

CURRICULUM VITAE

Professor Imran Syed

BSc (Hons), MBBS, MRCP, FRCR, FRCP (Lond), FRCP (Edin)

Consultant Interventional Radiologist

Clinical Lead for Radiology, Basildon University Hospital (BTUH)

Clinical Lead for Imaging Research, BTUH

Regional Network Lead for Imaging Research, Mid and South Essex NHS Trust

National Lead for Vascular & Interventional Radiology e-Learning, Royal

College of Radiologists

Visiting Professor

Tamgha-e-Imtiaz (Presidential Medal of Excellence)

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CV updated: 29 July 2026

1. ACADEMIC AND PROFESSIONAL PROFILE

Consultant Interventional Radiologist with more than two decades of experience spanning clinical practice, academic medicine, interventional radiology, research, postgraduate education, service transformation and international academic collaboration.

I have developed a career combining **frontline clinical leadership with academic scholarship, medical education and health-service transformation**. My work has focused particularly on developing sustainable models of interventional radiology, advancing imaging research, creating educational platforms for the next generation of radiologists, and establishing international academic collaborations.

I currently hold senior clinical, academic and strategic leadership responsibilities within the NHS and internationally. These include leadership of radiology and imaging research at Basildon University Hospital, regional imaging research leadership across Mid and South Essex, national leadership for Vascular and Interventional Radiology e-learning through the Royal College of Radiologists, and Visiting Professorships in Pakistan.

My academic contribution includes peer-reviewed publications, clinical research, multicentre trials, national and international conference presentations, educational scholarship, curriculum development and editorial leadership. I have led and

developed research and educational networks designed to widen access to radiology training and scholarship internationally.

A major component of my academic leadership has been the establishment of the **Radiology Residents Forum (RRF)**, a large international educational network supporting trainees through teaching, research, leadership development and international scholarship opportunities. The RRF attracted more than 1,700 registered participants to its 2024 global meeting and received official sponsorship from the Royal College of Radiologists.

My academic philosophy is centred on **clinically relevant research, accessible medical education, international collaboration, mentorship and the development of sustainable academic opportunities for trainees and early-career clinicians.**

2. CURRENT ACADEMIC AND CLINICAL APPOINTMENTS

NHS and Clinical Leadership

Consultant Interventional Radiologist

Basildon University Hospital, Mid and South Essex NHS Trust

Clinical Lead for Radiology

Basildon University Hospital

Clinical Lead for Imaging Research

Basildon University Hospital

Regional Network Lead for Imaging Research

Mid and South Essex NHS Trust

Regional Lead for Interventional Radiology

Mid and South Essex

National Academic and Educational Leadership

National Lead for Vascular & Interventional Radiology e-Learning

Royal College of Radiologists

Core Faculty / Educator

DKT FRCR Teaching Platform

International Academic Appointments

Visiting Professor

Ziauddin University Hospital, Karachi, Pakistan

2010–Present

Visiting Professor

Jinnah Postgraduate Medical Centre (JPMC), Karachi, Pakistan

Scientific Co-Chair

Interventional Radiology Society of Pakistan (IRSP)

Lead International Editor

National Radiology Journal of Pakistan (NJRP)

International Chair / Executive Leadership Roles

Interventional Radiology Society of Pakistan

3. ACADEMIC QUALIFICATIONS AND PROFESSIONAL DISTINCTIONS

- **BSc (Hons)** – University College London
- **MBBS** – St Bartholomew's Hospital Medical School
- **MRCP** – Royal College of Physicians, London
- **FRCR** – Royal College of Radiologists
- **FRCP** – Royal College of Physicians, London
- **FRCP (Edin)** – Royal College of Physicians of Edinburgh

Professional Distinction**Tamgha-e-Imtiaz (Medal of Excellence)**

Presidential Award, Government of Pakistan

4. PROFESSIONAL MEMBERSHIPS AND AFFILIATIONS

- Fellow, Royal College of Radiologists
- Fellow, Royal College of Physicians of London
- Fellow, Royal College of Physicians of Edinburgh
- Member, British Society of Interventional Radiology (BSIR)
- Member, Cardiovascular and Interventional Radiological Society of Europe (CIRSE)
- Member, Royal Society of Medicine (RSM)
- International Chair / Executive Council Member, Interventional Radiology Society of Pakistan
- International academic and educational collaborations with radiology and medical institutions in the UK, Pakistan and internationally

5. CLINICAL AND ACADEMIC LEADERSHIP

5.1 Clinical Leadership

As Clinical Lead for Radiology at Basildon University Hospital, I have led major developments in service configuration, workforce planning, job planning, digital reporting and multidisciplinary clinical pathways.

