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**UPGRADE AND UPSKILL  
IN ULTRASOUND WITH BILMED**

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# About BilMed

BilMed Ultrasound Training Institute conducts both online and in-campus courses in India for freshers and for doctors with experience in Ultrasound, who want to upgrade and equip themselves with the latest in Ultrasonography.

In this digital age of online education, we provide complete and comprehensive online training in Ultrasound for the convenience of candidates, making Upskilling in Ultrasound accessible even with a busy schedule.

Our high-quality class videos are accessible through any screen just like a classroom projector for ease in learning and best use of your time.

## Dr. A.B. Wani

Director & CEO of BilMed

A career in Ultrasonography spanning over 20 years and trained over 25,000 doctors globally. He has published several books such as physics and machine settings / Female Pelvis / Advance Fetal Ultrasound / Fetal Color Doppler and Abdominal Ultrasound, etc. which has made learning the USG very easy.



# Accreditations & Approvals



## G.D. GOENKA UNIVERSITY

GD Goenka University is a private university located in Sohna, Gurugram, Haryana, India. It was established in 2013 by the GD Goenka Group through the Haryana Private Universities (Amendment) Act, 2013. The GD Goenka Group was founded by Shri A.K. Goenka. GD Goenka University is approved by University Grants Commission (UGC). GD Goenka University is a UGC-approved university. GD Goenka University is now on the private university list of CUET 2023

## IAO (International Accreditation Organization)

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.



## INSTITUTE OF RURAL HEALTH CARE

Ministry of Education Govt. of India, RURAL - AISHE CODE - S - 20140  
(Regd. Under Section 8 Companies ACT 2013, Ministry of Corporate Affairs, Govt of India)  
Head Office : 30/A, Exhibition Bagan Road, P.O-Berhampore, Dist-  
Murshidabad - 742101 (W.B)

## NMHI (Nuvah Medical & Healthcare Institute)

This is one of the pioneer institutes in India to provide online/offline/hybrid technical training for paramedical aspirants. The institute is a subsidiary of Bilmed Ultrasound Training Institute. It aims to provide the finest technical and career-oriented vocational courses in the field of paramedic and allied healthcare. Nuvah institute is approved by International Accreditation Organisation (IAO). NUVAH has a well-trained staff that provides focused healthcare services with contemporary technology.



## CERTIFICATION COURSES

### Basics of Gyne Obs Ultrasound Certificate Course

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

75  
Hours

03  
Months

Fee: 50,000 INR | 610 USD

### Advance Fetal Certificate Course

- ✓ Detail Fetal (Level 2<sup>nd</sup>)
- ✓ Foetal Color doppler
- ✓ Foetal Echocardiography

75  
Hours

03  
Months

Fee: 65,000 INR | 793 USD

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

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

150  
Hours

06  
Months

Fee: INR 1,25,000 | 1525 USD



Certificate



24/7 access



Doubt Clearing  
Session



E - Modules Included

## CERTIFICATION COURSES

### 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)

150  
Hours

06  
Months

Fee: 1,25,000 INR | 1525 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)

300  
Hours

12  
Months

Fee: 1,95,000 INR | 2379 USD



Certificate



24/7 access



Doubt Clearing  
Session



E - Modules Included

# Syllabus : Gyne Obs Ultrasound

## Physics of Ultrasound

- ✓ Ultrasound Physics (wave length, frequency, frame rate etc.)
- ✓ Machine Setting and Knobology
- ✓ Probe Movements
- ✓ Depth vs Frame rate
- ✓ Echogenicity Concept
- ✓ Angle of Insonation
- ✓ Posterior Enhancement
- ✓ Screen Orientation
- ✓ Probe Selection (TVS/TAS/Convex/Linear Volume)

## Ultrasound in Infertility

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

## Uterus and Ovaries

- ✓ TVS and TAS scanning techniques,
- ✓ 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

