



IQRAMED ACADEMY

A Medical Skill Enhancement Academy

WHERE SKILLS THRIVE

**“ELEVATE YOUR ULTRASOUND
MASTERY WITH IQRAMED ACADEMY”**

Diploma & Certificate Courses

**DISCOVER THE NUANCES OF
GYNAE OBS & ABDOMINAL
ULTRASOUND BY ACTIVELY
PARTICIPATING IN REAL CASES!**

"Leave the Books Behind, Embrace the Hands-On Path!"

About IMA (Iqramed Academy)

Iqramed Academy offers the Ultrasonography Course program, available both online and in-campus across the World, tailored for newcomers as well as experienced doctors specializing in Ultrasound.

These programs are designed to enhance their skills and knowledge, keeping them abreast of the latest advancements in Ultrasonography and to ensure that the healthcare professionals are well equipped to deliver high quality treatment and make a positive impact on people's health.

Amidst the digital era of online learning, ensuring candidates can conveniently upskill in Ultrasound even with a hectic schedule. Iqramed Academy provides online training in the form of Pre Recorded Lectures, practical training, workshops and Exclusive Hands-On Training on Real Patients.



COURSE DIRECTOR

DR. SULTAN MOINUDDIN SHAUKAT ALI

(MBBS, MD, DNB
(RADIODIAGNOSIS))

Senior Faculty Of Ultrasonography
at Iqamed Academy

Dr. Sultan Moinuddin is a Professor & Head of Radiology Department at Vedanta Institute of medical science, Mumbai, India. He has done MBBS from Dr. Vasantrao Pawar Medical College, hospital and research center, Nashik and MD in Radiodiagnosis & DNB in Radiodiagnosis from the prestigious Seth GSMC and KEM Hospital.

He is the expert in all the latest aspects of USG like Colour Doppler, 2D, 3D, and 4D Ultrasonography. He has the expertise in POCUS (Point-of-Care Ultrasound) also known as FAST Ultrasound. He has trained more than 5000 doctors in these modalities to date.

He was awarded a gold medal in Anatomy, Pathology & Forensic Medicine, the Late Dr. Dayanand Dongaonkar Gold medal, Late Vyankatesh Jamkar Gold medal, the Rajebahadur Heart Foundation gold medal, Dr. S.M. Patankar Gold medal, Late Shri Shriram Kushaba Bakare, Memorial Gold medal, Gojarbai Ramrao Bhamre Gold medal, Dr. Shirish K. Bhansali Gold medal, Dr. Vinayak Chitale Gold medal.

Accredited by:



The Federation of Obstetric and Gynaecological Societies of India (FOGSI) is a professional organization representing practitioners of obstetrics and gynecology in India. The Federation also collaborates with and partners the Government of India and is an invited representative on all relevant policy making bodies of the government on issues related to women's health.

IAO is an international quality assurance agency, working to improve & establish education standards of institutes all over the world. With its global network of experts, IAO grants accreditation to educational institutions, corporations, professionals and qualified individuals



The National Skill Development Corporation (NSDC) was established in 2009 with the primary aim of fostering skill development across various sectors. The NSDC operates under the Ministry of Skill Development and Entrepreneurship, Government of India, and is governed by a board of directors comprising representatives from the government and industry

We have The Largest Chain of Training Centres in India

- KASHMIR
- LUDHIANA
- DELHI
- SURAT
- PALGHAR
- MUMBAI
- PUNE
- INDORE
- BANGALORE
- HYDERABAD
- GUWAHATI
- LUCKNOW
- CHENNAI
- SIWAN

"Don't let city limits confine your limitless learning."

