

Agenda of the Meeting of **Speciality Advisory Committee in Radiology** for review of MD synopses to be held on **Thursday, 16<sup>th</sup> February 2023,** at **10:00 a.m.** in University of Health Sciences, Lahore.

Sr. #	Name of Candidate	Supervisor	Title
1.	Dr. Shoaib Qadir Khan (Revised)	Prof. Rana Zaheer Mustafa Professor of Radiology Sheikh Zayed Medical College Rahim Yar Khan	The role of MRCP in evaluation of obstructive jaundice in corelation with ERCP
2.	Dr. Amna Sheraz Butt (Revised)	<b>Dr. Sarfraz Ahmad</b> Assistant Professor of Radiology Khawaja Muhammad Safdar Medical College, Sialkot	Diagnostic accuracy of ultrasound in diagnosing suspicious breast lesions for malignancy taking histopathology as gold standard
3.	Dr. Tehmina Naz (Revised)	<b>Dr. Muhammad Saleem Akhter</b> Assistant Professor of Radiology Sahiwal Medical College, Sahiwal	Diagnostic accuracy of shear wave elastography in characterization of hepatic focal lesions taking triphasic CT as gold standard
4.	Dr. Sehrish Rasheed (Revised)	<b>Dr. Muhammad Amin</b> Assistant Professor of Radiology The Children's Hospital & Institute of Child Health, Multan	Comparison of diagnostic accuracy of ultrasound vs MRI for disordered sex development in patients less than two years of age keeping karyotyping as gold standard
5.	Dr. Nazia Mustafa (Revised)		Comparison of diagnostic accuracy of ultrasound and barium meal for infantile hypertrophic pyloric stenosis taking surgical findings as gold standard
6.	Dr. Shazra Batool (Revised)		Comparison of diagnostic accuracy of magnetic resonance spectroscopy and mammography for evaluating malignant lesions of the breast taking histopathology as gold standard
7.	Dr. Saba Imtiaz	<b>Prof. Dr. Saima Ameer</b> Professor of Radiology	Diagnostic accuracy of MRI to determine relation of perianal fistula to internal sphincter taking intra-operative findings as gold standard
8.	Dr. Muhammad Zeeshan	Postgraduate Medical Institute, Lahore	Diagnostic accuracy of trans-rectal strain elastography in detection of prostatic cancer taking histopathology as gold standard
9.	Dr. Rabia Abdul Rashid		Comparative analysis of shearwave elastography (SWE) and FNAC in diagnosis of malignant thyroid nodules taking excisional biopsy with histopathology as gold standard



Agenda of the Meeting of **Speciality Advisory Committee in Radiology** for review of MD synopses to be held on **Monday, 21<sup>st</sup> November 2022,** at **09:30 a.m.** in University of Health Sciences, Lahore.