## Early / Ectopic Pregnancy

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

# Syllabus : Gyne Obs Ultrasound

## 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
- ✓ Chaired 2nd Malformation
- ✓ Hydrancephaly

## 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
- ✓ Polyhydramnios and Oligohydramnios

## 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
- ✓ Pancreatic carcinoma

## 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

## 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 ureteroceles
- ✓ Cystitis and bladder tumours
- ✓ Prostatitis and Benign Prostatic Hyperplasia
- ✓ Prostate Carcinoma



# Syllabus : Abdominal Ultrasound

## 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

## Breast Ultrasound

- ✓ USG Anatomy of Breast
- ✓ Technique of breast Scanning (Quadrant Scanning & radial Scanning)
- ✓ Analyzing a focal lesion in Breast (Fibroadenoma, Galactocele, Abscess Etc.)
- ✓ Ultrasound Criteria of benign & Malignant lesions.

## Digital Hands on Training




In India, hands-on ultrasound practice on real patients is prohibited under PCPNDT ACT (Govt. of India), that is why we provide a parallel platform similar to real life ultrasound session through digital demonstration on real patients.

Our training course is entirely based on practical tips and techniques with continued support by our facility even after the completion of the course. During our practical sessions, we thoroughly follow the scanning protocols and demonstrate all scanning techniques to meet on par with real time hands-on ultrasound practice. Students are properly taught about probe handling, focusing, dimensions & image interpretation to enable them to scan their patients efficiently after the completion of the course.

These Digital hands-on practical sessions are available both online and in-campus. (Online: any time as per candidates' convenience of time) In campus: As per mutual convenience between candidate & our faculty.

# Course Curriculum




**Ultrasound Physics & machine settings**

Description: In this course (Physics of Ultrasound), there are...

**20 Classes - 475Mins**

Course Duration: 40Days

[Join Now](#) [Watch demo](#)




**Gynecological Sonography (infertility included)**

In this course (Gynecological sonography) there are...

**27 Classes - 769Mins**

Course Duration: 45Days

[Join Now](#) [Watch demo](#)




**Early Pregnancy (Ectopic, level-1 Included)**

In this course (early pregnancy ectopic) there are...

**30 Classes - 835Mins**

Course Duration: 60Days

[Join Now](#) [Watch demo](#)



**Detailed Fetal Sonography**

In this course (fetal sonography), there are...

**48 Classes - 1405Mins**

Course Duration: 90Days

[Join Now](#) [Watch demo](#)



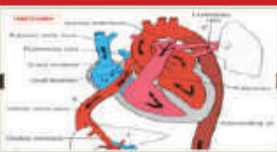
**Fetal Color doppler**

In this course (fetal color doppler) there are...

**37 Classes - 1051Mins**

Course Duration: 60Days

[Join Now](#) [Watch demo](#)



**Fetal Echocardiography**

In this course (Fetal Echocardiography), there are...

**6 Classes - 215Mins**

Course Duration: 30Days

[Join Now](#) [Enquire Now](#)




**Abdominal ultra Sonography**

In this course (abdominal Ultrasonography), there are...

**53 Classes - 1423Mins**

Course Duration: 90Days

[Join Now](#) [Watch demo](#)



**Kidney Prostate Bladder (KUB)**

In this course (KUB), there are 12 classes (there are)...

**12 Classes - 375Mins**

Course Duration: 30Days

[Join Now](#) [Watch demo](#)



**Small Parts (Thyroid & scrotum)**

In this course (Small Parts Ultrasonography) there are...

**13 Classes - 364Mins**

Course Duration: 30Days

[Join Now](#) [Watch demo](#)




**Breast USG**

In this course (Breast USG Course), there are 6 classes (there are)...

