



THE AGA KHAN UNIVERSITY

CURRICULUM VITAE

Muhammad Azeemuddin

Nationality: Pakistan

Work Address: Department Of Radiology,
Aga Khan University,
Stadium Road,
Karachi.
Pakistan

EDUCATION/CERTIFICATION:

FCPS (Diagnostic Radiology) College of Physicians and Surgeons Pakistan.	1997
MCPS (Diagnostic Radiology) College of Physicians and Surgeons Pakistan.	1994
M.B.B.S. Dow Medical College, University of Karachi, Pakistan.	1989

SCHOLARLY INTERESTS

- Loco-regional Management of HCC.
- Endovascular management of GI bleeds.
- Hepato-Biliary Interventions

TRAINING

VISITING INTERNATIONAL FELLOWSHIP IN DIAGNOSTIC NEURORADIOLOGY

Massachusetts General Hospital,
Boston, MA, USA
Jun 01st, 2013 - Jun 30th 2013

VISITING INTERNATIONAL FELLOWSHIP IN VASCULAR & INTERVENTIONAL RADIOLOGY

Massachusetts General Hospital,
Boston, MA, USA
July 01st, 2013 - July 30th 2013

TRAINING IN NEURO- INTERVENTIONAL RADIOLOGY (NIR)

Fondation Ophthalmologique Adolphe De Rothschild,
Paris, France
Jan 18th 2006 – March 19th 2006

FULL TIME FELLOWSHIP IN VASCULAR & INTERVENTIONAL RADIOLOGY (VIR)

Singapore General Hospital,
Singapore
Aug 29th, 2001 - Feb 28th 2002

FULL TIME RADIOLOGY RESIDENCY

Department of Radiology & Imaging
Liaquat National Hospital, Karachi
Jan 1st 1992 – Dec 30th 1995

TRAINEE REGISTRAR

Orthopedic Unit II
Civil Hospital Karachi
July 1st 1991- Dec 31st 1991

TRAINEE REGISTRAR

Medical Unit V
Civil Hospital Karachi
Jan 1st 1991- June 30th 1991

HOUSE OFFICER

Departments of Surgery Unit 2
Civil Hospital Karachi

Jan 1st 1990- Jun 30th 1990

HOUSE OFFICER

Departments of Medical Unit 4
Civil Hospital Karachi
Jul 01st 1990 - Dec 31st 1990

POSITIONS HELD

Professor, Radiology

Aga Khan University,
Stadium Road.
Karachi.
Pakistan.
July 1st 2018 to date

Associate Professor, Radiology

Aga Khan University,
Stadium Road.
Karachi.
Pakistan.
Jan 1st 2008 to Jun 30th 2018

Section Head Vascular & Interventional Radiology

Department of Radiology,
Aga Khan University,
Stadium Road
Karachi. Pakistan
2015 to date

Section Head MRI

Department of Radiology,
Aga Khan University,
Stadium Road
Karachi. Pakistan
Oct 2009 to 2014

Assistant Professor Radiology

Department of Radiology
Aga Khan University Hospital
Stadium Road
Karachi. Pakistan
Sept 19th 2002 - Dec 31st 2007

Assistant Professor Radiology

Department of Radiology & Imaging

Liaquat National Hospital, Karachi
June 1st 1997 - Sept 15th 2002

Specialist Registrar
Department of Radiology & Imaging
Liaquat National Hospital, Karachi
Jan 1st 1996 - May 30th 1997

DISTINCTIONS

(For Education, Research or Service)

1. Founding member (2014) and Current President of Interventional Radiology Society of Pakistan (IRSP 2019-20). Elected as Vice President (2014), finance secretary in January 2017 and elected as Elect for 2019-20 in January 2018.

2. Invited guest faculty in Multiple International Scientific Meetings :
 - a. Sing Live / Asia PCR held in Singapore consecutively since 2007 till 2010.
 - b. WIRES 2015 held in Singapore. Participated in Singapore LIVE Conference as an Invited Guest Faculty
 - c. Participated as an International Faculty in the XXth Symposium Radiologicum Neuroradiology; 2014, Istanbul, Turkey.
 - d. 12th Scientific Meeting of Chinese Society of Interventional Radiology (CSIR2015) June 2015 at Dalian, China
 - e. Invited guest faculty at the 12th APCCVIR held from April 21st to 24th 2016 at Suzhou, China
 - f. Delivered an invited talk on “Management of HCC: Pakistani Perspective” in the session titled “Pan Arab Interventional Radiology Society (PAIRS) meet Pakistan IR” during PAIRS 2017 held from 15th to 18th March 2017 at Dubai, UAE
 - g. Invited talk in the Thai Society of Interventional Radiology meeting TSVIR 2017; IR in solid viscera and vascular trauma – Experience from Pakistan – 4th Nov 2017 – Thailand
 - h. Invited Guest faculty at the 13th Annual APSCVIR Meeting in Auckland from the 8 - 11 March 2018: Invited talk entitled: Empiric transcatheter arterial embolization for massive or recurrent gastrointestinal bleeding: 10-year experience from a single tertiary care center,

- i. Invited Guest faculty at the 13th Annual APSCVIR Meeting in Auckland from the 8 - 11 March 2018: Invited talk entitled: IR in solid organ trauma; experience from Pakistan.
 - j. Invited Guest faculty at the 8th Liver Summit at , Turkey from the 30th Aug- 1st Sept 2018: Invited talk entitled: Great Hepatobiliary Radiology Cases and Discussion.
 - k. Invited Guest faculty at the 14th Annual APSCVIR Meeting in Bali, Indonesia from the 21-24 Feb 2019: Invited talk entitled: BAE, Experience from a single center in Pakistan.
3. It was due to continuous involvement as a faculty in South East Asia and good standing & rapport that I was able to get Pakistan the status of a full member of the Asia Pacific Society of Cardiovascular and Interventional Radiology (APSCVIR) in 2014.
 4. Since 2014 I have the honor to be the National Delegate and Member of the Central Executive Council for Asia Pacific Society of Cardiovascular and Interventional Society (APSCVIR).
 5. President of Karachi Chapter of a Professional Organization of Pakistani doctors - PIMA Karachi for the year 2013 – 2015 & 2019-20
 6. Best Senior Faculty Award for the year 2004 from the Department of Radiology, Aga Khan University Hospital, Karachi
 7. Visiting Faculty of the Dow University of Health Sciences Karachi with effect from 17th March 2009.
 8. Examiner of Radiology, College Of Physicians & Surgeons, Pakistan since 2008.
 9. Subject specialist for inspection of Radiology Department for accreditation of Radiology Residency Program for FCPS on behalf of the College of Physicians and Surgeons Pakistan

DISTINCTIONS

(For Teaching and Training)

CAPACITY BUILDING & PROMOTION OF INTERVENTIONAL RADIOLOGY:

1. Beside contribution in this regard within AKU (which will be described in subsequent section below) I was one of the pioneers who established VIR section at the Liaquat National Hospital and started many new procedures beside routine diagnostic angiographies. Some of these include:

- Vascular Stentings
- IVC filter placement
- Endovascular management of GI bleeds
- TACE for HCC
- Biliary drainages and stenting

LEADING ROLE IN CONFERENCES / CONVENTIONS / WORKSHOPS:

1. Current President of the Interventional Radiology Society of Pakistan for the year 2019-20.
2. Chief Organizer of the 5th Seminar in Radiology during 17th Health Asia: Imaging of the Luminal GI system; Procedures and the clinical Caveats, September 26th 2019, Karachi
3. Secretary of KarachiCon'18, two day Scientific Convention of PIMA Karachi, 20-21st Oct 2018, Karachi
4. Organizer of the 4th Seminar in Radiology during 15th Health Asia 2018; Central Nervous System Disorders: Imaging & Interventions held on 12th September 2018, Karachi
5. Elected as the Vice President of the Interventional Radiology Society of Pakistan for the year 2018 and President Elect for 2019-20 during IRSP 2018 at Islamabad.
6. Elected as the Finance secretary of the Interventional Radiology Society of Pakistan for the year 2017-2018 during IRSP 2017 at Karachi
7. Appointed for the second time as the Executive Committee Member of the Asia Pacific Society of CardioVascular and Interventional Society (APSCVIR) for the year 2017-19 during EC meeting at Singapore, May 2017.
8. Chair of the radiology session. 15th Biennial PIMA Sindh Convention, Held on 23rd March 2017 in ISRA University Hospital, Hyderabad
9. Moderator and Organizer of the 3rd Seminar in Radiology during 13th Health Asia 2017 : Pediatric Radiology , August 23rd 2017, Karachi
10. Chairman Finance Committee; 33rd Annual Radiological Conference by RSP, October 25-26th Karachi
11. Chairman Organizing Committee and Chairman Finance Committee of 3rd ASM of IRSP- 2018, January 6-7th 2018 Islamabad
12. Chairman Organising Committee and Chairman Scientific Committee for the 2nd Annual Scientific Meeting of Interventional Radiology Society of Pakistan: 14th and 15th Jan 2017 at Hotel Movenpick Karachi