Sr. #	Name of Candidate	Supervisor	Title
			Comparative analysis of ultrasound and
1.	Dr. Rabia Iram		MRI for medical meniscus tear of knee
			joint taking arthroscopy as gold standard
_		Prof. Dr. Saima Ameer	Comparison of diagnostic accuracy of
2.	Dr. Gohar Fraz	HOD, Radiology Department,	dynamic ultrasound and MRI for ACL tear,
		Postgraduate Medical Institute, Lahore	taking arthroscopy as gold standard
			Diagnostic accuracy of shear wave
3.	Dr. Tayaba Shahid Khan		elastography in early detection of
	Knan		malignant breast lesions taking
	D.: Commond		histopathology as gold standard  Diagnostic accuracy of x-rays in detecting
4.	Dr. Sarmad Mehmood		sacroiliitis keeping MRI as gold standard
	Picinilou		Comparison of diagnostic accuracy of
	Dr. Farhana Kosar		ultrasound and magnetic resonance
5.	(Revised)	Dr. Sarah Nisar,	imaging in diagnosis of rotator cuff injuries
	(Meriesa)	Assistant Professor of Radiology	taking arthroscopy as gold standard
		Quaid-e-Azam Medical College,	Comparison of ultrasound and magnetic
		Bahawalpur	resonance imaging (MRI) for assessment
6.	Dr. Rubeena		of myometrial invasion in endometrial
	Hashmi		cancer keeping histopathology as gold
			standard
			Comparison of intussusception on
7.	Dr. Wajia Rana	<b>Dr. Muhammad Amin</b> Assistant Professor of Radiology	ultrasound versus post surgical finding in
		The Children's Hospital & Institute of Child Health, Multan	pediatric population
8.	Dr. Nazia Mustafa		Diagnostic accuracy of ultrasound for IHPS
			taking surgical findings as gold standard
	Dr. Usama Ahmad (Revised)	Dr. Muhammad Saleem Akhter	Diagnostic accuracy of ultrasound in
9.		Assistant Professor of Radiology Sahiwal Medical College, Sahiwal	clinically diagnosed cases of acute pancreatitis taking contrast enhanced CT
	(Revised)		as gold standard
		Prof. Rana Zaheer Mustafa	Role of Magnetic Resonance Imaging
	Dr. Sara Rasheed	Professor of Radiology	(MRI) in diagnosis of endometrial
10.	(Revised)	Sheikh Zayed Medical College	carcinoma taking histopathology as a gold
		Rahim Yar Khan	standard
		Dr. Sarfraz Ahmad,	Comparison of diagnostic accuracy of
11.	Dr. Javeria Aslam	Assistant Professor of Radiology	transvaginal ultrasonography and MRI for
11.	Butt	Allama Iqbal Memorial Teaching	assessment of myometrial invasion by
		Hospital, Sialkot	endometrial carcinoma
			Comparison of diagnostic accuracy of
12.	Dr. Kunza Aslam	Prof. Basma Khan,	computed tomography and magnetic
		Professor of Radiology Allama Iqbal Medical College	resonance cholangio pancreatography in
			the diagnosis of malignant obstructive
		Lahore	Jaundice using histopathology as gold
			standard

13.	Dr. Tayyaba Khalid	Prof. Shumaila Seemi Malik Professor of Radiology Services Institute of Medical Sciences Lahore	Determination of diagnostic accuracy of American college of radiology thyroid imaging reporting and data system for thyroid nodules on ultrasonography keeping Bethesda cytological score at fine needle aspiration cytology as gold standard
14.	Dr. Sumera Kanwal (Revised)	<b>Dr. Sara Nisar</b> Assistant Professor of Radiology Quaid-e-Azam Medical College Bahawalpur	Comparison of diagnostic accuracy of MRI and CT in differentiating neoplastic from infectious and inflammatory causes of unilateral maxillary sinus opacification taking histopathology as gold standard
15.	Dr. Afia Ghauri (Revised)	<b>Dr. Kamran Naseem</b> Assistant Professor of Radiology Quaid-e-Azam Medical College Bahawalpur	Comparison of diagnostic accuracy of CT fistulography and MRI in evaluation of fistula in ano taking surgical findings as gold standard



Agenda of the Meeting of **Speciality Advisory Committee in Radiology** for review of MD synopses to be held on **Tuesday, 30<sup>th</sup> August 2022,** at **10:30 a.m.** in University of Health Sciences, Lahore.

Sr. #	Name of Candidate / Specialty	Supervisor	Title
1.	Dr. Sumera Kanwal	<b>Dr. Sarah Nisar</b> Assistant Professor of Radiology Quaid-e-Azam Medical	Comparison of diagnostic accuracy of MRI and CT in histopathologically proved malignant lesions presenting as unilateral maxillary sinus opacification
2.	Dr. Farhana Kosar	College/Bahawal Victoria Hospital, Bahawalpur	Diagnostic Accuracy of ultrasound in rotator cuff injuries taking magnetic resonance imaging as gold standard
3.	Dr. Afifa Ghauri	<b>Dr. Kamran Naseem</b> Assistant Professor of Radiology Quaid-e-Azam Medical College/Bahawal Victoria Hospital, Bahawalpur	Diagnostic accuracy of ultrasonography in detection of thyroid nodule as malignant or benign taking histopathology as gold standard in adult patients
4.	Dr. Muhammad Hashim		Comparison of high-resolution ultrasonography and magnetic resonance imaging in evaluation of non-palpable undescended testes taking laparoscopic findings as gold standard
5.	Dr. Ikram Akhtar (Revised)	<b>Prof. Mustafa Ali Siddiqui</b> Head, Department of Radiology	Assessment of coronary artery disease severity with CT calcium scoring confirmed on conventional coronary angiography
6.	Dr. Muhammad Aftab	Ch. Pervaiz Elahi Institute of Cardiology, Multan	A Comparative study between ultrasonography and non-enhanced computed tomography for evaluation of ureteric calculi
7.	Dr. Amna Sheraz Butt	Assistant Professor of Radiology Khawaja Muhammad Safdar Medical College/Allama Iqbal Memorial Teaching Hospital, Sialkot	Correlation of high-resolution computed tomography findings with clinical severity of symptoms in covid-19 patients
8.	Dr. Qurat ul Ain Ch	<b>Dr. Muhammad Saleem Akhtar</b> Assistant Professor of Radiology Sahiwal Medical College/DHQ Teaching Hospital, Sahiwal	Diagnostic accuracy of B-mode ultrasonography in detection of tractional retinal detachment in patients of vitreous hemorrhage due to diabetic retinopathy undergoing vitrectomy taking surgical findings as gold standard
9.	Dr. Faisal Anwar		Comparison between ultrasonography and contrast enhanced CT scan in diagnosis of renal messes