Key achievements include:

- Led strategic development and expansion of the radiology service.
- Developed consultant workforce and capacity planning aligned with projected clinical demand.
- Introduced structured, measurable consultant job planning incorporating SMART objectives, personal development plans and departmental performance indicators.
- Implemented a comprehensive remote reporting infrastructure, enabling consultants to undertake reporting from home.
- Developed dedicated home reporting facilities for consultants, supporting service resilience and reporting productivity.
- Introduced demand-capacity mapping to identify reporting deficits and inform workforce expansion.
- Developed financial and operational triggers for appropriate use of outsourced reporting.
- Established business continuity planning for radiology services.
- Developed skill-mix models incorporating reporting radiographers into defined areas of clinical leadership and service delivery.
- Improved communication pathways between radiology, interventional radiology and referring clinical teams.
- Developed mechanisms to improve referral quality, clinical ownership and reporting efficiency.
- Expanded the footprint and strategic contribution of radiology within the Trust in alignment with national NHS and Royal College recommendations.

6. REGIONAL INTERVENTIONAL RADIOLOGY LEADERSHIP

As Regional Lead for Interventional Radiology within Mid and South Essex, I have contributed to the strategic development and reconfiguration of regional vascular and interventional radiology services.

Key achievements include:

- Led regional Interventional Radiology strategy during vascular service reconfiguration.
- Supported expansion of the regional IR consultant workforce by approximately seven consultants.
- Developed regional pathways for Interventional Radiology and Vascular Surgery.
- Led the development of a **"Patient First"** initiative aimed at improving integration between Interventional Radiology and Vascular Surgery.
- Contributed to workforce, capacity and service planning across multiple sites.
- Supported centralisation of PTL booking across three major sites to improve turnaround times for cancer biopsies and other procedures.
- Developed strategies to improve access to interventional procedures and reduce delays in patient pathways.
- Contributed to regional service resilience and business continuity planning.

7. LEADERSHIP IN MEDICAL EDUCATION

Education is a central component of my academic career. My educational work spans undergraduate teaching, postgraduate training, FRCR preparation, Interventional Radiology education, curriculum development, mentorship and international scholarship.

Founder – Radiology Residents Forum (RRF)

Founder of the **Radiology Residents Forum**, an international educational and academic network designed to support radiology trainees and early-career doctors.

Key achievements:

- Established and developed the RRF as an international educational platform.
- More than **1,700 registered participants** attended the 2024 global meeting.
- The 2024 RRF meeting received **official sponsorship from the Royal College of Radiologists**.
- Developed trainee-led educational and research programmes.

- Established scholarship opportunities for trainees to undertake international placements.
- Developed leadership opportunities for medical students and junior doctors.
- Created a network connecting trainees with international academic and clinical centres.
- Developed initiatives to support trainees from lower-GDP countries.
- Established international opportunities including planned scholarship/fellowship links with leading institutions.

National Radiology Portfolio Scheme

Founder/developer of a national portfolio initiative designed to support medical students, FY1/FY2 doctors and prospective radiology applicants in developing evidence of academic achievement, leadership, audit, research and educational engagement.

The programme incorporates:

- Defined audit and quality-improvement projects.
- Research abstract development.
- Conference participation.
- Leadership opportunities.
- Presentation and academic writing.
- Organisation of educational meetings.
- Mentorship and portfolio development.

Interventional Radiology FY2 Programme

Created the **first dedicated Interventional Radiology FY2 post in the country**, providing a structured four-month experience within radiology with exposure to the principles of Interventional Radiology and patient-centred clinical care.