**6 Classes - 343Mins**

Course Duration: 30Days

[Join Now](#) [Enquire Now](#)



**CBT Course (Competency Based Evaluation Exam Prep)**

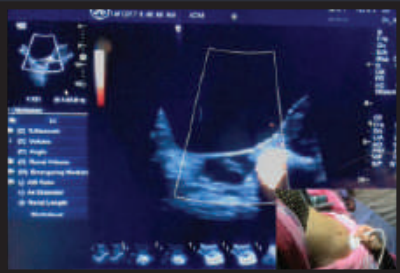
[Join Now](#) [Enquire Now](#)

## Classes Includes



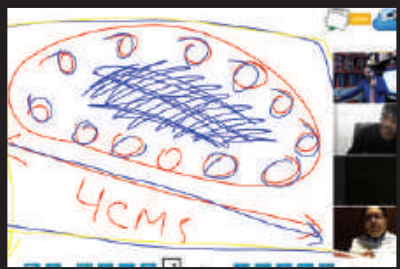
### Black board Sessions

Bringing real-life classroom setting into virtual, the trainer and candidates are involved in the process of learning and training



### Digital Hands on Sessions

Practical learning and training for you to have complete and comprehensive ultrasound training with pre recorded sessions on real patients



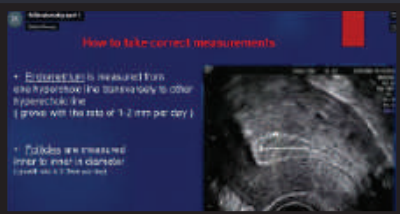
### Digital board Sessions

Online smart board allows your have complete immersive training experience, to learn and understand better



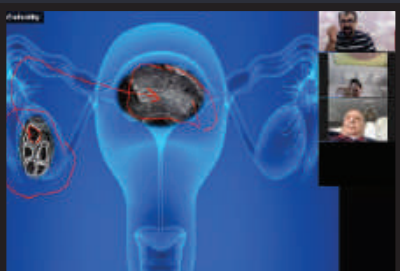
### Pre-recorded online sessions

Hone your ultrasound skills in your own time by accessing HD video classes anytime and on any screen



### Power Point Sessions

Makes passive learning into active learning as in-depth knowledge is being thoroughly explained with visual, auditory aides to optimize learning and training



### Interactive session

With doubt clearing sessions held once a week via ZOOM to assess your level of understanding of a concept and Clear your doubts with the Faculty directly

## G.D. GOENKA Sample Certificate



**G.D. GOENKA UNIVERSITY**  
FROM EDUCATION TO FLIGHT

**G.D. GOENKA UNIVERSITY**

THIS CERTIFICATE IS AWARDED TO



**BiMED**  
Ultrasound Training Institute

Enrollment No. \_\_\_\_\_

Serial No. \_\_\_\_\_

**Dr. xxxxxxxxxxxxxxxxxxxx**

S/D/W/O \_\_\_\_\_ For Completing (Course name)  
Having a duration of (Course Duration) With \_\_\_\_\_ Grade. He/She Have  
Completed the prescribed requirements of said Certificate in 2023

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**Registrar**

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**Vice Chancellor**

## IAO Sample Certificate



**BILMED ULTRASOUND INSTITUTE**  
AN EXCELLENCE OF ULTRASOUND TRAINING  
AN INTERNATIONAL ACCREDITED INSTITUTE BY IAO

Date of Enrolment: xxxxxxxxxxxx

It is to certify that Dr. xxxxxxxxxxxxxxxx enrolment no. xxxxxxxxxxxxx has been a bonafide student of 'BiMed Ultrasound Training Institute.' He/She has successfully completed the 'Complete Ultrasound Course' with merit on xxxxxxxxxx.

The Academic Grade are as mentioned below for 12 Months Training Program:

S. No.	Subject	Grade	Re- marks
1	Physics and machine settings screen orientation	A1	Exellent
2	Early & Ectopic Pregnancy	A1	Exellent
3	Gynecological Ultrasound	A	Good
4	Abdominal Ultrasound	A1	Exellent
5	Detailed Fetal Sonography	A	Good