EDUCATIONAL METHODS:

Pre-recorded
Online
Sessions

Digital Practical &
Demonstrations

Live Cases
Discussion

Hands-On
Training On Real
Patients

E-Library access
& 24*7 Support

Online & In-
Campus Training

Power Point
Sessions

Digital Board
Sessions

Doubt
Clearance
Sessions

24*7 Access on
our Server

PRE-RECORDED LECTURES

Course Content

Module 1 0/4

- Lecture 1 | Basic of Pelvic Ultrasound and TVS 24:46
- Lecture 2 | Ultrasound techniques Demonstration and Anatomy of female Pelvis 31:10
- Lecture 3 | USG of Normal Uterus – Gynecological Ultrasonography 32:38
- Lecture 4 | Ultrasound of Endometrial Pathologies 30:33

Pelvic Ultrasound 0/11

Pelvic Ultrasound Your Progress: 0 of 15 (0%) Mark as Complete

Lecture 1 | Basic of Pelvic Ultrasound and TVS | Dr. S Moinuddin - Iqamed Ac...

Basic Consideration

IMA

20:26

DIGITAL PRACTICAL & DEMONSTRATIONS

ID:23020102 Female
Name: GA:22W5D

MI ≤ 0.70 TIS ≤ 0.82
C3L60C
11.8 cm 23Hz
B_Gain 40dB
Freq H2.0MHz

2D
PWR 98%
PTN 1
SPAN 3
PER 4
SMO 0
ENH 0
B_GSC 9
DYN 178
Angle 60°
LD H
B_Chroma 0
Nanoview 3
Rotate 0°

EPW:482g

LIVE CASES DISCUSSION

Fetal Circulation

Placenta

Umbilical Cord

Umbilical Vein

Umbilical Arteries

Foramen Ovale

Ductus Arteriosus

Ductus Venosus

Lung

Pulmonary Artery

Aorta

Liver

Left Kidney

Legend:
■ Oxygen-rich Blood
■ Oxygen-poor Blood
■ Mixed Blood

To record uterine blood flow velocities, the sample volume is placed on the uterine artery approximately 1-2 cm medial to the crossing site, and pulsed Doppler is activated.

Good-quality uterine artery spectra can be acquired at an insonation angle of 15-50° and should present a sharp, clear envelope curve. The optimum PRF setting for most examinations is between 4 and 6 kHz, using a wall filter setting

REAL PATIENTS HANDS-ON TRAINING

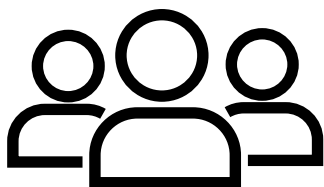


E-LIBRARY ACCESS & 24*7 SUPPORT



ONLINE & IN-CAMPUS TRAINING





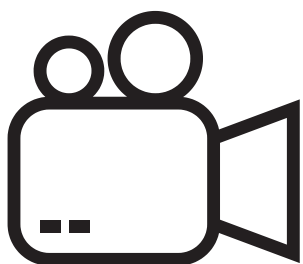
1500

Registered Candidates



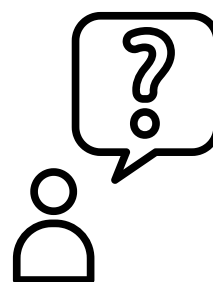
CERTIFIED

Course



HIGH QUALITY

Videos on our Server



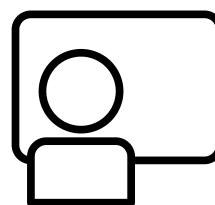
WEEKLY

Doubt Clear Session



E - MODULES

Included



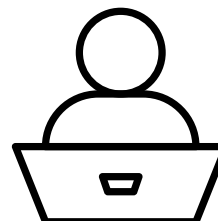
16 YEARS

Experienced Faculty



PRACTICALS

Provided



WEB BASED

24*7 Access



CERTIFICATION COURSES IN ULTRASOUND

Basics of Gyne Obs Ultrasound Certificate Course

- Physics & Machine Settings/ Image Orientation
- Gynecological Ultrasound Course
- Early & Ectopic Pregnancy
- Basic Fetal Biometry

03
Months

75
Hours

Fee: 36,000 INR | 432 USD

Advance Fetal Certificate Course

- Detail Fetal (Level 2nd)
- Foetal Color doppler
- Foetal Echocardiography

03
Months

75
Hours

Fee: 54,000 INR | 648 USD

Complete Gyne-Obs Ultrasound Certificate Course (Basic + Advance)