13. Chairperson of the scientific session of Interventional Radiology at the 32nd Annual Radiology Conference organised by Radiology Society of Pakistan held from 23rd to 25th Dec 2016 at Hotel PC, Peshawar
14. Chief Organiser of the 2nd Annual Seminar on Radiology – “Imaging in Oncology” at the 12th Health Asia on 21st Sept 2016 at Expo Centre Karachi.
15. Moderator of the session of “GI Intervention” during the 12th APCCVIR held from 21st to 24th April 2016 at Suzhou China.
16. Chairperson of the scientific session of “ Diagnostic Radiology” on 23rd Jan 2016 during the 3rd Biennial Conference of Indus Hospital at Hotel Marriot Karachi.
17. Chairman Organizing Committee of 1st Annual Scientific Meeting of Interventional Radiology Society of Pakistan held from 10th – 11th October 2015 at Lahore.
18. Chief Organiser of the 1st Seminar on Radiology at the 11th Health Asia on 10th Sept 2015 at Expo Centre Karachi.
19. Chairman Organizing Committee of the 14 Biennial PIMA Sindh Convention organized in collaboration with Dow University of Health Sciences, 22nd March 2015, Hotel PC Karachi.
20. Chaired a hands-on workshop on non-vascular interventional radiology at Memon Medical Institute, Karachi. 29th Mar 2014.
21. Chairman of the Venue Committee of the 22nd Biennial International Convention held in Expo Centre Karachi from March 3rd & 4th, 2012
22. Co-Chair of a Pre-Symposium workshop on VIR organized at Liaquat National Hospital at 7th Liaquat National Hospital & Medical College Symposium 23rd February, 2012, Karachi.

TEACHING EXPERIENCE

Teaching Activities at Liaquat National Hospital, Karachi:

During my residency training and even after obtaining my fellowship, I have been actively involved in the teaching and training of residents and radiographers. My responsibilities during my residency included conducting classes of radiographers on basic Radiological Anatomy and Physics. After my fellowship, I was actively involved with the training program of the residents at my department and was responsible for teaching residents in the third and fourth years of their training,

especially in the divisions of computed tomography and magnetic resonance imaging. All the residents rotating through the division of angiography were also under my supervision and assisted me in all the procedures. My schedule included weekly classes for the residents apart from the routine hands-on training during the daily reporting sessions.

I was also actively involved with the final training and facilitation of postgraduate students of SIUT and Army Medical Core (Radiologists). These trainees were rotated through our department for hands-on training in the divisions of computed tomography and magnetic resonance imaging and angiography. My responsibilities included organizing their attachments & conducting tutorials. I also guided them the use of teaching files & reference library. Similarly postgraduate students from different disciplines of the same hospital were also rotated through the radiology department & my tasks were similar in their case. These disciplines included Gynecology & Obstetrics, General Medicine & Ophthalmology.

Throughout, my residency and after my post-graduation, been involved in the journal clubs and regular teaching and film viewing sessions as well as interdepartmental meetings which included fortnightly surgical-radiological meetings, monthly combined neurology/neurosurgery and radiology meetings, monthly combined radiology and medicine meetings & monthly combined radiology-oncology meetings. Involved in advising residents in selection of dissertation topics and guidance was provided on dissertation writing.

Other responsibilities included building and maintaining the departmental radiology library for ready reference of the residents and consultants alike.

Teaching Activities at AKUH

I am involved in teaching both undergraduate as well as postgraduate students of the Aga Khan University. My teaching assignments include:

Residents: Both formal as well as informal teaching and supervision of the residents both in radiology as well as other disciplines.

- Monthly written test involvement in two tests per year.
- Supervision of OSCE and VIVA-VOCE
- Monthly film viewing session
- Supervision of journal club
- Supervision of case presentation
- Preparatory classes for IM and FCPS examination for residents
- In-house workshops for both faculty and residents.

Medical Students: Both didactic teaching in the form of lectures in a large class format as well as more informal case discussions and film viewing sessions.

- Regular classes and PSIL for Phase I students
- Regular classes of Phase-III students on various topics.
- Regular sessions for trainee radiographers

Director Radiology Residency Program (2008- 2011):

I served as the director of radiology residency program of AKU from 2008 to 2011. The Radiology department of the Aga Khan University Hospital runs the biggest Residency Program of the country. This was an extensive five (now four) year program leading to fellowship (FCPS) in diagnostic radiology from the college of Physicians and Surgeons Pakistan. As a director, I managed the entire program, including its planning, implementation and managing all day to day issues.

Diagnostic Neuroimaging Fellowship Program (2011-2014):

Involved in the Diagnostic Neuroimaging Fellowship program since its inception; first as a member and then as the Director of the Program from 2011 to 2014. My main contribution in this regard has been its organization, teaching and training of Neuroimaging fellow.

Vascular & Interventional Radiology Fellowship Program:

As part of the VIR Team, I have been actively involved in initiating the fellowship program at AKU. My main contribution in this regard has been to structure and develop the fellowship manual / curriculum as well as training and teaching the fellows.

Radiology Multi-disciplinary meetings: As a faculty member, in addition to journal club, teaching sessions, film viewing sessions and interesting case conferences at the department of Radiology, I have been attending following meetings at the Aga Khan University Hospital off and on:

- Monthly Vascular Surgery Meetings.
- Endocrinology Meetings
- Weekly GIT Audit
- Monthly M&M meeting

OTHER EDUCATIONAL / ACADEMIC ACTIVITIES:

Teaching besides my institutional commitments at entities such as Sindh Institute of Urology and Transplantation (SIUT), the College Of Physicians and Surgeons and the Radiology Society of Pakistan have become a significant part of my educational experience. My involvement in conducting Continuous Medical Education sessions arranged by several professional organisations/ institutions in the country such as Pakistan Chest Society, Pakistan Gastroenterology Society, Pakistan Society for the Study of Liver Diseases, PIMA and Indus Hospital has increased over time.

Involvement at CPSP:

- Supervisor for FCPS & MCPS training
- Invigilator for FCPS, MCPS and DCPS exams on several occasion
- Theory assessor for MCPS, DCPS and FCPS exams
- Examiner for Viva examinations for the above exams since almost a decade
- Instructor for mock courses for FCPS / MCPS examinations at CPSP on several occasions

- Technical expert on behalf of CPSP for accreditation of a radiology department for FCPS training
- Contributor to CPSP MCQ and SEQ bank

Voluntary Academic / Teaching Activities

- Volunteer for AKU Student Mentorship program till 2013
- Voluntary Services at SIUT: On my off days from AKUH, I used to go to Sindh Institute of Urology and Transplantation (SIUT) Angiography Section as per need basis to supervise difficult VIR cases and to provide hands-on training opportunities to radiologists of SIUT. The aim is to provide technical help in the management of poor and needy patients at SIUT.

EDUCATIONAL AWARDS AND ACHIEVEMENTS:

1. Teaching evaluations for postgraduate sessions: Average 3.6 (Max score 4)
2. Teaching evaluations for under graduate sessions: Average 3.4 (max score 4)
3. Best Senior Faculty Award for the year 2004 from the Department of Radiology, Aga Khan University Hospital, Karachi
4. Faculty Development Awards 2005 and 2013, Aga Khan University Hospital, Karachi

Workshops:

1. Organized and conducted the First Simulation Workshop on Mentice on "Advance IR Techniques". Held on 25th March 2017 at CIME, AKUH, Karachi
2. Organized and conducted the First IR Simulation workshop for Radiology Residents and fellows on Mentice , 4th March 2017, CIME, AKUH, Karachi
3. Organized and conducted a workshop ; " INTERPRETATION OF MRI FOR COMMON SPINAL CONDITIONS": Department of Radiology and Anesthesia on February 17, 2017 at Radiology Department, AKU, Karachi

4. Organized a workshop on Interpretation of Neuro - MRI with special reference to Pain Management” at the Radiology Department, AKUH on 19th Jun 2015, Karachi
5. Organized a Multidisciplinary Interactive Seminar on the role of Interventional Radiology in GI and Hepatobiliary Disease. This was in collaboration with GI, Surgery & CPD departments of AKUH. Venue: AKU Auditorium. This was followed by a hands-on workshop in Radiology Department. 15th Feb 2014.
6. Organized a workshop on “MRI Interpretation for Spinal problems” for participants of Pain Management Symposium”, arranged by the department of Anesthesia AKUH. Venue Radiology Classroom – AKUH on 11th Feb 2014.
7. Facilitated a workshop on “Radiation Protection for Healthcare Professionals” held at the department of Radiology, AKUH: 26th September 2013, Karachi
8. Organized and facilitated a Live Workshop on Update on Peripheral Endovascular Intervention : 7th July 2011, AKUH, Karachi
9. Organized and facilitated a workshop on Peri-procedural management of patients undergoing intervention! What do I need to know? 11th June 2011, AKUH, Karachi
10. Organized and facilitated a workshop on Intra-operative Neuro-sonography at Preconference workshop in 5th Bi Annual National Conference on Neurosurgical Trauma : 3rd March 2011, AKUH, Karachi
11. Facilitated a workshop on “Radiation Protection for Healthcare Professionals” held at the department of Radiology, AKUH on 28th December 2010.
12. Organized the 2nd live workshop on “Vascular & Interventional Radiology” at Aga Khan University Hospital, Karachi in collaboration with Singapore General Hospital during the 26th Annual Radiological Conference 2010 on 28th October 2010.
13. Facilitated a workshop on “Radiation Protection for Healthcare Professionals” held at the department of Radiology, AKUH on 26th October 2010.
14. Facilitated workshop on “Radiological Interpretation for Back Pain” at the 9th Annual Pain Symposium 2009, Department of Anesthesia at AKUH on 3rd October 2009.
15. Facilitated a workshop on “Radiation Protection for Healthcare Professionals” held at the department of Radiology, AKUH on 13th February 2009.
16. Invited talk on “Current Imaging Modalities” at a workshop on “Radiation Protection for Health Care Professionals” held on 19th April 2008. AKUH, Karachi