Academic Head



Director



xxxxxxx  
Date of Issue

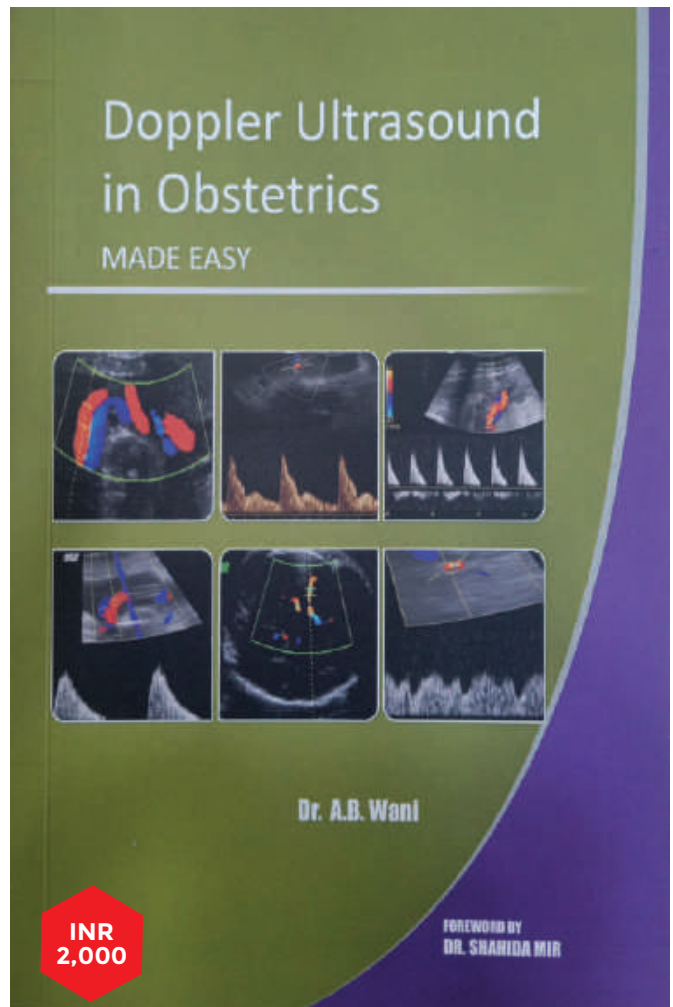
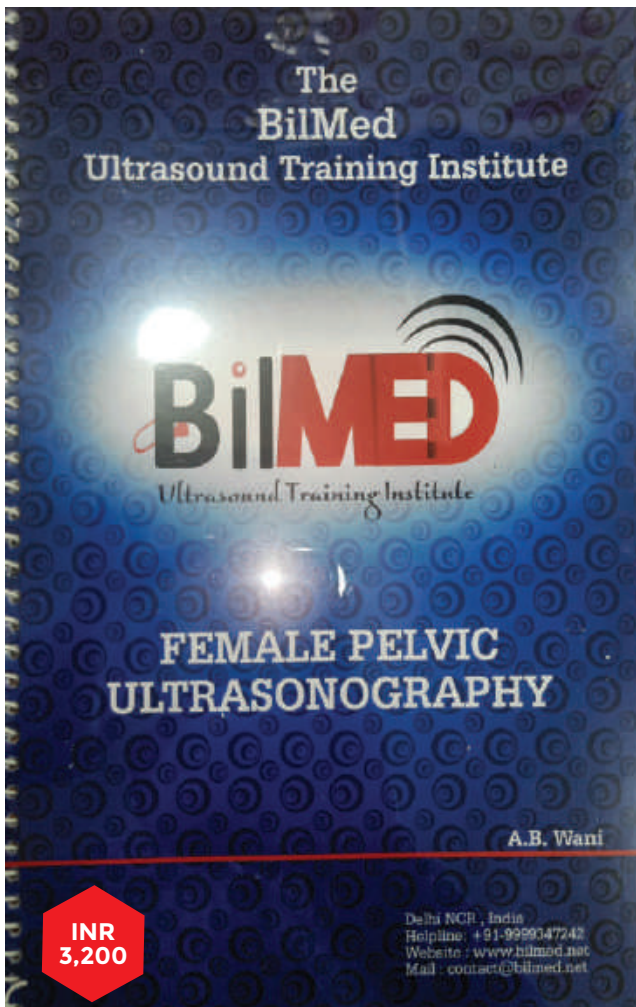