Postgraduate and FRCR Education

- National and international FRCR teaching.
- Core teaching faculty for the DKT global FRCR platform.
- FRCR preparation and interview teaching.
- Interview preparation programme for radiology applicants.
- Approximately 77 interviews conducted as part of the 2025 interview programme.

- International Uro-Radiology Masterclasses through the A-Zee radiology training programme.
- Undergraduate Interventional Radiology teaching for Anglia Ruskin University.
- Development of postgraduate Interventional Radiology modules for the University of Buckinghamshire.
- Development of clinical observership programmes in Radiology and Interventional Radiology.
- International educational programmes aimed at clinicians from economically disadvantaged healthcare systems.

8. EDUCATIONAL SCHOLARSHIP AND PEDAGOGICAL INNOVATION

My educational work has focused not only on teaching but on developing **new educational models and sustainable academic pathways**.

Areas of contribution include:

- Development of pedagogical models for postgraduate Interventional Radiology education.
- Curriculum development for postgraduate IR training.
- Development of structured trainee portfolios.
- International trainee mentorship.
- Educational leadership through the RRF.
- Development of trainee-led academic networks.
- Creation of international scholarships.
- Development of observership and fellowship pathways for clinicians from lower-GDP countries.
- Integration of research, audit, presentation and leadership within structured trainee programmes.
- Development of educational content for national and international radiology audiences.

International Scholarship Programme

Through the RRF, I have developed scholarship opportunities supporting trainees to undertake educational placements at leading international centres, including agreed schemes involving:

- Cleveland Clinic, Ohio

- Harvard University
- International Interventional Radiology training programmes

The objective is to provide trainees from diverse socioeconomic backgrounds with access to high-quality academic and clinical environments.

9. RESEARCH LEADERSHIP

Lead – Imaging Research Group, Basildon University Hospital

I established and developed the radiology research group at Basildon University Hospital, creating a structured environment for trainees, consultants and multidisciplinary colleagues to undertake research, audit and academic presentation.

The group has developed a high-output research and presentation programme, with approximately **30–50 abstracts, papers and conference presentations annually**.

Areas of research activity include:

- Interventional Radiology
- Vascular imaging
- Oncology imaging
- Emergency radiology
- CT optimisation
- MRI
- Prostate imaging
- Lung biopsy
- Vascular intervention
- COVID-19 imaging
- Quality improvement
- Structured reporting
- Imaging appropriateness
- Patient pathways

10. PRINCIPAL INVESTIGATOR AND MULTICENTRE RESEARCH

Principal Investigator

BASIL-3 Multicentre Trial

Principal Investigator at Basildon University Hospital.

COVID-19 Imaging Innovation

Co-led development of a novel CT-based COVID-19 clinical pathway designed to facilitate imaging while reducing the risk of cross-infection during patient journeys.

The pathway was subsequently adopted more widely and published in the **British Journal of Radiology**.

This work demonstrated the potential for rapid clinical innovation, multidisciplinary collaboration and translation of service-development work into peer-reviewed academic output during a national healthcare emergency.

11. EDITORIAL AND SCHOLARLY LEADERSHIP

Lead International Editor

National Radiology Journal of Pakistan (NJRJ)

Responsibilities and achievements include:

- International editorial leadership.
- Development of academic quality-assurance processes.
- Establishment of a formal academic collaboration/MOU with the Interventional Radiology Society of Pakistan.
- Development of mechanisms to improve the quality of conference abstracts and subsequent publication.
- Supporting higher-education and academic standards across participating institutions.

Textbook Editorial Work

Editor – Chapman & Nakielny's Aids to Radiological Differential Diagnosis

7th and 8th editions.

12. INTERNATIONAL ACADEMIC LEADERSHIP

My international academic work has focused on developing sustainable relationships between UK institutions and radiology and medical communities internationally.

Pakistan

- Visiting Professor, Ziauddin University Hospital, Karachi.

- Visiting Professor, Jinnah Postgraduate Medical Centre, Karachi.
- Scientific leadership within the Interventional Radiology Society of Pakistan.
- International editorial leadership within the National Radiology Journal of Pakistan.
- Development of formal academic and research collaborations.
- International keynote and invited lectures.
- Development of trainee scholarship and educational opportunities.

