

Certificate: Fellowship in Women's Imaging

Location-Department of Radiodiagnosis, SMIMER

Awardee- Veer Narmad South Gujarat University

Goal & Program Highlights:-

On completion of training, the fellow is expected to be a competent specialist in Women's Imaging-capable of assuming a consultant's role in the specialty. - The fellow must acquire a working knowledge of the theoretical basis of the Superspecialty, including its foundations in the basic medical sciences and research. - Fellows must demonstrate the requisite knowledge, skills, and attitudes for effective patient-centered care and service to a diverse population. In all aspects of specialist practice, the Fellow must be able to address issues of gender, sexual orientation, age, culture, ethnicity and ethics in a professional manner.

1. A 1 year comprehensive and well-balanced training program encompassing all of the basic and advanced clinical areas of women's imaging.
2. Training in Breast, gynecologic and obstetrical imaging.
3. Modular Fellowship course format
4. Obstetrical imaging training includes performing and interpreting high risk OB ultrasound in our Fetal Medicine center and exposure to fetal MR.
5. The fellow will be involved with all aspects of breast imaging and procedures including mammography, ultrasound, Breast MRI, ductography, breast biopsy and wire localizations.
6. Gynecologic training includes MR interpretation, hands on endovaginal scanning and learning how to catheterize the uterus for fluoroscopic and sonographic evaluation of the endometrium and fallopian tubes.
7. Ultrasonography and Doppler, C.T.,MRI, Image guided intervention of thyroid.
8. The fellow receives "hands-on" experience at the workstation as well as through active procedure services with image-guided aspirations and biopsies.
9. Fellows fully participate in all aspects of clinical services, with frequent contact with our referring physicians; will work side by side with nationally acclaimed academic radiologists and fetal medicine specialist.

Eligibility

MD/DNB/DMRDRadiodiagnosis

Duration of Course

1 Year

Selection

Merit based – 2 step selection

Step-1) VNSGU will conduct entrance test in similar manner as fetal medicine fellowship in GMC, surat. (100 MCQ test)

Step-2 VNSGU will call for interview & counseling test of these candidates and according to their knowledge, aptitude and interest in one of these three proposed courses admission will be given as per merit list .

Required Certificates

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

Course Syllabus- Curriculum

Obstetric Imaging

Module – 1

1. Introduction to the course
2. Pre-training assessment
3. Early pregnancy scan
4. First trimester screening for aneuploidy
5. Fetal structural anomalies in First trimester
6. Fetal biometry and assigning gestational age
7. Guidelines for second trimester scan and normal views
8. Fetal thorax
9. Fetal neck and face

Module – 2

1. Fetal GIT
2. Fetal GUT

3. Fetal skeletal system
4. Fetal heart and fetal echocardiography
5. Fetal CNS and fetal neurosonography

Module – 3

1. Fetal environment
2. Fetal growth abnormalities
3. Third trimester scan – what all to look for.
4. Obstetric colour Doppler
5. Multiple pregnancies
6. 3D-4D ultrasound in Obstetrics

Module – 4

1. Fetal infections
2. Genetics
3. Fetal Interventions
4. Recent advances
5. USG evaluation of other medical and surgical problems in pregnancy
6. Post-training assessment

Non-obstetric imaging

Module – 5

- Imaging in gynecological infertility
- Imaging in gynecological masses and tumors
- Imaging in ectopic pregnancies
- Hysterosalpingography for uterine malformations
- Hysterosalpingography for infertility and tubal patency

Module – 6

- Breast imaging by mammography
- Breast imaging by USG breast
- Breast imaging by MRI mammography

- Module-7

Thyroid Imaging by ultrasound and colour Doppler

Thyroid imaging with Cross sectional imaging

Thyroid Lesion –FNAC /Lab report correlations

Academics-

1 Research-Complete at least one original research project on women's imaging as principal author with the purpose of preparation of a manuscript suitable for publication in a peer-reviewed journal

2. Present academic work on women's imaging at State/National /international scientific meetings

3. Teaching of radiology residents/ residents from other clinical services / medical students

4.learning

Preparation of a formal yearly lecture on a Women'sImaging topic to be presented to the department and undergo formal assessment

Follow-up of patient to be taken after procedure /treatment/ surgery from respective unit

Active participation in Journal club

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.

Ethics and Professionalism-1. Incorporate ethical practice, professional regulation and high personal standards of behavior 2. Become a member of an National and international society

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

Course Faculty

Dr. Nehal Diwanji- Associate Professor , cross sectional imaging specialist

Dr. Nipa Patidar – Assistant Professor with speciality in Breast Imaging and Women's Imaging

Dr. Dhara Shah- Assistant Professor with Speciality in Breast Imaging

Dr. Hitanshu Bhatt – Fetal Medicine expert

Dr. Gouri Nagarajan - Fetal Medicine expert