

## **PAKISTAN JOURNAL OF RADIOLOGY (PJR) EDITORIAL BOARD**

### **PATRON AND EDITOR EMERITUS**

**Dr Syed Mahmood**

MBBS, MD, FRCR (UK)

### **EDITOR IN CHIEF**

**Dr Sadaf Nasir**

MBBS, FCPS

Dept of Radiology, LNH, Karachi

### **EDITOR**

**Maseeh uz Zaman**

MBBS, MS, FCPS, DABNC, FEBNM, FASNC, FRCP (Ed)

Professor, Dept of Radiology,

Aga Khan University Hospital, Karachi, Pakistan

### **ASSOCIATE EDITORS**

**M Nadeem Ahmad**

MBBS, MCPS, FCPS

Chair and Professor, Dept of Radiology,

Aga Khan University Hospital, Karachi, Pakistan

**Zafar Sajjad**

MBBS, MRCP, FRCR (UK)

Professor, Dept of Radiology,

Cleveland Clinic, Abu Dhabi, UAE

**Saba Sohail**

MBBS, MCPS, FCPS (Radiology)

Professor, Dept of Radiology,

Ruth Pfau (Civil Hospital) Hospital, Karachi

**Dr Waseem Akhtar Mirza**

MBBS, DCPE, FCPS

Dept of Radiology, DUHS, Karachi

## **MANAGING EDITOR**

### **Dr Mukhtiar Ahmed**

MBBS, MCPS  
Dept of Radiology,  
Dr Ruth Pfau Hospital,  
Karachi, Pakistan

## **EDITORIAL BOARD**

### **Ahmad Nadeem Abbasi (Pak)**

MBBS, FCPS, FRCR  
Associate Professor, Dept of Radiation Oncology,  
Aga Khan University Hospital, Karachi, Pakistan

### **Ayesha Isani Majeed (Pak)**

MBBS, MCPS, FCPS, FRCR, PhD  
Associate Professor, Dept of Radiology  
Pakistan Institute of Medical Sciences (PIMS),  
Islamabad

### **David Ng Chee Eng (Singapore)**

MBBS, MRCP, FAMS, MS, FRCP (Ed)  
Professor, Dept of Radiology,  
Singapore General Hospital, Singapore

### **Garge Shailesh Kumar S (India)**

MBBS, MD, DNBR, FRCR  
Asst. Professor, Dept of Radiology,  
Christian Medical College, Vellore, India

### **Imad Ur Rehman (Pak)**

MBBS, MCPS, FCPS  
Consultant Radiologist,  
Dept of Radiology,  
Shifa International Hospital, Islamabad, Pakistan

### **Imrana Masroor (Pak)**

MBBS, MCPS, FCPS, FRCR  
Associate Professor, Dept of Radiology,  
Aga Khan University Hospital, Karachi, Pakistan

### **Irfan Dossani (USA)**

MBBS, FAMS, DPH

Former Faculty at Rochester Gen Hospital  
NY, United States

**John Buscombe (UK)**

MBBS, MSc, MD, FRCP, FRCPEd, FRCR, FEBNM

Consultant Physician in Nuclear Medicine  
Addenbrooke's Hospital, Cambridge, UK,

**Jan Pruijm (Netherland & Austria)**

European Association of Nuclear Medicine  
Vienna, Austria

**Mohammad Ali (Pak)**

MBBS, MCPS, FCPS  
Chief Radiologist, Dept of Radiology,  
Dr Ziauddin University, Karachi, Pakistan

**Mark Haigh Khachaturian (USA)**

BSE, MSE, PhD  
Vice President R & D,  
ABT Molecular Imaging Inc, USA

**M Azeemuddin (Pak)**

MBBS, MCPS, FCPS, FRCR  
Professor, Dept of Radiology,  
Aga Khan University Hospital, Karachi, Pakistan

**Nihaal Reddy (India)**

MD, Fellow Diag Rad  
Consultant Radiologist,  
Hyderabad, India

**Nosheen Fatima (Pak)**

MBBS, MS, FCPS, FEBNM, FRCP (Ed)  
Asst., Professor, Dept of Radiology,  
Aga Khan University Hospital, Karachi, Pakistan