17. Conducted a workshop on Pain management and MRI Interpretation in patients with chronic back pain. 7th Pain management symposium held on 6th September 2007. AKUH, Karachi

Committee:

1. Member Organising Committee of 22nd National Health Science Research Symposium, Aga Khan University scheduled for 15th – 17th November 2019 , Karachi.
2. Faculty of 14th Annual APSCVIR Meeting in Bali, Indonesia from 21-24th February 2019.
3. Faculty of 13th Annual APSCVIR Meeting in Auckland from the 8 - 11 March 2018.
4. Chairman Organizing Committee and Chairman Finance Committee of 3rd ASM of IRSP- 2018, January 6-7th 2018 Islamabad
5. Chairman Finance Committee; 33rd Annual Radiological Conference by RSP, October 25-26th Karachi
6. Moderator and Organizer of the 3rd Seminar in Radiology during 13th Health Asia 2017, August 23rd 2017, Karachi
7. Chair of the radiology session. 15th Biennial PIMA Sindh Convention, Held on 23rd March 2017 in ISRA University Hospital, Hyderabad
8. Chairman Organizing Committee and Chairman Scientific Committee 2nd ASM of IRSP held on 14th and 15th Jan 2017 at Hotel Movenpick Karachi
9. Faculty of 12th APCCVIR and Moderator of the session of “GI Intervention” during the 12th APCCVIR held from 21st to 24th April 2016 at Suzhou China.
10. Chairperson of the scientific session of “ Diagnostic Radiology” on 23rd Jan 2016 during the 3rd Biennial Conference of Indus Hospital at Hotel Marriot Karachi.
11. Chairman Organizing Committee of 1st Annual Scientific Meeting of Interventional Radiology Society of Pakistan held from 10th – 11th October 2015 at Lahore.
12. Chairman Organizing Committee of the 14 Biennial PIMA Sindh Convention organized in collaboration with Dow University of Health Sciences, 22nd March 2015, Hotel PC, Karachi
13. Member of a Focused Group of PSSLD to develop Consensus Recommendation on Prevention and Management of Hepatocellular

Carcinoma in Pakistan”. Last meeting held on 7th and 8th March 2015 at Movenpick Hotel, Karachi.

14. Chaired a hands-on workshop on non-vascular interventional radiology at Memon Medical Institute, Karachi. 29th Mar 2014.
15. Chairman of the Venue Committee of the 22nd Biennial International Convention held in Expo Centre Karachi from March 3rd & 4th, 2012.
16. Co-Chair of a Pre-Symposium workshop on VIR organized at Liaquat National Hospital at 7th Liaquat National Hospital & Medical College Symposium 23rd February, 2012, Karachi.

Workshops:

1. Attended Masterclass in cTACE, May 11th 2017, Subang Jaya, Malaysia
2. Organized and conducted a workshop ; “ INTERPRETATION OF MRI FOR COMMON SPINAL CONDITIONS”: Department of Radiology and Anesthesia on February 17, 2017 at Radiology Department, AKU, Karachi
3. Organized and conducted the First IR Simulation workshop for Radiology Residents and fellows on Mentice , 4th March, CIME, AKUH, Karachi.
4. Organized and conducted the First Simulation Workshop on Mentice on “Advance IR Techniques”. Held on 25th March at CIME, AKUH, Karachi
5. Attended an “Advanced Interventional Workshop” held at 1st Annual Scientific Meeting of the Interventional Radiology Society of Pakistan, 10th October 2015, Shaukat Khanum Memorial Hospital, Lahore
6. Attended a “Basic Interventional Workshop” held at 1st Annual Scientific Meeting of the Interventional Radiology Society of Pakistan, 10th October 2015, Hotel Faletti’s, Lahore
7. Attended a workshop on the “Role of Interventional Radiology in prevention of lower limb amputation” held at the Indus Hospital on 18th April 2015, Karachi
8. Organized and attended a workshop on “Interpretation of Radiology in Common Clinical Scenarios”- the 14 Biennial PIMA Sindh Convention organized in collaboration with Dow University of Health Sciences, 22nd March 2015, Hotel PC, Karachi
9. Invited Talk as a Guest Faculty on the “Role of IVC Filters” at Workshop in Interventional Radiology Education Singapore (WIRES 2015), 17th to 18th January 2015, Singapore

10. Organized a “Career Guidance Seminar for young Medical Graduates” at AKU Auditorium in collaboration with PIMA. 2nd Apr 2014.
11. Chaired a hands-on workshop on non-vascular interventional radiology at Memon Medical Institute, Karachi. 29th Mar 2014.
12. Conducted a hands on workshop of Vascular Interventions (First Basic VIR Course) at Fatima Memorial Hospital, Lahore .17th -18th August, 2013, Lahore
13. Conducted a hands on workshop of Non-Vascular Interventions at Dow University of Health Sciences; 02nd December 2012, Karachi
14. Conducted a Pre- Symposium workshop on Hemodialysis access organized by Nephrology Section of LNH at 7th Liaquat National Hospital & Medical College Symposium 23rd February, 2012, Karachi
15. Participated in a Pre- Symposium workshop on VIR organized at Liaquat National Hospital and was invited as a co-Chair at 7th Liaquat National Hospital & Medical College Symposium 23rd February, 2012, Karachi
16. Facilitated a Workshop during Seminar on Hepatobiliary Imaging and Live Workshop on Image Guided Intervention. 30th April 2011, SIUT, Karachi
17. Facilitated a Workshop on the “Vascular Access for Hemodialysis” at the 6th Liaquat National Hospital Symposium on 11th November 2009.
18. Organized a workshop on “Vascular & Interventional Radiology” at Aga Khan University Hospital, Karachi during the 10th International Radiological Conference 2009 on 6th November 2009.
19. Facilitated a workshop on “Radiology in Chest” at Arag Auditorium in Dow University of Health Sciences, Karachi on 20th February 2009.
20. Workshop on Coronary CTA. 20-21 Jan 2007, Singapore.
21. Conducted a workshop titled “International workshop on Interventional Uroradiology” as Faculty at Sindh Institute of Urology and Transplantation 18-20th December, 2006, SIUT, Karachi
22. Vertebroplasty Hands-on- Workshop. 8th September, 2006, Rome, Italy
23. Workshop on “Supervisory Skills” organized by the WHO collaborating centre for Research & Training in Educational Development of Health Personnel in association with the College of Physicians & Surgeons Pakistan. 20-23rd June, 2006, Karachi
24. Renal Intervention Course a Workshop. 12-13th Nov, 2005, KL, Malaysia
25. Attended a workshop on “Performance Based Assessment” organized by the

WHO collaborating center for Research & Training in Educational Development of Health Personnel in association with the College of Physicians & Surgeons Pakistan. 11th & 12th May, 2005, Karachi.

26. Attended a workshop on “Written Assessment Techniques” organized by the WHO collaborating center for Research & Training in Educational development of Health Personnel in association with the College of Physicians & Surgeons Pakistan. 24th & 25th May, 2004, Karachi.
27. Attended a workshop on “Educational Planning & Evaluation” organized by the WHO collaborating centre for Research & Training in Educational Development of Health Personnel in association with the College of Physicians & Surgeons Pakistan. 18th to 20th August, 2003, Karachi
28. Organized a workshop on “Interventional Radiology” conducted by Dr. Roger Davies at LNPMC in collaboration with Radiological Society of Pakistan. 22 & 23rd July, 2000, Karachi.
29. Organized a workshop on “Transcatheter Arterial Embolization of Hepatoma using Lipiodol” conducted by Dr. Naobumi Yashiro at 3rd LNPMC Symposium. 27th January 2000, Karachi.
30. Attended an Ultrasound Workshop at the 3rd International Radiology Conference in association with the Royal College of Surgeons, UK. 15th to 16th December, 1995, Rawalpindi.