- Physics & Machine Settings/ Image Orientation
- Gynecological Ultrasound Course
- Early & Ectopic Pregnancy
- Basic Fetal Biometry
- Detailed Fetal Scanning (Level 1st & Level 2nd)
- Fetal Color Doppler
- Fetal Echocardiography

06
Months

150
Hours

Fee; 77,000 INR | 924 USD



Certificate



access



Doubt sessions



E-Modules

Complete Abdominal Ultrasound Certificate Course

- Physics & Machine Settings/Screen Orientation
- Hepatobiliary Scanning (Liver & GB)
- Pancreas & Spleen
- Urogenital Ultrasonography (Kidney/UB/Prostate)
- Small Parts (Thyroid/Scrotal/Breast)

06
Months

150
Hours

Fee: 54,000 INR | 648 USD

Certificate Course on Complete Ultrasound (Gyne-Obs and Whole Abdominal)

- Physics & Machine Settings/Screen Orientation
- Gynecological Ultrasound Course
- Early & Ectopic Pregnancy
- Basic Fetal Biometry
- Detailed Fetal Scanning (Level 1st & 2nd)
- Fetal Color Doppler
- Fetal Echocardiography
- Hepatobiliary Scanning (Liver & GB)
- Pancreas & Spleen
- Urogenital Ultrasonography (Kidneys/UB/Prostate)
- Small Parts (Thyroid/Scrotal/Breast)

12
Months

250
Hours

Fee: 1,00,000 INR | 1200 USD



Certificate



access



Doubt sessions



E-Modules

Syllabus: Gyne Obs Ultrasound

Physics of Ultrasound

- USG physics
- USG probes
- USG Image quality
- USG Screen
- USG keyboards or Knobs
- Posterior Enhancement
- Depth vs Frame rate
- Echogenicity Concept
- Probe Selection (TVS/TAS/Convex/Linear Volume)
- Ultrasound Physics (wave length, frequency, frame rate etc.)
- Angle of Insonation

Ultrasound in Infertility

- Evaluation for: Fibroids, Adenomyosis, endometriosis, polyps, dermoids, endometrial hyperplasia, PCODS, PID, endometritis
- Follicular monitoring
- Uterine biophysical profile scoring
- Scrotal Doppler

Uterus and Ovaries

- Variation of Uterine positions
- Normal appearance of Endometrium/ Ovaries/uterus
- Congenital abnormalities of uterus
- Cervical pathologies (Nabothian cysts, Polyps, Cervical fibroids, cervical carcinoma.)
- Myometrial pathologies (Fibroids Adenomyosis)
- Endometrial pathologies (Endometrial Polyps, Endometrial Carcinoma, Endometrial hyperplasia, Endometritis, endometriosis). Adhesions- Ashermans Syndrome, Submucosal fibroids, Arteriovenous malformation (AVM), Hydro/ hematometra)
- Ovarian Cysts (Simple Cyst, Haemorrhagic ovarian cysts, Corpus luteal cyst, Dermoid, Endometrioma)
- PCODS, Ovarian hyper-stimulation syndrome (OHSS), Complex ovarian cyst
- Pelvic inflammatory disease (PID), Uterine arteriovenous malformations
- Pelvic congestion syndrome
- Fallopian tubes scanning

Syllabus: Gyne Obs Ultrasound

Early / Ectopic Pregnancy

- G Sac / Embryo / DDS / Y Sac, Haemorrhages, embryonic demise
- Embryology
- Pregnancy of unknown location (PUL)
- True vs. pseudo-gestational sac
- USG Findings of ectopic
- Role of BHCG in ectopic.
- Heterotopic pregnancy, Cervical ectopic pregnancy, Interstitial ectopic pregnancy Caesarean scar ectopic pregnancy

Foetal Head Scanning

- Embryology of CNS
- Standard sonographic planes of foetal head (axial and sagittal)
- Ventricular system scanning
- Ventriculomegaly
- Corpus callosum
- Agenesis of Corpus callosum
- Absent CSP
- Posterior fossa cyst (Mega-cisterna magna Blake's pouch cyst, Dandy walkers malformation)
- Holoprosencephaly
- Chari 2nd Malformation
- Hydrencephaly