Sudan

- Invited academic and clinical visits to Khartoum.
- Training and educational activities for radiologists and physicians.
- Clinical Interventional Radiology work undertaken during invited visits.
- Engagement with the Sudanese medical and radiological community.

These international activities reflect a broader academic commitment to **capacity building, knowledge exchange and equitable access to specialist education.**

13. CONFERENCE AND INVITED SPEAKING

Invited and keynote speaker at national and international meetings including:

- Royal College of Radiologists
- British Institute of Radiology
- British Society of Interventional Radiology
- Interventional Radiology Society of Pakistan
- World Interventional Radiology and Endovascular Surgery meetings
- Singapore Congress of Radiology
- Radiological Society and international radiology meetings
- International educational and FRCR programmes

Areas of invited academic contribution include:

- Innovation in Interventional Radiology
- Research methodology
- Interventional Radiology education
- Vascular intervention

- Uro-Radiology
 - FRCR education
 - Clinical service transformation
 - Imaging research
 - International radiology education
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14. MANAGEMENT AND STRATEGIC LEADERSHIP

My management experience encompasses clinical service redesign, workforce development, operational planning, financial stewardship and multidisciplinary governance.

Key areas of leadership include:

Workforce Planning

- Workforce modelling aligned with the Royal College of Radiologists workforce census.
- Assessment of current and projected demand.
- Identification of capacity gaps.
- Consultant recruitment and expansion.
- Strategic use of specialty doctors and development pathways.
- Support for CESR development.

Job Planning and Performance

- Introduction of SMART-based consultant job planning.
- Alignment of job plans with individual PDPs and appraisal objectives.
- Development of measurable departmental outputs.
- Use of defined KPIs and turnaround-time targets.
- Balancing clinical service delivery with teaching, research and leadership responsibilities.

Digital Transformation

- Development of remote reporting infrastructure.
- Expansion of home reporting capability.
- Development of cross-site reporting arrangements.

- Integration of demand-capacity analysis with workforce planning.

Financial and Operational Management

- Demand-capacity mapping.
- Financial modelling for workforce requirements.
- Defined triggers for outsourcing.
- Development of business continuity plans.
- Alignment of operational objectives with measurable clinical outcomes.

Multidisciplinary Service Development

- Regional vascular and IR reconfiguration.
- Development of IR/Vascular Surgery pathways.
- Patient-centred service redesign.
- Integration of radiologists, interventional radiologists, radiographers and clinical teams.

15. QUALITY IMPROVEMENT AND CLINICAL GOVERNANCE

I have supervised, led and contributed to a large portfolio of clinical audits and quality-improvement projects covering diagnostic accuracy, imaging appropriateness, radiation safety, reporting standards, patient pathways and clinical outcomes.

Examples include:

- CT KUB radiation-dose optimisation.
- CTPA appropriateness and diagnostic yield.
- Reporting standards for right-heart strain in pulmonary embolism.
- CT reporting turnaround times.
- Lung biopsy quality and complications.
- Prostate MRI and PI-RADS implementation.
- Pulmonary nodule follow-up in accordance with British Thoracic Society guidance.
- Imaging appropriateness in emergency medicine.
- Ottawa ankle and knee rule compliance.
- Head injury imaging in accordance with NICE guidance.

- CT lens-dose reduction.
- Structured reporting.
- Ultrasound-guided biopsy quality.
- Radiology request quality.
- Imaging pathways for acute kidney injury and urinary obstruction.
- Patient satisfaction within radiology.
- Breast imaging standards.
- MRI diagnostic accuracy.
- CT coronary angiography referral appropriateness.
- Clinical communication between radiology and referring teams.

A detailed list of audits and re-audits is provided in **Appendix 1**.

16. PUBLICATIONS

I have published peer-reviewed clinical research, review articles and case-based educational material in international radiology, interventional radiology, urology and medical journals.