DEVELOPMENT OF NATIONAL GUIDELINES:

1. Member of a Focused Group of PSSLD to develop Consensus Recommendation on Prevention and Management of Hepatocellular Carcinoma in Pakistan”. Last meeting held on 7th and 8th March 2015 at Movenpick Hotel, Karachi.
2. Member of the resource group that is trying to develop national guidelines for the diagnoses and management of interstitial lung disease in Pakistan. A national ILD registry has been initiated in collaboration of Pakistan Chest Society and ILD Pak. Initial data has been presented in international meetings and has been mentioned under the heading of International Posters. Initial report has also been published: <http://www.pakistanchestociety.pk/interstitial-lung-disease-ild-pak-reposrt-201015/>

OTHERS:

- Served as a Member Technical Committee for Selection of Radiology equipment (CT / MRI / US / X-rays) for City District Government of Karachi for a Diagnostic centre and Abbasi Shaheed Hospital.
- President PIMA Karachi 2014-2015 & 2019-20:

- This is one of the largest Organization of Doctors in Pakistan and its main objectives are providing Medical Relief, CME and Promotion of medical ethics. It provides medical relief during disasters as well as in peace. It also regularly organises CMEs on small and large scale.
- Member Board of Directors POB Trust Eye Hospital Karachi
 - Prevention of Blindness Trust is a sub-society of PIMA and a registered trust and has tremendous contributions both nationally and globally. During my presidential tenure of PIMA an Eye Hospital was established in Karachi which is currently providing free of cost services with an average daily patient turnover of 125-150.
- Vice President Medical Committee Al-Khidmat Medical Society Karachi.
 - This nationwide registered NGO and the Medical Committee design and look after various medical projects.
- Member Board of Trustees Seha Welfare Organization Karachi
 - This is a registered NGO with the vision of providing Quality primary health care and arranging the basic necessities of life for the neediest. It runs multiple primary care clinics and my responsibility includes looking after its operations in Karachi.

PUBLICATIONS (AS PRINCIPAL or CO-INVESTIGATOR)

Peer reviewed - research papers;

International:

(As per Google Scholar Total Citations so far are 615. Article # 26 has been cited 211 times)

1. Azeemuddin M, Alvi A, Sayani R et al. Neuroimaging Findings in Tuberculosis: A Single - Center Experience in 559 Cases. Journal of NeuroImaging. May 2019. <https://doi.org/10.1111/jon.12627>
2. Azeemuddin M, Awais M, Sayani R et al. Empiric Transcatheter Arterial Embolization for Massive or Recurrent Gastrointestinal Bleeding: Ten-year Experience from a Single Tertiary Care Center. Cureus. 2019 Mar; 11(3): e4228. Published online 2019 Mar 11. doi: 10.7759/cureus.4228
3. Azeemuddin M, Awais M, Mubarak F et al. Prevalence of subarachnoid haemorrhage among patients with cranial venous sinus thrombosis in the presence and absence of venous infarcts. The Neuroradiology Journal. Volume: 31 issue: 5, page(s): 496-503. Article first published online: June 12, 2018; Issue published: October 1, 2018

4. Azeemuddin M, Waheed A A, Alvi M, et al. (May 08, 2018) Interobserver Agreement on Focused Assessment with Sonography for Trauma in Blunt Abdominal Injury. *Cureus* 10(5): e2592. doi:10.7759/cureus.2592
5. Azeemuddin M, Turab N, Chaudhry M H, et al. (February 26, 2018) Percutaneous Management of Biliary Enteric Anastomotic Strictures: An Institutional Review. *Cureus* 10(2): e2228. doi:10.7759/cureus.2228
6. Mubarak F, Azeemuddin M, Anwar SSM, Nizamani WM and Beg M. In-hospital Imaging Prevalence, Patterns of Neurological Involvement in Cerebral Venous Sinus Thrombosis: Analysis from Pakistan. *Journal of Advances in Medicine and Medical Research*. 25(4): 1-9, 2018; Article no. JAMMR.38540
7. Azeemuddin M, Sayani R, Turab N, et al. (February 15, 2018). Institutional Review of Hemorrhagic Pelvic Emergencies Effectively Managed with Percutaneous Arterial Embolization. *Cureus* 10(2): e2194. doi:10.7759/cureus.2194
8. Azeemuddin M, Waheed A A, Khan N, et al. (March 09, 2018) Fibrolipomatous Hamartoma of the Median Nerve with Macrodystrophia Lipomatosa. *Cureus* 10(3): e2293. doi:10.7759/cureus.2293
9. Nawaz A, Azeemuddin M, Shahid J. Pituitary stalk interruption syndrome presenting in a euthyroid adult with short stature. *Radiology Case Reports*. <https://doi.org/10.1016/j.radcr.2017.12.002>. (In press)
10. Azeemuddin M, Chaudhry MBH, Shahid J, Belal SZ. Non-ionic iodinated contrast-induced sialadenitis with parotid gland sparing in patient of hepatocellular carcinoma. *BMJ Case Rep*. 2018 Jan 23;2018. pii: bcr-2017-222761. doi: 10.1136/bcr-2017-222761.
11. Abdullah UH, Baig MZ, Azeemuddin M, Wasay M, Yakoob J and Beg MA. Case Report: Amoebic brain abscess associated with renal cell carcinoma. *Neurology and Clinical Neuroscience* (2017) 1–3. doi:10.1111/ncn3.12162
12. Chaudhry MBH, Azeemuddin M, Khan MR, Parkash O. BMJ Case Report. A large choledochocystolithiasis mimicking Mirizzi syndrome. *BMJ Case Rep*. 2017 Jun 24;2017. pii: bcr-2017-219582. doi: 10.1136/bcr-2017-219582
13. Arooj S, Azeemuddin & M, Raouf A. AJNR Classic Case; Amyotrophic Lateral Sclerosis. Printed online in American Journal of Neuroradiology. <http://www.ajnr.org/site/imgquiz/06232014qz.xhtm>. June 23, 2014
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(CITED 211 times)
27. Azeemuddin M, Haq TU, Ahsan H & Memon W. Clinics in diagnostic imaging. Hydatid disease involving liver & lung. Singapore Medical Journal 2005; 46(2):3

National:

Indexed:

1. Azeemuddin M, Khan S, Hussain AS, Ahmed A et al. Challenges in diagnosis of disease reported 100 years back: Cushing Syndrome; recent advances. J Pak Med Assoc, 2019 Jun;69(6):899-901
2. Azeemuddin M, Nizamani WM, Tariq MU, Wasay M. Role of ADC values and ratios of MRI scans in differentiating typical from atypical / Anaplastic Meningiomas. Journal of Pakistan Medical Association, 68(9), 1403-1406.
3. Masroor I, Rashid S, Afzal S, Sufian SN and Azeemuddin M (Corresponding Author). Diagnostic Accuracy of Pelvic MRI for Determination of the Cervical Involvement in Endometrial Cancer. Journal of the College of Physicians and Surgeons Pakistan 2018, Vol. 28 (4): 00. 3145/OA/17 Proof/28/4 (Accepted)
4. Azeemuddin M, Usman M, Nizamani W: 'Role of ADC values and ratios of MRI scan in differentiating typical from atypical/anaplastic meningiomas'. (JPMA/ACCEPT/730/2017)
5. Alvi A, Azeemuddin M, Alvi A. Case Report. Interrupted aortic arch, mixed aortic valve disease and intra ventricular haemorrhage in an adult. J Pak Med Assoc. Vol.68, No.2,February2018: 307-309
6. Jillani W, Sayani R; Tanveer Ul Haq, Umer M, Azeemuddin M. Varied percutaneous and endovascular management of large iatrogenic Profunda Femoris artery pseudoaneurysm. J Pak Med Assoc. 2017 Sep;67(9):1441-1443.
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12. Naqi R & Azeemuddin M. Case Series; "Naeglaeria Infection of the Central Nervous System, CT scan findings: a Case Series". *J Pak Med Assoc* 2013; 63(3): 399-402
13. Azeemuddin M & Naqi R. Case Series; "MRI findings in Methanol Intoxication: A report of three cases". *J Pak Med Assoc* 2012; 62(10): 1099-1101
14. Naqi R, Azeemuddin M & Beg A. Case report; "MRI Imaging of Metronidazole induced Encephalopathy". *J Pak Med Assoc* 2012; 62(8): 843-844
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16. Naqi R & Azeemuddin M. Original article; "Posterior Reversible Encephalopathy Syndrome". *J Pak Med Assoc* 2012; 62 (7); 657-660.
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18. Naqi R & Azeemuddin M. Case report; "Neurosarcoidosis". *J Pak Med Assoc* 2012; 62(3); 293-294
19. Naqi R & Azeemuddin M. Case report: "Solitary metastasis of breast carcinoma in the infundibulum". *J Pak Med Assoc* 2012; 62(2); 169-170