10.	Dr. Muhammad Musab Abdullah (Revised) Dr. Shazra Batool	Prof. Saima Ameer Professor & Head, Department of Radiology	Comparison of diagnostic accuracy of trans abdominal ultrasound with MRCP in evaluation of obstructive jaundice taking ERCP as gold standard  Comparison of diagnostic accuracy of
	DIT SHUZIU BULOOF	Postgraduate Medical Institute/Lahore General Hospital Lahore	magnetic resonance spectroscopy and ultrasonography for evaluating malignant lesions of the breast taking histopathology as gold standard
12.	Dr. Fatima Chatta	Associate Professor Department of Radiology Shaikh Zayed Postgraduate Medical Institute/Shaikh Zayed Hospital, Lahore	Diagnostic accuracy of diffusion-weighted magnetic resonance imaging in differentiating intracranial benign and malignant meningiomas keeping histopathology as gold standard
13.	Dr. Tayyaba Khalid (Absent)	Prof. Shumaila Seemi Malik Professor of Radiology Services Institute of Medical Sciences/Services Hospital, Lahore	Determination of diagnostic accuracy of American college of radiology thyroid imaging reporting and data system for thyroid nodules on ultrasonography keeping Bethesda cytological score at fine needle aspiration cytology as gold standard
14.	Dr. Sumbal Zahra	<b>Dr. Faisal Nadeem Khan</b> Assistant Professor of Radiology	Accuracy of tirades in differentiating benign versus malignant thyroid lesions keeping FNAC as gold standard
15.	Dr. Amna Hamzah	Punjab Institute of Cardiology, Lahore	Evaluation of relationship between various grades of fatty liver and shear waves elastography values



Agenda of the Meeting of **Speciality Advisory Committee in Radiology** for review of MD synopses to be held on **Tuesday, 24<sup>th</sup> May 2022,** at **10:30 a.m.** in University of Health Sciences, Lahore.

Sr. #	Name of Candidate / Specialty	Supervisor	Title
	Dr. Faaiza Irshad	Professor & Head, Department of Radiology	Diagnostic accuracy of Focused Abdominal Computed Tomography (FACT) in diagnosing acute appendicitis taking histopathology as gold standard
2.	Dr. Sudhanshu Kumar Thakur	Shaikh Zayed Postgraduate Medical Institute/Shaikh Zayed Hospital, Lahore	Association of HbA1c with peripheral arterial disease of lower limbs in diabetic patients using doppler sonography
3.	Dr. Mishal Waheed Butt		Diagnostic accuracy of B-mode ultrasound in diagnosing lymph node malignancy in head and neck region taking histopathology as gold standard
4.	Dr. Muhammad Musab Abdullah		Diagnostic accuracy of MRCP in detection of choledocholithiasis taking ERCP as gold standard
5.	Dr. Muhammad Kaleem	Prof. Saima Ameer Professor & Head, Department of Radiology Postgraduate Medical Institute/Lahore General Hospital, Lahore	Diagnostic accuracy of Shear Wave Elastography (SWE) in differentiation of benign and malignant cervical lymph nodes taking FNAC as gold standard
6.	Dr. Usman Mazhar		Accuracy of spinal ultrasound in diagnosis of pyogenic meningitis in infants younger than six months keeping cerebro spinal fluid examination as gold standard
7.	Dr. Muhammad Awais		Diagnostic accuracy of capsular and intratesticular arteries resistive index by color Doppler ultrasonography to assess spermatogenesis keeping semen analysis as gold standard
8.	Dr. Shoaib Qadir Khan	Dr. Rana Zaheer Mustafa Associate Professor & Head, Department of Radiology Sheikh Zayed Medical College/Sheikh Zayed Hospital, Rahim Yar Khan	Diagnostic accuracy of chest X-Ray in the diagnosis of mediastinal masses taking computed tomography as gold standard
9.	Dr. Faisal Anwar	<b>Dr. Muhammad Saleem Akhtar</b> Assistant Professor of Radiology Sahiwal Medical College/DHQ Teaching Hospital, Sahiwal	Diagnostic Accuracy of contrast enhanced CT scan for the diagnosis of renal cell carcinoma by taking histopathology as gold standard in patients with symptomatic renal mass
10.	Dr. Mahnoor Aslam	<b>Dr. Ayesha Kamran</b> Assistant Professor of Radiology Sargodha Medical College/DHQ Teaching Hospital, Sargodha	Comparison of the ultrasound guided Trucut biopsy with postoperative histopathology results for the identification of types of malignant breast mass in patients