Selected Peer-Reviewed Publications

1. **Acute Arterial Occlusion Following ChAdOx1 nCov-19 (Oxford-AstraZeneca) Vaccination.**
Ali A, Rabouhans J, Salar T, Moghul S, Makkuni S, Browne T, Ahmed R, Syed I, Zaman A. Acute Arterial Occlusion Following ChAdOx1 nCov-19 (Oxford–AstraZeneca) Vaccination. Cardiovascular and Interventional Radiology. 2022 Mar;45(3):398-401. DOI: 10.1007/s00270-021-03053-3.
2. **COVID-19: Mobilising CT as a Frontline Management Tool.**
Syed I, Khan S, Khan T, Syed S, Khan T, Ali A, Harries K, Capuano E, Farrugia A, Pittman M, Simon G. COVID-19: mobilising CT as a frontline management tool. The British Journal of Radiology. 2020 Dec 1;93(1116):20200522. DOI: 10.1259/bjr.20200522.
3. **Challenges of Interpreting the Musculoskeletal Manifestation of Lymphoma.**
Clary D, Ali A, Syed I. Challenges of interpreting the musculoskeletal manifestation of lymphoma: A case report. Radiography. 2021 Feb 1;27(1):243-6. DOI: 10.1016/j.radi.2020.04.004.
4. **Evaluating the impact of a Point-of-Care Ultrasound (POCUS) workshop on medical trainees at a Radiology Resident Forum conference: A pre-and post-intervention study.**

El-Hayani R, Mostofa MW, Gao Y, Rafique MS, Mann S, Maqsood MA, Salcedo LM, Alimohamed K, Kaleemi R, Raquib S, Chowdhury Y, Syed I. Evaluating the impact of a Point-of-Care Ultrasound (POCUS) workshop on medical trainees at a Radiology Resident Forum conference: A pre-and post-intervention study. *Ultrasound*. 2026 Mar 9;1742271X261453601. doi.org/10.1177/1742271X26145360

5. Transitional Cell Carcinoma of the Ureteric Stump: A Systematic Review of the Literature.

Bourdoumis A, Syed I, Soosay G, Manzoor A, Barua J. Transitional cell carcinoma of the ureteric stump: a systematic review of the literature. *Urologia Internationalis*. 2013 Apr 20;91(2):170-4. DOI: 10.1159/000349884.

6. Concomitant Abdominal Aortic Aneurysm and Gastrointestinal Malignancy: Evolution of Treatment Paradigm in the Endovascular Era – Review Article.

Mohandas S, Malik HT, Syed I. Concomitant abdominal aortic aneurysm and gastrointestinal malignancy: Evolution of treatment paradigm in the endovascular era—review article. *International Journal of Surgery*. 2013 Mar 1;11(2):112-5. DOI: 10.1016/j.ijsu.2012.11.022.

7. Pneumothorax necessitans in a patient with trapped lung and rheumatoid arthritis.

Ahmed R, Ahmed U, Syed I. Pneumothorax necessitans in a patient with trapped lung and rheumatoid arthritis. *BMJ Case Reports CP*. 2013 Apr 25;2013:bcr2013009263. DOI: 10.1136/bcr-2013-009263.

8. Unusual pulmonary metastatic pattern in a case of pancreatic cancer

Shah N, Jubber A, Osman M, Syed I. Unusual pulmonary metastatic pattern in a case of pancreatic cancer. *BMJ Case Reports CP*. 2011 Aug 5;2011: bcr0620114365. DOI: 10.1136/bcr.06.2011.4365.

9. 99mTechnetium-Mercaptoacetyltriglycine Scintigraphy with Full Bladder in Patients with Severe Bladder Dysfunction.

Nagabhushan N, Syed R, Hoh IM, Syed I, Ell PJ, Shah PJ, Neild GH, Woodhouse CR, Bomanji JB. 99mTechnetium-mercaptoacetyltriglycine scintigraphy with full bladder in patients with severe bladder dysfunction. *The Journal of urology*. 2006 Oct;176(4):1481-6. DOI: 10.1016/j.juro.2006.06.029.

10. COVID-19 and Imaging Pathway Research.

Published work arising from national COVID-19 imaging pathway development.

11. Interventional Radiology and Urology in Suprapubic Catheterization: Bridging Expertise and Practice.

Syed SI, Ahmed K, Khan S, Jagic K, Rasheed N. Interventional radiology and urology in suprapubic catheterization: Bridging expertise and practice. *Nat Radiol J Pak*. 2025;1(2):64-70. DOI: 10.37184/nrjp.3007-5181.1.21.