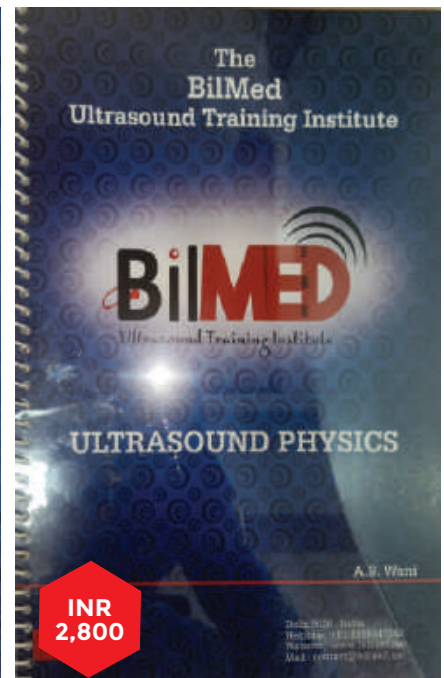
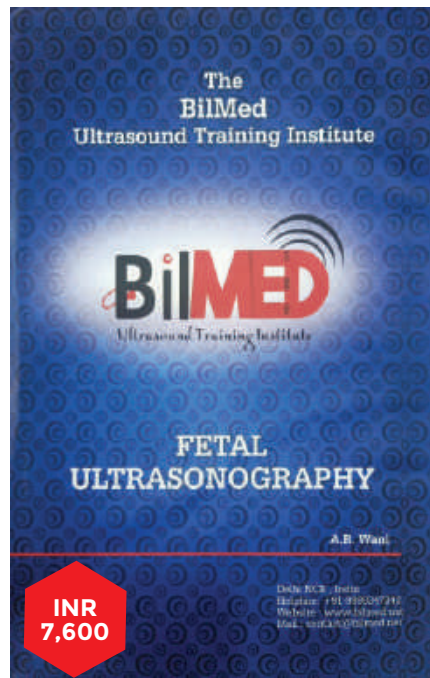
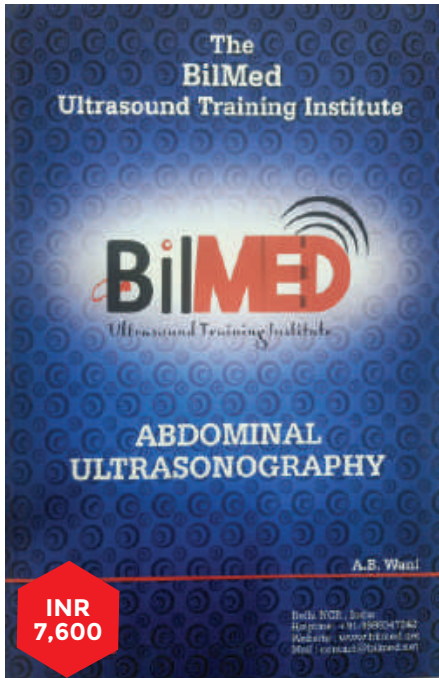