11.	Dr. Kashmala Sarfraz	<b>Dr. Nazish Hameed</b> Assistant Professor of Radiology Sargodha Medical College/DHQ Teaching Hospital, Sargodha	Diagnosis of renal stones on ultrasound and CT; comparison with post-operative findings
12.	Dr. Rubeena Hashmi	<b>Dr. Sarah Nisar</b> Assistant Professor of Radiology	Comparative role of pelvic MRI and ultrasound in detection of polycystic ovarian syndrome in young adolescent girls
13.	Dr. Usman Rasheed Faridi	Quaid-e-Azam Medical College/Bahawal Victoria Hospital, Bahawalpur	Comparative analysis of Doppler ultrasound with Computed Topography (CT portography) for varices detection in liver cirrhosis
14.	Dr. Sadeem Lodhi	Prof. Abdul Sattar Anjum Professor & Head, Department of Radiology Nishtar Medical College/Nishtar Hospital, Multan	tracheobronchoscopy in children with



Agenda of the Meeting of Speciality Advisory Committee in Radiology for review of MD synopses to be held on **Tuesday**, **19**<sup>th</sup> **April 2022** at **11:00 a.m.** in University of Health Sciences, Lahore.

Sr. #	Name of Candidate / Specialty	Supervisor	Title
2.	Dr. Ammara Ahmed  Dr. Maham Khalid	Dr. Saulat Sarfraz Associate Professor & Head, Department of Radiology Shaikh Zayed Postgraduate Medical Institute/Shaikh Zayed Hospital, Lahore	Comparison of modified versus conventional computed tomography severity index in acute pancreatitis taking clinical diagnosis as gold standard  Diagnostic accuracy of Thyroid Imaging Reporting and Data System (TI-RADS) on ultrasound in patients with suspicious thyroid nodule taking histopathology as gold standard
3.	Dr. Marriam Liaquat	<b>Dr. Mian Waheed</b> Assistant Professor of Radiology Gujranwala Medical College/ DHQ Teaching Hospital, Gujranwala	Diagnostic accuracy of doppler ultrasound in differentiating benign and malignant thyroid nodule taking the fine needle aspiration cytology as gold standard
4.	Dr. Imran Khan	Dr. Muhammad Saleem Akhtar Assistant Professor of Radiology Sahiwal Medical College/DHQ Teaching Hospital, Sahiwal	Diagnostic accuracy of ultrasound in diagnosing cholelithiasis in patients presenting with obstructive jaundice taking operative findings as gold standard
5.	Dr. Saba Babar	Prof. Mustafa Ali Siddiqui Head, Department of Radiology Ch. Pervaiz Elahi Institute of	To determine the diagnostic accuracy of Doppler Ultrasonography (DUS) in detecting occlusive disease taking Computed Tomography (CT) as gold standard in suspected patients of limb ischemia
6.	Dr. Muhammad Aasim Sharif	Cardiology, Multan	Diagnostic accuracy of transthoracic ultrasound in pulmonary thromboembolism taking computed tomography pulmonary angiography as gold standard
7.	Dr. Usama Ahmad	Prof. Mustansar Mahmood Waraich Head, Department of Radiology Quaid-e-Azam Medical College/Bahawal Victoria	Assessment of posterior reversible encephalopathy syndrome on diffusion weighted magnetic resonance imaging and apparent diffusion coefficient in postpartum period of females with hypertensive pregnancy
8.	Dr. Sidra Saba	Hospital, Bahawalpur	Diagnostic accuracy of ultrasound in detection of ureteric calculi taking non contrast computed tomography as gold standard