12. **Advances in Interventional Radiology for Superior Vena Cava Obstruction: Pathophysiology, Techniques and Challenges.**
National Radiology Journal of Pakistan.
DOI: 10.37184/nrjp.3007-5181.1.18.
13. **Navigating AI in Radiology: Embracing the Future.**
National Radiology Journal of Pakistan.
DOI: 10.37184/nrjp.3007-5181.1.13.
14. **The Role of Diffusion Weighted Imaging in Prostate Cancer.**
I. Syed, H. Uwakwe, Z. Nagy.
Advances in Urology.
15. **Erratum to “Vertebral Osteomyelitis Without Disc Involvement.”**
Kamani I, Syed I, Saifuddin A, Green R, MacSweeney F. Vertebral osteomyelitis without disc involvement. *Clinical radiology.* 2004 Oct 1;59(10):881-91. DOI: 10.1016/j.crad.2004.03.023.

Eurorad Publications / Educational Cases

Selected Eurorad publications include:

- Syed SI, Kumar M, Kaleemi R, Syed I, Kumar MA. Incidental detection of a posterior inferior cerebellar artery (PICA)-terminating vertebral artery variant during CT evaluation of venous sinus thrombosis: case report. *Cureus.* 2026 May 10;18(5):e.
- Griffin J, Kaleemi R, Rasheed N, Syed I. Intracranial epidermoid cyst; Case 18579. doi:10.35100/eurorad/case.18579
- Ingar A, Jaffer F, Choudhary J, Rasheed N, Khan S, Syed I. Intracranial dermoid cyst; Case 18366. doi:10.35100/eurorad/case.18366
- Coady T, Rasheed N, Rani F, Abdalla AS, Syed I. Aggressive breast cancer mimicking sebaceous cyst in a young patient; Case 18360. doi:10.35100/eurorad/case.18360.
- Menon G, Kaleemi R, Rasheed N, Rani F, Syed I. Heterotopic pregnancy following spontaneous conception; Case 18334. doi:10.35100/eurorad/case.18334.
- Baskaran S, Rasheed N, Rani F, Syed I. The subtle art of neuronal migration – grey matter heterotopia; Case 18296. doi:10.35100/eurorad/case.18296.
- George K, Nanthakumar S, Rasheed N, Rani F, Syed I. An unusual presentation of penile fracture; Case 18230. doi:10.35100/eurorad/case.18230
- Choudhary J, Sakarwadia R, Yusuf R, Awil M, Majeed M, Ingar AH, Kalafatis L, Syed I, Moghul S, Khan S, Rasheed N. Transient corpus callosum lesion &

boomerang sign on MRI in COVID-19 paediatric patient; Case 17935. doi:10.35100/euro-rad/case.17935