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21. Naqi R, Ahsan H & Azeemuddin M. Case Report; "Cerebral Nocardiosis". Journal of Pak Med Assoc 2011;61(7); 697-699.
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24. Naqi R, Ahsan H & Azeemuddin M. Case Series: Spinal Changes in patients with Ankylosing Spondylitis on MRI. J Pak Med Assoc 2010;60(10); 872-875.
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2. Qamari NA, Sayani R, Bilal A, Azeemuddin M & Rajani A. Case Report: Retrieval of lost guide wire from IVC under fluoroscopic guidance. PJR October - December 2013; 23(4): 149-151
3. Azeemuddin M, Naqi R & Wasay M. Review article; Diffusion Weighted MR Imaging of the Brain: Review of Clinical applications. Pakistan Journal of Neurological Sciences 2012; 7 (2): 17-23
4. Naqi R, Azeemuddin M, Ahsan A & Akhter W. Original Article: "Magnetic Resonance Angiography and Brain Ischemia in patients with acute stroke". PJR 2011; 21(2): 55-58.
5. Rehman IU, Haq TU, Hamid RS, Azeemuddin M, Akhter W & Kanwal D. Original Article: "Uterine Artery Embolization for the Treatment of Uterine Fibroids: Initial Experience". PJR 2011 : 21(1); 1-5.
6. Ahmed I, Rajani A, Sajjad Z, Siddiqui S, Azeemuddin M & Haq TU. Bronchial artery embolization: non bronchial arterial sources of massive hemoptysis. PJR July - September 2008; 18(3): 70-73
7. Rehman IU, Haq TU, Jooma R, Azeemuddin M & Sajjad Z. Embolization of an intracranial arteriovenous malformation followed by immediate surgical resection: a case report. Pak J Neurol Sci 2008; 3(1):9-11
8. Ali SZ, & Azeemuddin M. Persistent left superior vena cava : A Case Report. Pak J Radiol Jun 2003;14(2):23-5.
9. Azeemuddin M. Radiology Pictorial Quiz. Labrad. Jan 2003; 25 : 19

10. Ali SZ & Azeemuddin M. Space Occupying lesions of Brain: Original Article PJR July-Sept. 2002. Vol.13 (3): 22-26.
11. Saeed MA & Azeemuddin M. Role of Ultrasound in Diagnosis of Scrotal Swelling and Pain : Original Article. PJR, Vol 12 (2); (April - July 2001)
12. Ali S & Azeemuddin M. Disseminated Hydatid Disease : A Case Report. PJR, Vol 12 (1); (Jan- March 2001)
13. Bhatti AI & Azeemuddin M. White Matter Diseases: A Pictorial Essay. PJR, Vol.11 (3) (July-Sept, 2000)
14. Azeemuddin M. Transcatheter Arterial Embolization (TAE) of Hepatic Masses. Topic of Dissertation, in partial fulfillment of FCPS Part II. 1997.

SCIENTIFIC POSTERS:

INTERNATIONAL

1. Memoona P, Hasnain S, ZAHID AZAM, Nazish B, Tanveer H, Sayani R, Azeemuddin M, Hameed A : Doppler Ultrasound Hepatic Vein Waveform As a Non-Invasive Tool in the Assessment of Severity of Portal Hypertension (DPH Trial). Su1566. Gastroenterology. DOI: [https://doi.org/10.1016/S0016-5085\(19\)40260-6](https://doi.org/10.1016/S0016-5085(19)40260-6)
2. Ansarie M, Kasmani A, Naseem A, Azeemuddin M, Fatima A. Presentation Of IPF And HP In An Avian Exposed Segment Of Urban Population: Karachi Pulmonology Clinics Registry Data. Chest. 2016;149(4_S):A411-A411. doi:10.1016/j.chest.2016.02.427.
3. Ansarie M, Naseem A, Kasmani A, Ahmed R & Azeemuddin M. Profile of interstitial lung diseases in Pakistan, Karachi pulmonology clinics registry data: Jan 2012 - Aug 2013. Chest 03/2014; 145(3 Suppl): 241A. DOI: 10.1378/chest.1834174
4. Mubarak F & Azeemuddin M. Accuracy of Unenhanced Fluid Attenuation Inversion Recovery (FLAIR) sequence of MRI of Brain in detection of meningitis. An experience from a tertiary care centre in a developing country. Electronic poster no: C-0672. ECR 2013, Vienna. DOI: 10.1594/ecr2013/C-0672
5. Ansarie M, Naseem A, Ahmed R & Azeemuddin M. Profile of interstitial lung diseases in Pakistan, Karachi pulmonology clinics registry data, 2008 – 11. Poster # 711 ERS Congress 2012 - Vienna
6. Endovascular management of Hepatic Artery Pseudoaneurysm. Basit Salam, Muhammad Azeemuddin, Zafar Sajjad and Tanveer ul Haq. 9th Asian-Pacific

- Congress of Cardiovascular & Interventional Radiology. Seoul, Korea June 1-4, 2010.
7. Metallic Biliary Stenting for Malignant Lesions; Does the patient's Survival Justifies this procedure in a developing country. Rohana Naqi, Muhammad Azeemuddin, Rana Shoaib. 9th Asian-Pacific Congress of Cardiovascular & Interventional Radiology. Seoul, Korea June 1-4, 2010.
 8. Transarterial embolization in hemorrhagic urological emergencies: An Institutional review. Raza Sayani, Muhammad Azeemuddin, Tanveer ul Haq, Zafar Sajjad and Rana Shoaib. 9th Asian-Pacific Congress of Cardiovascular & Interventional Radiology. Seoul, Korea June 1-4, 2010.
 9. Dilatation of Biliary Enteric Anastomotic Strictures: Techniques, Success and Complications. Rana Shoaib Hamid, Tanveer ul Haq, Muhammad Azeemuddin, Ishtiaq Chishti. 9th Asian-Pacific Congress of Cardiovascular & Interventional Radiology. Seoul, Korea June 1-4, 2010.
 10. Poster titled "Spinal Changes in patients with Ankylosing Spondylitis on MRI". Rohana Naqi, Humera Ahsan, Muhammad Azeemuddin. Presented at the ICGP 9th Annual Meeting, by Johns Hopkins University School of Medicine. Nov 4-7, 2009. Baltimore-Maryland.
 11. "Evaluation of Pattern of Pancreaticobiliary System Pathologies on MRCP examination at a Tertiary Care Centre in Pakistan". Rohana Naqi, Muhammad Azeemuddin, Humera Ahsan. Poster presented at 2nd Asian Congress of Abdominal Radiology (ACAR) 2009 Seoul, Korea.
 12. Poster entitled "Endovascular management of cerebral AVMs: experience at Aga Khan University Hospital". Muhammad Azeemuddin, Tanveer-ul-Haq, Nadir Khan. Presented at 16th Annual Saudi Neuroscience Symposium, Riyadh KSA. Jan 21st 2008
 13. Extracranial Carotid Artery Disease in Pakistan with stroke and TIA: A prospective multi center analysis of 672 patients from Karachi, Pakistan. Presented in the annual scientific meeting of the society of neurology, USA, April 2007

NATIONAL:

1. "Does ultrasound correlates well with histopathology in diagnosis of acute cholecystitis?" Raza Sayani, NoorJehan Zeeshan, Naureen Sohail, Muhammad Azeemuddin & Waqas Abid. 8th Health sciences research assembly AKU 2013.

2. "Hepatic parenchymal and vascular angioembolization - a departmental review". Raza Sayani, Muhammad Azeemuddin, Muhammad Anwar, Tanveer UI Haq. 8th Health sciences research assembly AKU 2013.
3. "Percutaneous radiological gastrostomy using single anchor gastropexy - Is it safe, convenient and cost effective?" Raza Sayani, Basit Salam, Asif Bilal, Tanveer UI Haq & Muhammad Azeemuddin. 8th Health sciences research assembly AKU 2013.
4. "Correlation between serum Prolactin level and MRI findings in a pituitary gland". Muhammad Azeemuddin & Rohana Naqi. 6th SAARC congress of Radiology (SCR 2013) February 8th to 10th 2013
5. "Naegleria infection of the central nervous system, CT scan findings: a case series". Muhammad Azeemuddin & Rohana Naqi. 6th SAARC congress of Radiology (SCR 2013) February 8th to 10th 2013
6. "Spinal changes in patients with Ankylosing Spondylitis on MRI: a case series". Rohana Naqi, Humera Ahsan & Muhammad Azeemuddin. Poster ID; 1.19 @ 7th Health Sciences Research Assembly, December 20 & 21, 2012 , AKUH Karachi
7. "Central Nervous System involvement in Multiple Myeloma". Rohana Naqi, Muhammad Azeemuddin & Humera Ahsan. Poster ID; 10.6 @ 7th Health Sciences Research Assembly, December 20 & 21, 2012 , AKUH Karachi
8. "Magnetic Resonance Imaging of metronidazole induced encephalopathy". Rohana Naqi, Muhammad Azeemuddin & Mirza Amanullah Beg. Poster ID; 11.69 @ 7th Health Sciences Research Assembly, December 20 & 21, 2012 , AKUH Karachi
9. "MRI findings in methanol intoxication: a report of three cases". Muhammad Azeemuddin & Rohana Naqi. Poster ID; 11.76 @ 7th Health Sciences Research Assembly, December 20 & 21, 2012 , AKUH Karachi
10. A Case of Vertebral Artery Dissection presenting with ipsilateral radiculopathy. Rohana Naqi & Muhammad Azeemuddin. 49th Annual Symposium of JPMC. April 2012, JPMC, Karachi
11. Neurological Manifestations of Erdheim Chester Disease. Clinical, Radiological and Histopathological Findings. Rohana Naqi, Muhammad Azeemuddin and Nadeem Ahmad. 26th Annual Conference of Radiological Society of Pakistan. 29th-31st October 2010, Karachi, Pakistan
12. Bilateral Subcortical and Basal Ganglia calcifications in a patient with Dural Arteriovenous Fistula and arteriovenous Malformation – Case Report and Literature Review. Raza Sayani, Tanveer ul Haq, Muhammad Azeemuddin. 26th Annual Conference of Radiological Society of Pakistan. 29th-31st October 2010, Karachi, Pakistan