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9.	Dr. Amara Altaf		Comparison between the
			diagnostic accuracies of Xray
			and ultrasonography in detecting
			ureteric stone taking non
			enhanced CT KUB as gold
			standard
10.	Dr. Muhammad Aizaz		Role of magnetic resonance
	Mazari		spectroscopy and diffusion
			weighted imaging in diagnosing
		Prof. Saima Ameer	prostatic carcinoma keeping
		Head, Department of Radiology	histopathology as a gold
		Postgraduate Medical	standard
11.	Dr. Mahboob Ahmed	Institute/Lahore General	Diagnostic accuracy of ABC/2
		Hospital, Lahore	volume formula in CT brain for
		Trospical, Editore	assessing the volume of
			extradural hematoma in trauma
			patient taking post-operative
			findings as a gold standard
12.	Dr. Sarfaraz Ahmad		Diagnostic accuracy of computed
			tomography angiography in
			detection of cerebral arterio-
			venous malformation taking
			digital subtraction angiography
			as gold standard



Agenda of the Meeting of **Speciality Advisory Committee in Radiology** for review of MD synopses to be held on **Tuesday**, **10**<sup>th</sup> **May 2022**, at **10:30 a.m.** in University of Health Sciences, Lahore.

Sr. #	Name of Candidate / Specialty	Supervisor	Title
	Dr. Ahmad Bilal	<b>Dr. Saulat Sarfraz</b> Associate Professor & Head, Department of Radiology Shaikh Zayed Postgraduate Medical Institute/Shaikh Zayed Hospital, Lahore	Diagnostic accuracy of chest X ray in detecting mild moderate and severe lungs involvement in autoimmune diseases keeping high resolution computed tomography as gold standard
2.	Dr. Sakeena Kanwal	<b>Dr. Faisal Nadeem Khan</b> Assistant Professor of Radiology Punjab Institute of Cardiology, Lahore	Diagnostic accuracy of Shear wave elastography to diagnose liver cirrhosis in chronic hepatitis C patients keeping biopsy as gold standard
3.	Dr. Tayyaba Gull	Prof. Shumaila Seemi Malik Professor of Radiology Services Institute of Medical Sciences, Lahore	Diagnostic accuracy of computerized tomography in fungal sinusitis taking histopathology as gold standard
4.	Dr. Hazim Afzal	Dr. Mian Waheed Ahmad	Diagnostic accuracy of MRI according to PI- RADS in diagnosis of prostate carcinoma keeping histopathology as gold standard
5.	Dr. Amsal Saeed	Assistant Professor of Radiology Gujranwala Medical College/ DHQ Teaching Hospital, Gujranwala	Diagnostic accuracy of Magnetic Resonance Imaging (MRI) knee in detecting Anterior Cruciate Ligament (ACL) tears assuming arthroscopy as gold standard
6.	Dr. Shahla Qadeer		Diagnostic accuracy of DWI magnetic resonance image (MRI) in ovarian tumors keeping biopsy as gold standard
7.	Dr. Muhammad Waseem	Dr. Muhammad Saleem Akhtar	Comparison of carotid ultrasonography with CT angiography in quantification of carotid artery stenosis among diabetic patients
8.	Dr. Tehmina Naz	Assistant Professor of Radiology Sahiwal Medical College/DHQ Teaching Hospital, Sahiwal	Comparison of barium swallow with endoscopic biopsy in differentiating benign versus malignant esophageal strictures in adult population at Sahiwal Teaching Hospital Sahiwal, A cross sectional study
9.	Dr. Sara Rasheed	<b>Dr. Rana Zaheer Mustafa</b> Associate Professor of Radiology Sheikh Zayed Medical College / Sheikh Zayed Hospital, Rahim Yar Khan	Comparison of ultrasonography versus hormonal assays in diagnosis of polycystic ovarian syndrome
10.	Dr. Ikram Akhtar	<b>Prof. Mustafa Ali Siddiqui</b> Head, Department of Radiology Ch. Pervaiz Elahi Institute of Cardiology, Multan	To determine association of coronary artery disease severity with calcium scoring on coronary CT angiography in patients with chest pain taking coronary angiography as gold standard
11.	Dr. Fouzia Khanam	<b>Dr. Azhar Mehmood Javed</b> Associate Professor of Radiology The Children's Hospital & the Institute of Child Health, Multan	Comparison of parameters of barium enema in diagnostic workup of Hirschsprung's disease in comparison with rectal biopsy in children of more than 6 months age