www.bilmed.net

## Hard Copy (Books)



# SOME GLIMPSES FROM OUR SUCCESSFUL BATCHES









**25,000**  
Registered Candidates



**CERTIFIED**  
Course



**HIGH QUALITY**  
Video lecture on our Server



**SERVER BASED**  
24/7 access on our Server



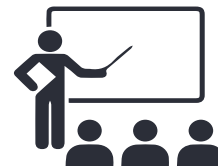
**PRACTICALS**  
Provided



**WEEKLY**  
Doubt Clearing Session

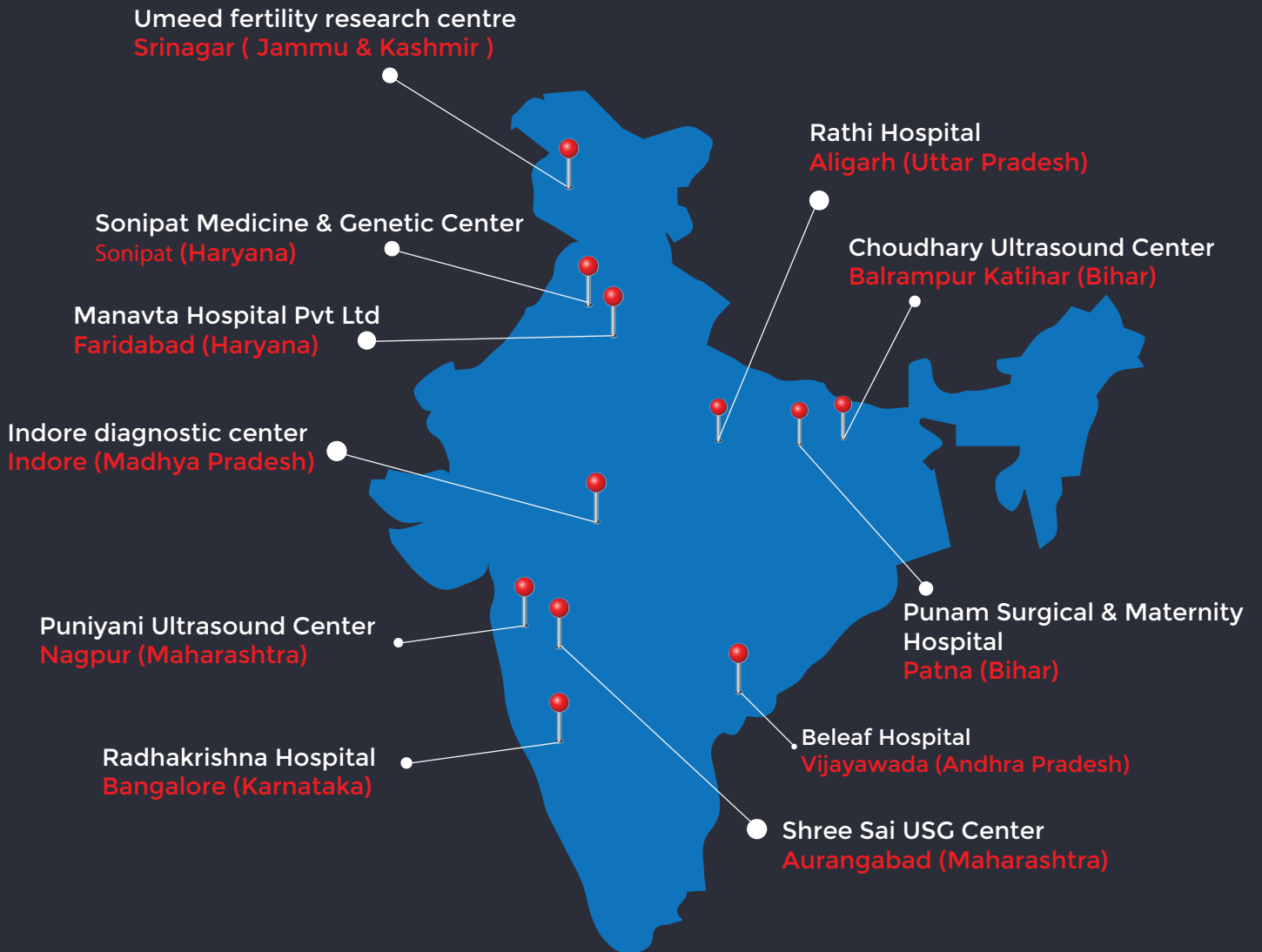


**E - MODULES**  
Included



**20 YEARS**  
Experienced faculty

# Our Domestic Centers



+91-9311772531  
+91-9311772533  
+91-9311964888  
+91-9311964889  
+91-9311964891  
+91-9289599516  
+91-9311964180



[www.bilmed.net](http://www.bilmed.net)



[contact.bilmed@gmail.com](mailto:contact.bilmed@gmail.com)



bilmed ultrasound institute



# Bilmed International Branches



JMD Megapolis, 7 floor, Unit No.730, Sector 48, Sohna Road, Gurugram  
Delhi (NCR), 122018



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[contact.bilmed@gmail.com](mailto:contact.bilmed@gmail.com)



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