**Rahat Shahid (Pak)**

MBBS, FCPS  
Consultant, Dept of Radiology,  
PNS Hafeez, , Islamabad, Pakistan

**Rizwan Syed (United Kingdom)**

MBBS, MS, FEBNM, FRCR  
Consultant Dept of Radio diagnosis,  
Princess Grace Hospital, London, United Kingdom

**Shaista Afzal (Pak)**

MBBS, MCPS, FCPS  
Associate Professor, Dept of Radiology,  
Aga Khan University Hospital, Karachi, Pakistan

**Tariq Mehmood (Pak)**

MBBS, MCPS, FCPS  
Professor, Dept of Radiology,  
JPMC, Karachi, Pakistan

**Tehrim Raza (United Kingdom)**

MBBS, MRCS, FCPS  
Consultant Radiologist,  
London, United Kingdom

**Vaqar Bari**

Associate professor  
MBBS, MCPS, DCPE, FCPS  
Associate Professor, Dept of Radiology,  
Aga Khan University Hospital, Karachi, Pakistan

**Yasir Jamil Khattak (Pak)**

MBBS, FCPR, EDir  
Consultant, Dept of Radiology,  
North-West General Hospital, Peshawar, Pakistan

**Zafar Nasir (Pak)**

MBBS, MS, FCPS, FRCR  
Consultant Radiologist,  
Northern Ireland, UK

**EDITORIAL COMMITTEE**

Akhtar Ahmed (Pak)

**ADVISORY BOARD**

Ashar Achakzai (Pak)

Irfan ul Haq (Pak)  
Kashif Shazlee Pak  
Kiran Hilal (Pak)  
Shumaila Urooj (Pak)  
Naila Nadeem (Pak)  
Tanveer ul Haq (Pak)  
Zainab Hussain (Pak)

Abid Qureshi (Pak)  
Hamid Akram (Pak)  
Humera Ahsan (USA)  
Khawaja Khurshid (Pak)  
Naseem Begum (Pak)  
Nasir Jaffar (Canada)  
Nawaz Anjum (Pak)  
Shamrez Brig (Pak)  
S. H. Manzoor Zaidi (Pak)  
Sameh Marcos (UK)  
Tan Bien Soo (Singapore)

### **WEB ADMINISTRATOR**

M. Kashif Mirza  
[mailmirza@yahoo.com](mailto:mailmirza@yahoo.com)

Recognized by Pakistan Medical and Dental Council (PMDC - Registration No. IP/0058).  
Recognized by Higher Education Commission (HEC), Pakistan.  
Indexed in Indexed Medicus of Eastern Mediterranean Region (IMEMR) of World Health Organization (WHO)  
Listed with Eurasia and EBSCO, USA  
Indexed in PakMediNet

Published quarterly by Radiological Society of Pakistan (RSP), URL: <http://www.pakjr.com>  
PJR Office : Department of Radiology, Jinnah Postgraduate Medical Centre (JPMC),  
Rafique Shaheed Road, Karachi, Pakistan  
Tel : +92 (21) 34249202  
Cell: +92 (306) 2727913 E-mail: [maseeh.uzzaman@aku.edu](mailto:maseeh.uzzaman@aku.edu)  
Designed and Published by : LEO Process