12.	Dr. Sehrish	Diagnostic accuracy of ultrasound in gender
	Rasheed	determination of disordered sex
		development keeping karyotyping as gold
		standard



Agenda of the Meeting of Speciality Advisory Committee in Radiology for review of MD synopses to be held on **Friday, 4<sup>th</sup> February 2022** at **10:00 a.m.** in University of Health Sciences, Lahore.

### **AGENDA**

Sr. #	Name of Candidate / Specialty	Supervisor	Title
:	Dr. Masood-ul-Hasan Shouk	Prof. Saima Ameer Head, Department of Radiology Postgraduate Medical Institute/Lahore General Hospital, Lahore	Accuracy of chest CT as a diagnostic option for COVID-19 patients in Lahore keeping PCR gold standard
2.	Dr. Rumeesa Hameed	<b>Dr. Tanveer Ahmad</b> Associate Professor of Radiology Allama Iqbal Medical College/Jinnah Hospital, Lahore	Diagnostic accuracy of tirads grading by ultrasonography taking Bethesda classification of thyroid cytopathology as gold standard
3.	Dr. Ghulam Shabbir		Role of diffusion tensor imaging (DTI) in pre-operative evaluation and characterization of intra-Axial brain tumor
4.	Dr. Mariam Hameed	<b>Dr. Amna Malik</b> Consultant Radiologist Punjab Institute of Cardiology, Lahore	Diagnostic accuracy of color doppler ultrasound and computed tomographic angiography for detection of peripheral arterial disease
5.	Dr. Rizwana Kausar	<b>Dr. Faisal Nadeem Khan</b> Assistant Professor of Radiology Punjab Institute of Cardiology, Lahore	Diagnostic accuracy of renal ultrasound in assessment of renal artery stenosis in hypertensive patients taking computed tomography renal angiography as gold standard
6.	Dr. Anam Zaheer (Revised)		Diagnostic accuracy of contrast- enhanced flair MRI in diagnosis of meningitis taking lumbar puncture (L.P) as gold standard
7.	Dr. Khadija Nusrat	<b>Dr. Nazish Hameed</b> Assistant Professor of Radiology Sargodha Medical College/DHQ Teaching Hospital, Sargodha	Diagnostic accuracy of routine MRI sequence in diagnosis acute venous sinus thrombosis, taking contrast enhanced magnetic resonance venography (MRV) as gold standard
8.	Dr. Maria Rehman		Diagnostic accuracy of FAST- Scan in detecting abdominal visceral injury keeping contrast enhanced CT-Scan as gold standard

9.	Dr. Asra Atta Ul Haq		Diagnostic accuracy of MRI in diagnosis of adenomyosis taking histopathology as gold standard
10.	Dr. Amina Abbas	Dr. Rana Zaheer Mustafa Associate Professor of Radiology Sheikh Zayed Medical College/Sheikh Zayed Hospital, Rahim Yar Khan	Diagnostic accuracy of uterine artery doppler in second trimester (18-24 weeks) impending preeclampsia
11.	Dr. Nadia Qaiser	Prof. Mustansar Mahmood Waraich Head, Department of Radiology Quaid-e-Azam Medical College/Bahawal Victoria Hospital, Bahawalpur	Diagnostic accuracy of multidetector CT scan in staging renal cell carcinoma taking histopathology as gold standard
12.	Dr. Hasan Raza Khan	Dr. Muhammad Saleem Akhtar Assistant Professor of Radiology Sahiwal Medical College/DHQ Teaching Hospital, Sahiwal	Correlation of sonographic renal features with serum creatinine level in patients with chronic kidney disease