13. Balloon Angioplasty of Budd Chiari Webs using diverse approaches - Case Reports. Raza Sayani, Tanveer ul Haq, Muhammad Azeemuddin. 26th Annual Conference of Radiological Society of Pakistan. 29th-31st October 2010, Karachi, Pakistan
14. Spinal Changes in Ankylosing Spondylitis on MRI in Patients presenting at AKUH. Rohana Naqi, Muhammad Azeemuddin. 26th Annual Conference of Radiological Society of Pakistan. 29th-31st October 2010, Karachi, Pakistan
15. Poster titled "Outcome of Transjugular Intrahepatic Portosystemic Shunts at Aga Khan University Hospital". Rana Shoaib Hamid, Tanveer-ul-Haq, Muhammad Azeemuddin & Ishtiaq Chishti. Presented at the 10th International Radiology Conference. 7th to 9th November 2009. Karachi
16. Poster titled "endovascular treatment of femoral artery pseudoaneurysm and arteriovenous fistula by stent graft". Rana Shoaib Hamid, Tanveer-ul-Haq, Muhammad Azeemuddin & Ishtiaq Chishti. Presented at the 10th International Radiology Conference. 7th to 9th November 2009. Karachi
17. Poster titled "Diagnosis of Fungal Abscess in brain on Conventional MRI using Diffusion Weighted images and MR Spectroscopy". Rohana Naqi, Muhammad Azeemuddin, Humera Ahsan. Presented at the 10th International Radiology Conference. 7th to 9th November 2009. Karachi.
18. Poster titled "Posterior Reversible Encephalopathy Syndrome". Rohana Naqi, Muhammad Azeemuddin, Humera Ahsan. Presented at 10th International Radiology Conference. 7th to 9th November 2009. Karachi.
19. "Retrieval of Broken Intravascular Catheter Percutaneously", Poster presented at Health Science Research Assembly 2008, AKUH. Amin Rajani, Basit Salam, Muhammad Azeemuddin, Muhammad Arshad
20. "Incidental Multiple Sclerosis Like Lesions" Poster presented at Health Science Research Assembly 2008 AKUH. Muhammad Wasay, Farhan Rizvi, Muhammad Azeemuddin, Adnan Yousuf, Sten Fredrikson
21. "Hydatid Cyst of the Breast: A case report" Poster presented at Health Science Research Assembly 2008, AKUH. Imrana Masroor, Muhammad Azeemuddin, Shaista Khan, Abrar Barakzai
22. "Traumatic carotico cavernous fistula: clinical manifestation and radiological management. Poster presentation in Radiology Research Retreat 2007": Authors: Tanveer-ul-Haq, Atta.A.Bhatti, Zafar Sajjad, Muhammad Azeemuddin, S.Soulat Raza
23. "Non Bronchial arterial sources of massive haemoptysis. Poster presentation in Radiology Research Retreat 2007: Authors: Amin Rajani, Zafar Sajjad, Sheeraz Siddiqui, Ishtiaq Chishti, Basit Salam, Misbah Tahir, Akram Khan, M. Azeemuddin & Tanveer-ul-Haq

24. "Initial experience of brain aneurysm coiling at AKUH. Poster presentation in Radiology Research Retreat 2007": Authors: Tanveer-Ul-Haq, M. Azeemuddin, Ishtiaq A.Chishty, Zafar Sajjad.
25. "Successful intra-arterial thrombolysis for basal artery thrombosis. Poster presentation in Radiology Research Retreat 2007: Authors: Tanveer-ul-Haq, Zafar Sajjad, M. Azeemuddin
26. "Angiographic outcome in acute non-variceal gastrointestinal bleed". Poster presentation in Radiology Research Retreat 2007: Authors: Basit Salam, Tanveer-ul-Haq, Muhammad Azeemuddin, Zafar Sajjad
27. "Endovascular embolization of central nervous system arteriovenous malformations; Initial Experience at AKUH". Poster presented at Radiology Research Retreat AKUH, 12th December, 2007, Karachi
28. Endovascular stenting for carotid artery stenosis. Results of cases done at in Aga khan University Hospital, Karachi. Presented at Health Sciences Research Assembly, April 2007.
29. "Magnetic Resonance Angiography and brain ischemia in patients with acute stroke". Rohana Naqi, Muhammad Azeemuddin, Humera Ahsan and Waseem Akhter . Poster ID; 10.16 @ 7th Health Sciences Research Assembly, December 20 & 21, 2012 , AKUH Karachi
30. Pictorial Review of Ultrasound findings in various pathologies of Eye: 8th Sheffield International Conference on Diagnostic Imaging, 13-14 Jan 2007, AKUH

Letters to Editor:

Letter to the editor; Muhammad Azeemuddin. Singapore Med J 2005; 46(8): 435

Scientific Presentations and Invited Review Lectures:

1. Invited Guest faculty at the 14th Annual APSCVIR Meeting in Bali, Indonesia from the 21-24 Feb 2019: Invited talk entitled: Extreme IR; Pardon my intervention.
2. Invited Guest faculty at the 14th Annual APSCVIR Meeting in Bali, Indonesia from the 21-24 Feb 2019: Invited talk entitled: BAE, Experience from a single center in Pakistan.

3. Invited Guest faculty at the 8th Liver Summit at , Turkey from the 30th Aug- 1st Sept 2018: Invited talk entitled: Great Hepatobiliary Radiology Cases and Discussion.
4. Invited Guest faculty at the 13th Annual APSCVIR Meeting in Auckland from the 8 - 11 March 2018: Invited talk entitled: Empiric transcatheter arterial embolization for massive or recurrent gastrointestinal bleeding: 10-year experience from a single tertiary care center,
5. Invited Guest faculty at the 13th Annual APSCVIR Meeting in Auckland from the 8 - 11 March 2018: Invited talk entitled: IR in solid organ trauma; experience from Pakistan.
6. Invited talk & Panelist; “ Role of Interventional Radiology in the management of Hemoptysis; Local Experience” at Strategic TB Eradication Project “STEP 2018” held at PC Bhurban from 4th to 6th May 2018.
7. Invited talk; “Radiological Investigations for Liver Disease” during the PSSLD Certificate course organized on 27th March 2018 at CIME, AKU Karachi. Course was conducted Live online at 5 cities.
8. Invited talk: Empiric transcatheter arterial embolization for massive or recurrent gastrointestinal bleeding: 10-year experience from a single tertiary care center at the 13th Annual APSCVIR Meeting in Auckland - 9th March 2018.
9. Invited talk: IR in solid organ trauma; experience from Pakistan at the 13th Annual APSCVIR Meeting in Auckland from the -10th March 2018.
10. Interventional management of Traumatic hemorrhage. 3rd Annual Scientific Meeting of Interventional Radiology Society of Pakistan 7th Jan 2018 Islamabad.
11. Invited Talk: Introduction to Imaging through Ionizing Radiation & Radiation doses to patients during Radiological Exams; Radiation protection for Healthcare Professionals, AKUH, December 21st, 2017
12. Role of IR in Epistaxis; Local Experience. 27th National Conference of Otolaryngology Head & Neck Surgery. 10th Dec 2017, Karachi-Pakistan.
13. Invited talk in the Thai Society of Interventional Radiology meeting TSVIR 2017; IR in solid viscera and vascular trauma – Experience from Pakistan 4th Nov 2017 – Thailand