- Kalafatis L, Habib A, Choudhary J, Baskaran S, Vijayananda S, Hussain T, Moghul S, Rashad N, Khan S, Syed I. Cerebral venous sinus thrombosis and ST-elevated myocardial infarction following COVID-19 vaccination; Case 17926. doi:10.35100/euro-rad/case.17926
- Choudhary J, Rafique H, Ingar A, Amin J, Salcedo L, Bhatti U, Abdul-Khaliq I, Moghul S, Rasheed N, Khan S, Syed I. Post-EVAR delayed anterior spinal artery syndrome; Case 17856. doi:10.35100/euro-rad/case.17856
- Choudhary J, Rafique H, Hussain T, Habib A, Syed S, Riaz I, Rasheed R, Khan S, Syed I, Rasheed N. A fishy tale: foreign body ingestion resulting in hepatic abscess formation; Case 17603. doi:10.35100/euro-rad/case.17603
- Said H, Mansour H, Salcedo LM, Shah BH, Mukherjee P, Nanthakumar S, Rasheed N, Khan S, Syed I. Subdural empyema in acute sinusitis: the central role of imaging in the diagnostic management; Case 17593. doi:10.35100/euro-rad/case.17593
- Gulzar M, Bakhsh M, Yonis H, Qamar Y, Menon G, Wickremasinghe B, Tsang B, Sivashankar H, Harries K, Farrugia A, Rasheed N, Khan S, Syed I. Unilateral renal cystic disease; Case 17548. doi:10.35100/euro-rad/case.17548
- Maiguma-Wilson S, Baskaran S, Syed S, Sivashankar H, Harries K, Ali A, Rafique H, Mansour H, Marway P, Malik A, Rani F, Rasheed N, Khan S, Syed I. Don't spill the beans! – Neocapsule and abscess formation from dropped gallstones 10 years post laparoscopic cholecystectomy; Case 17533. doi:10.35100/euro-rad/case.17533
- Tsang B, Gulzar M, Khan R, Rasheed N, Harries K, Sivashankar H, Syed I. Vertebral artery dissection – an important cause of stroke in younger patients; Case 17530. doi:10.35100/euro-rad/case.17530
- Mansour H, Hamza M, Ali A, Said H, Sivashankar H, Harries K, Maiguma-Wilson S, Rajakumar A, Sakarwadia R, Rasheed N, Khan S, Syed I. Uncharted territory: cerebral venous sinus and portal vein thrombosis post-COVID-19 vaccination; Case 17515. doi:10.35100/euro-rad/case.17515
- Vara S, Rasheed N, Rani F, Malik A, Mathew B, Mukadam Y, Maiguma-Wilson S, Sakarwadia R, Sivashankar H, Ali A, Mansour H, Khan S, Syed I. Not as simple(x) as it seems: the importance of radiological follow-up in HSV encephalitis; Case 17487. doi:10.35100/euro-rad/case.17487
- Prabhvir M, Khayam B, Rasheed N, Tooba S, Ali A, Riaz I, Harries K, Sivashankar H, Tsang B, Habib A, Syed I, Khan S. Migrating cystic lymphangioma; Case 17482. doi:10.35100/euro-rad/case.17482

- Rajakumar A, Mansour H, Rasheed N, Harries K, Rani F, Mukadam Y, Ali A, Maiguma-Wilson S, Rafique H, Baskaran S, Syed I. Adhesive and non-adhesive internal hernias: how to distinguish between the two in closed loop small bowel obstruction; Case 17459. doi:10.35100/eurorad/case.17459
 - Sivashankar H, Harries K, Syed S, Khan S, Syed I. Fasciola hepatica: an unusual liver lesion; Case 17073. doi:10.35100/eurorad/case.17073
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17. CONFERENCE PRESENTATIONS AND ABSTRACTS

I have contributed extensively to national and international conferences through oral presentations, posters, educational exhibits and research abstracts.

Major meetings include:

- Singapore Congress of Radiology
- British Institute of Radiology Annual Congress
- British Society of Interventional Radiology Annual Meeting
- Cardiovascular and Interventional Radiological Society of Europe
- Radiological Society of North America
- International Society of Endovascular Specialists
- British Thoracic Society
- Society of Interventional Radiology / international vascular meetings
- National and international radiology meetings in Pakistan
- Singapore Congress of Radiology
- European and Italian radiology meetings

Selected presentations include research and educational work in:

- Endovascular embolisation
- Aortic aneurysm repair
- Peripheral arterial intervention
- Lung biopsy
- Interventional oncology
- Urological intervention
- Vascular malformations
- Pulmonary embolism

- Prostate imaging
- CT optimisation
- Structured reporting
- Emergency radiology
- COVID-19 imaging
- Interventional Radiology service development

A comprehensive list of conference presentations is provided in **Appendix 3**.

18. RESEARCH AND ACADEMIC SUPERVISION

My academic leadership includes supporting trainees, junior doctors and colleagues through:

- Research project development.
- Abstract preparation.
- Conference presentation.
- Manuscript development.
- Clinical audit.
- Quality-improvement methodology.
- Portfolio development.
- Academic career planning.
- FRCR preparation.
- Interventional Radiology education.
- International observerships and fellowships.

The research group at BTUH provides a structured environment for trainees to participate in research and present their work nationally and internationally.

19. ACADEMIC NETWORK DEVELOPMENT

A significant element of my academic contribution has been the creation of networks that connect clinical practice, research and education.