**Editorial Board of Pakistan Journal of Radiology**

S. No	Name	Title	Address	Phone/Fax	Email
	Syed Mehmood	Patron and Editor Emeritus	Karachi X-ray and Diagnostic, Karachi, Pakistan		-----
1	Waseem Akhtar Mirza	Editor In-Chief	AKUH-Karachi	34865606	<a href="mailto:waseem.mirza@aku.edu">waseem.mirza@aku.edu</a>
2	Maseeh uz Zaman	Editor	Professor, Dept of Radiology, AKUH, Karachi	34862058; 03332266901	<a href="mailto:maseeh.uzzaman@aku.edu">maseeh.uzzaman@aku.edu</a> ; <a href="mailto:editor.pjr@gmail.com">editor.pjr@gmail.com</a>
3	M Nadeem Ahmad	Associate Editor	Professor & Chair Radiology, AKUH, Karachi	34862020	<a href="mailto:nadeem.ahmad@aku.edu">nadeem.ahmad@aku.edu</a>
4	Zafar Sajjad	Professor	Professor, Dept of Radiology, Cleveland Clinic, Abu Dhabi, UAE	-	<a href="mailto:zafar.sajjad@aku.edu">zafar.sajjad@aku.edu</a>
5	Mukhtiar Memon	Managing Editor	Dept of Radiology, DUHS, Karachi	0300-9298484	<a href="mailto:mukhtarrad@yahoo.com">mukhtarrad@yahoo.com</a>
6	Tariq Mehmood	Member Editorial Board	Professor & Chair Radiology, JPMC, Karachi	0300-8239781	<a href="mailto:tariqradiologist@gmail.com">tariqradiologist@gmail.com</a>
7	Saba Sohail	Member Editorial Board	Professor, Radiology, CHK, Karachi		<a href="mailto:drsabasohail@hotmail.com">drsabasohail@hotmail.com</a>
8	Ahmad Murtaza	Member Editorial Board	Radiology Chief, SKMCH, Lahore	3004331964	<a href="mailto:amurtaza@skm.org.pk">amurtaza@skm.org.pk</a>
8	Naila Nadeem	Member Editorial Board	Assistant Professor, Radiology	34862014	<a href="mailto:naila.nadeem@aku.edu">naila.nadeem@aku.edu</a>

			AKUH, Karachi		
9	Zafar Nasir	Member Editl Board	Consultant Radiologist, N. Ireland, UK	0300- 9233022	<a href="mailto:drzafarnasir@gmail.com">drzafarnasir@gmail.com</a>
10	Javed Mehboob	Member Editl Board	Radiology Head, KIRAN, Karachi	033322442 94	<a href="mailto:jmehboob69@yahoo.com">jmehboob69@yahoo.com</a>
11	Mohamm ad Ali	Member Editl Board	Radiology Head, Ziauddin Clifton Campus, Karachi	033323898 48	<a href="mailto:drali.radiology@gmail.com">drali.radiology@gmail.com</a>
12	Anwar Ahmed	Member Editl Board	Clinical lecturer, Dept of Radiology, AKUH, Karachi	0321- 37655432	<a href="mailto:Anwar.ahmad@aku.edu">Anwar.ahmad@aku.edu</a>
13	S M Faiq	Member Editl Board	Head Radiology, SIUT, Karachi	030123940 29	<a href="mailto:sfaiq69@hotmail.com">sfaiq69@hotmail.com</a>
14	Nosheen Fatima	Member Editl Board	Assistant Professor, Dept of Radiology, Aga Khan University Hospital, Karachi	0333- 3765452	<a href="mailto:Nosheen.fatima@aku.edu">Nosheen.fatima@aku.edu</a>
15	Imaad Ur Rehman	Member Editl Board	Dept of Radiology, Shifa Int, Islamabad	032156724 59	<a href="mailto:imaadur@gmail.com">imaadur@gmail.com</a>
16	Vaqar Bari	Member Editl Board	Dept of Radiology, AKU, Karachi	34862020	<a href="mailto:vaqar.bari@aku.edu">vaqar.bari@aku.edu</a>
17	John Buscombe	Member Editl Board	Consultant Physician in Nuclear Medicine Addenbrook e's Hospital, Cambridge, UK		<a href="mailto:john.buscombe@addenbrookes.nhs.uk">john.buscombe@addenbrookes.nhs.uk</a>

18	Ayesha Issani Majeed	Member Editl Board	Associate Prof Dep of Radiology, PIMS, Islamabad		<a href="mailto:ayeshamajeed_1@hotmail.com">ayeshamajeed_1@hotmail.com</a>
19	Jan Pruijm	Member Editl Board	European Association of Nuclear Medicine Vienna, Austria		<a href="mailto:jan.pruim@ziggo.nl">jan.pruim@ziggo.nl</a> < <a href="mailto:jan.pruim@ziggo.nl">mailto:jan.pruim@ziggo.nl</a> >
20	Muhammad Nafees	Managing Editor	Advanced Radiology Clinic, Karachi	03009298484	<a href="mailto:nafeesrad@hotmail.com">nafeesrad@hotmail.com</a>