pre-procedural clinical evaluation of patients and providing post procedural follow-up care
- Able to perform and interpret invasive vascular and non-vascular interventional procedures to the standards required and established by professional bodies and accepted by the practitioners.
- Knowledgeable about IR technology and hardware available for various procedures and anatomical areas
- Knowledgeable about new and evolving interventional techniques & technology
- Have in depth knowledge and training in the physical aspects of imaging, hazards of radiation and measures of protection.

Procedures:

PERIPHERAL VASCULAR – NON VASCULAR INTERVENTIONS:

- USG/CT guided FNAC/Biopsy
- USG/CT guided Aspiration/Drainage
- Embolization for GI, GU, Head and neck, peripheral Bleedders

- Radiofrequency tumor ablation, Microwave ablation
- Sclerotherapy
- Central line and catheter insertion
- Fluoroguided NGT, NJT insertion
- Percutaneous radiological gastrostomy/ jejunostomy insertion
- Percutaneous nephrostomy tube and stenting
- Bronchial artery embolization
- Uterine artery embolization
- Angioplasty and/or stenting (aortic, renal, mesenteric, celiac, limb arteries)
- Arterial thrombolysis
- Venous stenting and filter
- Varicose veins laser ablation
- Trans-arterial chemo-embolization
- Peripheral tumor or AVM or aneurysm/pseudoaneurysm embolization
- Pre-operative angioembolisation
- Percutaneous transhepatic biliary drainage and stenting
- Endobiliary Radiofrequency ablation
- Vertebroplasty, Kyphoplasty, Acetabuloplasty
- Tracheal stenting
- Esophageal dilatation

NEUROINTERVENTIONS:

- Diagnostic angiography
- Aneurysmal coiling- conventional, balloon assisted and stent assisted
- Carotid and vertebral angioplasty and/or stenting
- Embolization of brain AVM
- Dural arterio-venous shunts including cavernous dural arterio-venous shunts embolization
- Head & neck and brain vascular tumors embolization
- Head and neck vascular malformation embolization

Academics-

1- Research-Opportunity will be given to conduct at least one **original research study** during the course duration. Complete at least one original research project on Interventional Radiology as principal author with the purpose of preparation of a manuscript suitable for publication in a peer-reviewed journal

2-Oral/Poster presentation as part of course syllabus at a local/regional/ national/international meeting-

3. Learning-Preparation of a formal yearly lecture on a pediatric radiology topic to be presented to the department and undergo formal assessment

4. Teaching Teach diagnostic radiology residents as well as residents from other clinical services and medical students & Active participation in Journal club

5.-Ethics and Professionalism- Incorporate ethical practice, professional regulation and high personal standards of behavior 2. Become a member of an National/ international I.R. society

6. Maintenance of logbook: logbook to be maintained for daily work assisted and done by you, as well as for your academic work and teaching in the department. Signature of faculty/faculites to be taken daily.

Exam System

Theory Examination : MCQ-25 Marks, 5 Shortnotes- 25 marks, L.A.Q- 5X10 = 50 Marks
(Total 100 marks)

Practical examination: 200 marks (80 marks for long case + 40x2 short cases each + 40 marks for viva)

Examiners: 3 guides/teachers from SMIMER

Contact Us for Course Related Queries

1.Dr. Mona Shastri (Professor and H.O.D.)

Department of Radiodiagnosis

SMIMER,Surat

Contact-9879515556

2. Dr. Ekta Desai

Associate Professor

SMIMER,Surat

Contact- 9825859399

3.Dr. Paresh Patel (Assistant Professor and Incharge of Interventional Radiology)

Department of Radiodiagnosis,SMIMER,Surat

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