



Institute of Health Care Management and Development, Peshawar



**INSTITUTE OF HEALTH CARE MANAGEMENT AND DEVELOPMENT,
PESHAWAR**

IN

**COLLABORATION WITH HEALTH SERVICES ACADEMY ISLAMABAD (DEGREE
AWARDING INSTITUTE, GOVERNMENT OF PAKISTAN)**

Diploma in Ultrasound

Course Description:

In this course, you'll learn how to use ultrasound to diagnose the most important problems seen in the acute care setting. Ideal for anyone who's just starting to use point of care ultrasound — be it in the emergency department, general ward, ICU, or private clinic. Learn to use USG to increase your success rate, and decrease complications, when performing common procedures

After completing this course, you will be able to:

Perform an ultrasound of abdominal & OB/GYN organs. Confidently identify normal variants of the abdominal & OB/GYN organs. Diagnose and document the most common abdominal & OB/GYN pathologies. Differentiate between benign and malignant changes in abdominal & OB/GYN organs. Select the key images to document and write a comprehensive ultrasound report.

Total duration and Format:

6 months (24 weeks, including contact sessions, assignments and comprehensive examination).

Credit Hours:

18 (4 credit hours for 04 Contact Sessions and 2 credit hours for assignments and presentation covered by from the participants.

(The certificate course has a total of four modules; each course has 4-credit hours. So the total Diploma in Ultrasound course has 18 credit hours.)

THE PROGRAM SPANS OVER SIX MONTHS.



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IT IS DIVIDED INTO FOUR INDEPENDENT MODULES.

Table 1: Module I of the Diploma in Ultrasound

(1st Contact Session)

Course Code	Topics	Contents	Credit hours	Assessment
IHCMD/HS A/DU-401	Ultrasound Physics:	<ul style="list-style-type: none"> Transducer Basics, Imaging Conventions, Artifacts, Doppler-Mode 	4	
	Gall bladder & Common bile duct:	<ul style="list-style-type: none"> Biliary system, GB imaging, Pathologies: Cholelithiasis, 		
		<ul style="list-style-type: none"> Cholecystitis (Acute & Chronic), Polyp, GB full of stones, Adenomyomatosis, Worms in GB, Cholelithiasis 		
Liver:	<ul style="list-style-type: none"> Basic Anatomy, Scanning, Pathologies: Cirrhosis, 			

Table 2: Module II of the Diploma in Ultrasound

(2nd Contact Session)

Course Code	Topics	Contents	Credit hours	Assessment
IHCMD/HSA/DU-402	Liver:	<ul style="list-style-type: none"> Acute hepatitis, Haemangioma, Fatty liver, Abscess, polycystic liver disease, 	4	<ul style="list-style-type: none"> Continuous assessment/internal assessment (20%) Presentations (30%) Assignments (50%)



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		<ul style="list-style-type: none"> • Simple cyst, Hydatid cyst, solid tumor masses 		
	Kidney:	<ul style="list-style-type: none"> • Basic Anatomy, Scanning, Congenital Anomalies: Pelvic Ectopic kidney, Horse shoe kidney • Hydronephrosis 		

Table 3: Module III of the Diploma in Ultrasound
(3rd Contact Session)

Course Code	Topics	Contents	Credit hours	Assessment
IHCMD/HSA/DU-403	Urinary Bladder:	<ul style="list-style-type: none"> • Basic Anatomy, Scanning, Prevoid & post void volume, • Vesicle calculus, Cystitis, Bladder diverticula, Tumorous mass 	4	
	Spleen & Pancreas:	<ul style="list-style-type: none"> • Anatomy, Pancreatitis (Acute & Chronic) • Pseudo cyst, Tumorous mass, Splenomegaly, Splenic Abscess 		

Table 4: Module IV of the Diploma in Ultrasound
(4th Contact Session)

Course Code	Topics	Contents	Credit hours	Assessment
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IHCMD/HSA/DU-404	Uterus:	<ul style="list-style-type: none">• Basic Anatomy, Scanning, Hypoplastic uterus, Haematocolpos & Haematometocolpos, Fibroid, Adenomyosis, Mensural Cycle: Ovarian cycle, Uterine cycle•	4	<ul style="list-style-type: none">• Continuous assessment/internal assessment (20%)• Presentations (30%) Assignments (50%)
	Ovaries:	<ul style="list-style-type: none">• Basic anatomy, Ovarian Pathologies: Follicular retention cyst, Simple cyst, Haemorrhagic cyst, Chocolate/Endometriotic Cyst, Dermoid cyst, Polycystic Ovaries•		
	Obstetrics:	<ul style="list-style-type: none">• 1st Trimester - True /False gestational sacs & there, characteristic features, Ectopic pregnancy, Twin pregnancy,		

ELIGIBILITY CRITERIA

- MBBS/BDS or 16 years of education in Health & Allied Sciences Discipline like MBBS, BDS. Nursing, Physiotherapy, Pharmacy etc.
- Computer literacy in MS Office and the internet is a MUST.

Program Fee: Rs 50,000/-

- **Address:** Institute of Health Care Management and Development, (Imperial Education System Building) Opposite Roots Millennium Schools System Gul abad, Phase-III Chowk Jamrud Road Peshawar.

For Further Detail Please contact.

Director / Program Coordinator

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