Foetal Abdominal Scanning

- Physiological Midgut Herniation
- Normal Stomach bubble, Non Visualization of the Stomach bubble
- Diaphragmatic hernia
- Esophageal atresia, Duodenal atresia, Jejunal & ileal atresia
- Ventral wall defect
Omphalocele Gastroschisis

Amniotic Fluid

- Development and contents of amniotic fluid
- Sources of amniotic fluid , routes of amniotic fluid removal,
- Amniotic fluid regulation & Amniotic fluid index

Placenta

- Normal USG appearance of placenta
- Subchorionic cyst of the placenta.
- Cord Insertion
- Placental Grading
- Circumvallate placenta, Succenturiate placenta
Bilobed placenta
- Placental chorioangioma
- Placenta previa and placental abruption.
- Placenta accreta

Foetal Color Doppler

- Uterine artery
- Umbilical artery
- Middle cerebral artery
- Foetal aorta /IVC
- UV and DV
- Interpretation of flow velocities
- Timing of delivery

Multiple Gestation

- Genesis of multiple gestation
- Zygosity and chorionicity
- Fetal Complications(Prematurity IUGR, single foetal demise, Twin to Twin transfusion syndrome Acardiac and Vanishing Twin, Conjoined twins)

Foetal Echocardiography

- Introduction to basic echo
- Indications & Timing
- Equipments
- Laterality of Fetal body & image
- Segmental analysis.

Syllabus : Abdominal Ultrasound

Liver

- Protocols and Scanning Technique
- Normal USG of liver
- Doppler of hepatic vessels
- Diffuse liver diseases
- Focal liver masses (hemangiomas, abscesses, hydatid etc)
- Liver cirrhosis and Portal hypertension

Gall bladder

- RUQ anatomy
- Anatomy of Biliary system
- Technique of GB Scanning
- Anatomical considerations
- Cholelithiasis, Cholecystitis and its complications
- Polyps, Adenomyomatosis, Adenocarcinoma

Pancreas

- Sonographic anatomy
- Critical Anatomic Structures, anatomical divisions and relationships
- Transverse and Sagittal planes of Pancreas
- Scanning Technique with technical considerations
- Acute pancreatitis, Chronic pancreatitis
- Complications of pancreatitis
- Pancreatic Cystic Lesions
- Congenital abnormalities of pancreas

Kidneys

- Anatomy of the kidneys Common anatomical variants (Horseshoe kidney, Ectopic kidney, Cross fused ectopic Unilateral renal agenesis, Dromedary hump, Persistent fetal lobulation, Prominent column of Bertin, Junctional parenchymal defect)
- Pathologies (Calculus, Hydronephrosis, Nephrocalcinosis Polycystic kidney, Renal Abscesses)
- Renal cyst, Renal infection, Medullary sponge kidney, Carcinoma

Syllabus : Abdominal Ultrasound

Spleen

- Normal Variants (Polysplenia, Splenunculus, Wandering spleen)
- Splenomegaly, splenic Infections
- Splenic Cysts. Metastases. Lymphoma. Varices
- Haematomas, Abscess. Splenic infarction

UB and Prostate

- Scanning techniques
- Bladder calculus and ureterocele
- Cystitis and bladder tumours
- Prostatitis and Benign Prostatic Hyperplasia
- Prostate Carcinoma

Scrotal Ultrasound

- Anatomy of scrotum
Scanning protocol
- Epididymis
- Intratesticular fluid
- Congenital anomalies
- Acute scrotum
- Epididymitis and Orchitis
- Testicular torsion
- Bell clapper deformity
- Hydrocele
- Varicocele
- Testicular trauma
- Scrotal Hernia
- Testicular Cancer

Thyroid Ultrasound

- USG anatomy of thyroid gland
- Technique of thyroid scanning
- Diffuse thyroid disease (Goitre, Multinodular goitre, Graves's disease)
- Thyroiditis
- Thyroid nodule

CONTACT US:

+91-9910403561

+91-9990586828

Head Office Address:

Building No. 10, Tower A, DLF Cyber City, DLF Phase 2, Sector 24, Gurugram, Haryana 122001



www.iqramed.com



info@iqramed.com

