

RAHIM MEDICAL INSTITUTE



AND

ALLIED HEALTH SCIENCES



**POSTGRADUATE DIPLOMA IN
ULTRASOUND
Six-Months**

DIPLOMA IN ULTRASOUND

Course Description:

In this course, you'll learn how to use ultrasound to diagnose the most important and basic pathology seen in routine bases, Hands on practice at campus and in hospital, group stations, study notes with reporting skills and radiology career counseling must include. Ideal for anyone who's just starting to use point of care ultrasound, be it in the emergency department, private clinic, general OPD/ward, ICU. Learn to use to increase your success rate & decrease complications, when performing common procedures.

AFTER COMPLETING THIS COURSE, YOU WILL BE ABLE TO:

Perform ultrasound of abdominal/pelvic & OBS/GYN. Confidently identify normal variants of the abdominal & OB/GYN organs. Diagnose and document the most common abdominal & OB/GYN pathologies.

TOTAL DURATION AND FORMAT:

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

CREDIT HOURS:

32 credit hours for class Sessions and clinical assignments and presentation covered by from the participants. (The certificate course has a total of four modules; each course has 08-credit hours. So the total Diploma in Ultrasound course has 32 credit hours.)

THE PROGRAM SPANS OVER SIX MONTHS.

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
RMC-401	Ultrasound Physics:	<ul style="list-style-type: none"> Basic physics of US, Basic of Transducer, Imaging <i>conventions</i>, Types of probes, Artifacts & its types, D-Mode, M-Mode, B-Mode. 	8	
	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), GB Polyp, sludge , GB full of stones, Adenomyomatosis, Choleletholithiasis 		
Liver:	<ul style="list-style-type: none"> Basic Anatomy, Scanning method , Pathologies: Acute hepatitis, Fatty liver and grades of fatty liver, Liver Abscess, Cirrhosis, 			

Table 2: Module II of the Diploma in Ultrasound
(2nd Contact Session)

Course Code	Topics	Contents	Credit hours	Assessment
RMC-402	Liver:	<ul style="list-style-type: none"> polycystic liver disease, Simple cyst, Hydatid cyst, benign & malignant hepatic 	8	<ul style="list-style-type: none"> Continuous assessment/internal assessment (20%) Presentations (30%) Assignments (50%)

		masses.		
	Kidney:	<ul style="list-style-type: none"> • Basic Anatomy, Scanning, Ectopic kidney, Horse shoe kidney, Polycystic Kidney Disease, renal cortical cyst, • Hydronephrosis & its grades. 		

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

Course Code	Topics	Contents	Credit hours	Assessment
RMC-403	Urinary Bladder:	<ul style="list-style-type: none"> • Basic Anatomy, Scanning, cystitis , Pre void & post void volume, 	8	
		<ul style="list-style-type: none"> • Vesicle calculus, Bladder diverticula, UB mass 		
	Spleen & Pancreas:	<ul style="list-style-type: none"> • Anatomy, Pancreatitis (Acute & Chronic) • Pseudo cyst, splenic 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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RMC-404	Uterus:	<ul style="list-style-type: none"> • Basic Anatomy, Scanning method, Common Uterine Position , Hypoplastic uterus, Fibroid and types of fibroid, Adenomyosis, Menstrual Cycle: • Endometrial hyperplasia. 	8	<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 cyst, Simple cyst, Hemorrhagic cyst, Chocolate/Endometriotic Cyst, Dermoid cyst, Polycystic Ovaries. 		
RMC-405	Obstetrics:	<ul style="list-style-type: none"> • Assessment of 1st ,2nd and 3rd Trimester on us. True / False gestational sacs there characteristic features, AFI, Ectopic pregnancy, Placenta, Twins pregnancy, 		

ELIGIBILITY CRITERIA

- MBBS/FCPS
- BS Radiology
- Diploma in Radiology
- Nursing, LHV's
- Physiotherapy,
- DHMS/BHMS

Computer literacy in MS Office and the internet is a Must.

Program Total Fee PKR: 65,000/-

Director / Program Coordinator