14. Invited Talk in the session: PAIRS meet Pakistani IR Society; "Management of HCC; Pakistan Perspective". On 17th March 2017 during PAIRS 2017 held at Dubai, UAE
15. Radiological Intervention for Difficult Hepatobiliary Problems; 33rd PSG Annual Congress. 9-11th March 2017, Karachi
16. Invited talk: "Introduction to Medical Imaging and Radiation Doses" at Radiation Protection For Healthcare Professionals a collaborative project of Department of Radiology and Department of Continuing Professional Education Aga Khan University & Pakistan Nuclear Regulatory Authority (PNRA). It was held on 15th Feb 2017 at the Radiology Department AKU Karachi
17. Invited talk on "Radiological Investigations in Liver Disease" in the PSSLD Certificate Course in Liver Disease organized by PSSLD in collaboration with ICHEP and AKU on 11th Jan 2017 at CIME , AKU, Karachi
18. Invited talk on "Radiological Management of HCC; What is available to us?" at the 10th Annual Meeting of PSSLD held in collaboration with Chinese Society of Hepatology on 9th to 11th Dec, 2016 at Hotel Movenpick Karachi.
19. Invited talk on " Spine Behind the Imaging Mirror" at the CME Seminar on Advances in Physiotherapy for Pain Management in Spinal Conditions on 29th Nov 2016 at AKU, Karachi
20. Invited Talk on " IR; what should a physician know?" at Karachi Con 2016 organized by PIMA on 26th and 27th Nov 2016, at Hotel PC, Karachi
21. Invited Talk on "Role of Interventional Radiology in Oncology" at the 2nd Annual Seminar on Radiology held at the 12th Health Asia, International Exhibition and Conferences. 20th – 22nd Sep 2016, Expo Centre, Karachi
22. Panel discussion on the role of IR in PPH during CME on Obstetric Anesthesia held on Aug 21st 2016 at AKUH, Karachi
23. Invited Talk on "Empirical GDA Embolization for Upper GI Bleed; Experience from Tertiary Care Hospital in a Developing Country" at the 12th APCCVIR held at Suzhou China on 22nd April 2016.
24. Invited Talk on "Radiological Management of Liver Cancer" at Pak-China Medcong organized by PMA in collaboration with Chinese Medical Association on 8th Jan 2016 at Hotel Marriot, Karachi
25. Invited Talk on "Biliary Interventions – Basics & Beyond" at the 3rd VIC course held at Hotel PC on 12th Dec 2015.

26. Invited Talk on “Role of Radiology in the management of HCC “at the SIUT International Symposium, 10th Dec 2015, Karachi
27. Invited Talk on “Introduction to Imaging through Ionizing Radiation & Radiation doses to patients during Radiological exams” at the Radiation Protection Course for Healthcare Professionals” a collaborative project of the Department of Radiology and Department of Continuing Professional Education and the Pakistan Nuclear Regulatory Authority (PNRA) held on 10th Dec 2015 at AKUH, Karachi
28. Invited Talk on “HCC – which Imaging system to follow? at 1st Annual Scientific Meeting of the Interventional Radiology Society of Pakistan, 10th – 11th October 2015, Hotel Faletti’s, Lahore
29. Invited Talk on “Interventional Radiology from Primary to Tertiary Care” at the Seminar on Radiology held at the 11th Health Asia, International Exhibition and Conferences. 8-10th Sep 2015, Expo Centre, Karachi
30. Invited Talk as a Guest Faculty on the “Endovascular management of Budd Chiari Syndrome – Local experience at AKUH” at the 12th Scientific Meeting of Chinese Society of Interventional Radiology (CSIR2015) held from 11th – 14th Jun 2015 at Dalian, China
31. Invited Talk on the “Role of Interventional Radiology in prevention of lower limb amputation” in a workshop held at the Indus Hospital on 18th April 2015, Karachi
32. Invited Talk on “Loco-regional Therapies for HCC” at 18th National Health Sciences Research Symposium – Cancer: Promoting Comprehensive Care” held on 25-26th Feb 2015 at Aga Khan University, Karachi
33. Invited Talk on “Radiological Management of HCC” at the 30th Annual Radiology Conference organized by the Radiological Society of Pakistan. 21st-22nd Feb 2015, Lahore
34. Invited Talk as a Guest Faculty on the “Role of IVC Filters” at Workshop in Interventional Radiology Education Singapore (WIRES 2015), 17th to 18th January 2015, Singapore
35. Invited talk as a Guest Faculty at WIRES 2015, organized by the College of Radiologist Singapore and the Singapore Radiological Society, 16th to 17th Jan 2015, Singapore.
36. Invited talk: Hepatobiliary Intervention; Prerequisites for intervention, biliary anatomy and PTC techniques at the 2nd VIC Course held on 15th-16th Nov 2014, Islamabad.
37. Invited talk: Interventional Oncology; Treatment Options – Ablation Technique at the 2nd VIC Course held on 15th-16th Nov 2014, Islamabad.

38. Invited talk; "MRI Interpretation of Knee" at the Clinical meeting of the Orthopedic Society at LNPMC. 28th Oct 2014, Karachi
39. Attended XXth Symposium Radiologicum Neuroradiology as an International Faculty; 8-12th Sep 2014, Istanbul, Turkey.
40. Invited speaker at the Joint Meeting of Clinical Neurology, Psychiatry, Neurosurgery and Neuro-Radiology. 14th Jun 2014; AKUH, Karachi
41. Invited talk on: "Endovascular treatment options for Infrainguinal arterial occlusive disease" @ the 9th Annual Conference of the Pakistan Society of Cardiovascular and Thoracic Surgeons. 30-31st March, 2013 at AKUH, Karachi
42. Invited talk in Surgery Session of Golden Jubilee Celebrations of CPSP. Topic; Role of VIR in Hepato-biliary Surgical Indications and Complications. 17th November 2012, CPSP, Karachi
43. Invited talks in Mastery of Surgery Series; Hepatopancreaticobiliary Techniques arranged by City Tumour Board in collaboration with CPSP in relation to Golden Jubilee Celebrations. Topics were: 1. rescuing the injured liver 2. Augmenting the liver - Portal Vein Embolization 3. Volumetric assessment of Hepatic Reserve. 23rd June 2012, Indus Hospital, Karachi
44. An invited talk on "Radiological Management of Hemoptysis" in the 10th Annual Conference of the Pakistan Chest Society (Chestcon 2012), 26th Feb 2012, Hotel Sheraton, Karachi
45. As an invited subject expert in panel discussion on Nephrology / Radiology Topics specially Current state of Renal artery Stenting at 7th Liaquat National Hospital & Medical College Symposium 25th February, 2012
46. Presented a case in "My worst nightmare: complication session" at Asia PCR Singapore LIVE as an Invited Guest Faculty 14th January 2012, Singapore
47. Invited talk on "Radiology of Gastrointestinal Tumors" at the 27th Annual Scientific Congress of the Pakistan Society of Gastroenterology and GI Endoscopy: 19th- 22nd March 2011, Rawalpindi, Pakistan
48. Invited talk on the "Radiology of Acute abdomen" in a CME on the Role of radiology in Common Clinical Issues at Darul Sehat hospital, Karachi on 5th March 2011
49. Invited talk on "Radiology in Pancreatic Pathologies" at the 6th National Symposium of Liaquat University of Medical and Health Sciences, Jamshoro, Pakistan on 26th Sep 2010.

50. Invited talk on "Role of Radiology in Pancreatic Disorders" at the 26th International Annual congress of Pakistan Society of Gastroenterologist & G I. Endoscopy. Bhurban- Pakistan on 29th May 2010.
51. Scientific paper on "Frequency and outcome of carotid atheromatous disease in patients with stroke in Pakistan". 3rd Annual Research Retreat of Radiology AKUH on 14th December 2009.
52. Invited Lecture on the "Interventional Radiology: The present and future" at the 6th Liaquat National Hospital Symposium on 12th November 2009.
53. Lecture on the "Role of MRI in interpretation of Backache" in the Workshop on "Radiological Interpretation of Backache" during the 9th Annual Pain Symposium & Workshop held at the AKUH, Karachi on 3rd October 2009.
54. Lecture on "The Role of Interventional Radiology in Chest Disease" in the "Workshop on Radiology in Chest" held at the Dow University of Health Sciences on 20th February 2009.
55. Lecture on "The Introduction to Radiological Imaging" in the "Workshop on Radiation Protection for Healthcare Professional" held at AKUH on 13th February 2009.
56. Invited lecture on "Emerging Issues of Radiation Protection in Advanced Radiology Practice". 15th National Radiological Conference, 14th Oct 2008, Karachi
57. Presented a case of Complication in the session: My Worst Nightmare at 17th Singapore LIVE as a Guest Faculty. March 7th 2008, Singapore
58. "Management of Traumatic Caroto-Cavernous Fistula: Role of Interventional Radiology". 6th Hamdard Symposium. December 16th 2007, Karachi
59. "Endovascular Stenting for Carotid Artery Stenosis: Results of local experience at Aga Khan University Hospital, Karachi". December 12th 2007. AKUH, Karachi
60. "Traumatic CCF: Management by VIR". 9th International Radiological Conference. 7th to 9th December 2007, Peshawar.
61. "Embolization of CNS arteriovenous malformation: A single centre experience". 9th International Radiological Conference. 7th to 9th December 2007, Peshawar.
62. "Role of Radiologists in the diagnosis and Treatment of HCC ". Invited Lecture in the Annual Scientific Meeting of the Pakistan Society for the Study of Liver Diseases, Dec1, 2007 at Hotel PC, Karachi.

63. "Uterine Artery Embolization: An alternative to Surgery in Symptomatic Uterine Fibroids". 2nd Annual Symposium of Dow University of Health Sciences. 29th December 2005, Karachi, Pakistan
64. "Role of uterine artery embolization in the management of symptomatic uterine fibroids; a local experience". 5th Hamdard University Symposium. 17th December 2005, Karachi, Pakistan
65. "Management of Gastrointestinal Hemorrhage by arterial embolization" at the 42nd Annual Symposium of Jinnah Post Graduate Medical Centre Karachi. 27th to 29th December, 2004, Karachi, Pakistan
66. "Retrospective analysis of Neurointerventional Radiological procedures done at the Aga Khan University Hospital, Karachi" at the 13th National Radiological conference Organized by the Radiological Society of Pakistan 20th-22nd June, 2004, Bhorban, Pakistan
67. "Transcatheter Embolization of Acute Non-Variceal Gastrointestinal Hemorrhage: Experience at Aga Khan University Hospital, Karachi" at the 13th Annual Scientific Meeting of the Singapore Radiological Society, Singapore. 21st – 22nd February, 2004, Singapore
68. "Role of Percutaneous transhepatic Biliary Stenting in the management of Malignant Biliary Obstruction" at the 7th International Radiological Conference organized by the Radiological Society of Pakistan 13th-14th December 2003, Dubai
69. "Role of Transarterial Chemoembolization (TACE) in the management of Hepatocellular Carcinoma" at The 3rd National Symposium on Portal Hypertension and liver disease at Aga Khan University Hospital 3rd September 2003, Karachi
70. "Percutaneous Biliary Intervention" at 12th National Radiological Conference 15th Sept 2002, Quetta
71. "Role of Interventional Radiology in the evaluation and maintenance of failing Hemodialysis Fistulas & Grafts" at 4th Symposium of Liaquat National Postgraduate Medical Centre. 14th March 2002, Karachi
72. "Role of Fluoroscopic Transcervical Fallopian Tube Recanalization in the management of female infertility" at 4th Symposium of Liaquat National Postgraduate Medical Centre. 14th March 2002, Karachi
73. "Role of Vascular Stents in Interventional Radiology" at 4th Symposium of Liaquat National Postgraduate Medical Centre. 14th March 2002, Karachi
74. "Central Venous Access" at 4th Symposium of Liaquat National Postgraduate Medical Centre. 14th March 2002, Karachi

75. "Transjugular Liver Biopsy" at 4th Symposium of Liaquat National Postgraduate Medical Centre. 14th March 2002, Karachi
76. "Results of Fluoroscopic Transcervical Fallopian Tube Recanalization in the management of female infertility" at the 11th Annual Scientific Meeting of the Singapore Radiological Society, Singapore. 3rd Feb. 2002, Singapore.
77. "Therapeutic embolization procedures" at the 3rd Radiology Seminar organized by the Radiological Society of Pakistan. 3rd Sept. 2000, Hyderabad.
78. "Virtual Endoscopy" at the 38th Annual Symposium of Jinnah Postgraduate Medical Centre. 7th to 9th March 2000, Karachi
79. "MRI of Spinal Tumors" at the 2nd Radiology Seminar at the CPSP. 30th May 1999, Karachi.
80. "Role of MRA in the Diagnosis of Intracranial Vascular Pathologies" at the 4th International Radiological Conference. 5th to 9th November 1997, Lahore.
81. "Intracranial Magnetic Resonance Angiography" at the 2nd LNH symposium. 3rd to 4th September 1997, Karachi.
82. "Role of MRCP in Hepato-Biliary Disease" at the National Radiological Conference. 6th to 8th November 1996, Lahore.
83. "Diagnosis of Fungal Infections in Brain on CT and MRI" at the 3rd International Conference with the Royal College of Radiologists of UK. 17th to 20th December 1995, Rawalpindi.
84. "Results of Chemoembolization in the Management of Hepatic Masses" at the 3rd International Conference with the Royal College of Radiologists of UK. 17th to 20th December 1995, Rawalpindi.
85. "Chemoembolization of Hepatic Masses" at the 1st LNH Symposium. 25th to 26th October 1995, Karachi.

Others:

Non-Peer Reviewed/Public Awareness and Education/Technical Publications

1. Public awareness radio program on FM-100 on "Advantages of 3T MRI". 4th Feb 2014.
2. TV interview on "Raah TV" arranged by the Pakistan Society of Neurology on "Radiological Investigations for Workup of Stroke". 17th Jan 2014.

3. SSC Program on Neurology and Neurosurgery at AKU Auditorium: Presentation Topic: Radiology in Stroke; from Diagnosis to Therapy. 2nd June 2007. AKU, Karachi

EDITORIAL APPOINTMENTS:

Member Editorial Board, Pakistan Journal of Radiology, Karachi, Pakistan

Peer reviewer for the following journals on volunteer basis:

- Journal of Neuroimaging (USA)
- Journal of College of Physicians and Surgeons of Pakistan
- Journal of the Pakistan Medical Association
- International Journal of Surgery
- Pakistan Journal of Surgery
- Pakistan Journal of Radiology
- BMJ Case Reports

GRANTS

- Principal Investigator of a research Project Titled: “Role of dynamic 4D 640 slice CT digital subtraction angiography in evaluation of intracranial vascular abnormalities”. URC Project ID: 134009RAD dated 15 May 2014. This was approved by University Research Council, Aga Khan University Hospital Karachi. Unfortunately the study had to be stopped due to technical limitations.

GRANT FOR PAIN MANAGEMENT:

- This grant issued by Pfizer’s International office of Independent Grants for Learning & Change (IGLC) amounting to USD30000.00. The title was ‘All About Pain’ and it was provided to me under the auspices of Pakistan Islamic Medical Association. I was the PI and the chief organiser & guarantor of the content of this activity. This Knowledge Gap grant was an unconditional educational grant for the provision of continuous medical education for the general practitioners in Pakistan. It was focused on educational strategies specially designed to close gaps in knowledge and improve competence in certain clinical areas, as identified through needs assessment and other data that would support this type of strategy. This was a competitive grant provided to me based on his submission of an educational proposal that met the requirements of the proposed closure of the identified knowledge gap. In this instance the focus was different types of pain and their management. All the immediate objectives for this grant have been accomplished and the impact report has been submitted.

GRANT FOR CARDIOMETABOLIC DISORDERS:

- This grant was also issued by Pfizer’s International office of Independent Grants for Learning & Change (IGLC) amounting to USD30000.00. The title of this grant was ‘Healthy Heart’ and it was provided to me under the auspices of Pakistan Islamic Medical Association. I was the PI and the chief organiser

& guarantor of the content of this activity. This Knowledge Gap grant was an unconditional educational grant for the provision of continuous medical education for the general practitioners in Pakistan. It was focused on educational strategies specially designed to close gaps in knowledge and improve competence in certain clinical areas, as identified through needs assessment and other data that would support this type of strategy. This was a competitive grant provided to me based on his submission of an educational proposal that met the requirements of the proposed closure of the identified knowledge gap. In this instance the focus was different types of cardio-metabolic diseases. All the immediate objectives for this grant have been accomplished and the impact report has been submitted.

GRADUATE STUDENTS SUPERVISED

For Fellowship of the College of Physicians and Surgeons In Radiology:

Name: Dr Atif Nawaz

Years of Supervision: 2015-2018

Topic: Frequency of Pneumothorax & Pulmonary Hemorrhage in Percutaneous CT Guided Lung.

Name: Dr Muhammad Ismail Alvi

Years of Supervision: 2015-2018

Topic: Inter-observer agreement on hip ultrasound for evaluation of developmental dysplasia of hip among residents and faculty in a tertiary care hospital.

Name: Dr Mustafa Belal

Years of Supervision: 2014-2017

Topic: Inter-observer agreement in detecting intracranial aneurysms on 640 slice multi-detector computed tomography angiography

Name: Dr Adeel Ahmed

Years Of Supervision: 2013-2016

Topic: Inter-observer agreement on focused assessment with sonography for trauma in blunt abdominal trauma.

Name: Dr Aziekah Ben Fiaz

Years of Supervision: 2010-2014

Topic: Diagnostic accuracy of sentinel node mapping in patients of primary breast cancer.

Name: Dr Tariq Alam

Years of Supervision: 2009-2013

Topic: Differentiation of Thyroid Nodules on Ultrasound with Correlation to FNAC.

Name: Dr Ayesha Walid

Years of Supervision: 2009-2013

Topic: Diagnostic Evaluation of Fat Echoes in Ultrasound diagnosis of Acute Appendicitis.

Neuroradiology Fellows:

Name: Dr. Naureen Farhan Ahmed

Year of Supervision: 2015

Name: Dr. Quratulain Hadi

Year of Supervision: 2014

Name: Dr. Shumaila Arooj

Year of Supervision: 2013

Name: Dr. Mirza Amanullah Beg

Year of Supervision: 2012

Name: Dr. Muhammad Shahbaz Alam

Year of Supervision: 2011