Radiology Residents Forum

The RRF provides:

- International educational meetings.
- Research opportunities.
- Trainee presentations.
- Leadership opportunities.
- Mentorship.
- International scholarships.
- Clinical observership opportunities.
- Access to global academic networks.

Medical Student Radiology Network

Development of medical-student-led radiology champions and societies to encourage early engagement with radiology, research and academic medicine.

20. INTERNATIONAL CAPACITY BUILDING

I have maintained a particular interest in improving access to radiology and Interventional Radiology education in healthcare systems with limited resources.

Key activities include:

- International observership programmes.
- Educational visits.
- Visiting Professorships.
- Training of international clinicians.
- Scholarship opportunities.
- International trainee placements.
- Development of cross-border academic collaborations.
- Research and editorial partnerships.
- Educational programmes for clinicians from lower-GDP countries.

This work reflects a commitment to **academic equity, international collaboration and sustainable capacity building**.

21. AWARDS AND RECOGNITION

Tamgha-e-Imtiaz – Highest Presidential Medal of Excellence

Government of Pakistan

Royal College of Radiologists Recognition

Recognition associated with the Radiology Residents Forum and educational leadership.

Invited Academic and Keynote Roles

Invited speaker/keynote contributor at national and international Interventional Radiology and radiology meetings, including IRSP and WIRES.

Research and Innovation Recognition

Recognition for innovation in research and contribution to COVID-19 imaging pathways.

22. KEY ACADEMIC CONTRIBUTIONS

Education

- Founder of the international Radiology Residents Forum.
- More than 1,700 participants at the 2024 RRF global meeting.
- RRF officially sponsored by the Royal College of Radiologists in 2024.
- Creator of the first dedicated Interventional Radiology FY2 post in the country.
- Developer of the National Radiology Portfolio Scheme.
- National and international FRCR teaching.
- Developer of postgraduate Interventional Radiology educational modules.
- International scholarship and observership programmes.

Research

- Founder/Lead of the BTUH Imaging Research Group.
- Approximately 30–50 abstracts, papers and presentations annually from the research programme.
- Principal Investigator for BASIL-3.
- Development of COVID-19 CT pathway adopted more widely and published in the British Journal of Radiology.
- International editorial leadership.
- Development of formal research and academic collaborations.

Clinical Leadership

- Consultant Interventional Radiologist.
- Clinical Lead for Radiology.
- Clinical Lead for Imaging Research.
- Regional Imaging Research Lead.
- Regional Interventional Radiology leadership.
- Major contribution to NHS radiology and IR workforce expansion.
- Service redesign and regional vascular/IR reconfiguration.

Academic Leadership

- Visiting Professor in Pakistan.
- National RCR e-learning leadership.
- International editorial leadership.
- Scientific leadership within IRSP.
- International keynote and invited speaker.
- Development of global radiology educational networks.

International Impact

- Academic and clinical collaboration across the UK, Pakistan and Sudan.
- Development of international training and scholarship opportunities.
- Capacity-building programmes for lower-GDP healthcare systems.

23. PROFESSIONAL VISION

My academic and professional vision is to develop **clinically relevant, internationally connected and accessible academic medicine**, with particular emphasis on Interventional Radiology, imaging research and medical education.

I aim to develop academic environments in which clinical excellence, research, education and innovation are mutually reinforcing.

My priorities include:

1. Developing internationally connected academic programmes in Interventional Radiology and imaging.
2. Expanding access to high-quality radiology education.
3. Creating sustainable research opportunities for trainees and early-career clinicians.

4. Promoting clinically relevant translational research.
 5. Developing innovative models of postgraduate education.
 6. Supporting academic capacity building in resource-constrained healthcare systems.
 7. Harnessing digital education and emerging technologies, including AI, to improve radiology training.
 8. Building collaborative networks between NHS, university and international healthcare institutions.
 9. Mentoring the next generation of academic radiologists and interventional radiologists.
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24. REFEREES

Referees available on request.

Potential academic and professional referees include:

Dr Qaiser Malik

Medical Director, Royal College of Radiologists

Dr Tayyab Haider

Medical Director, Basildon University Hospital

Dr Samuel Johnson

Director of Medical Education, Mid and South Essex NHS Trust

APPENDIX 1 – SELECTED AUDIT AND QUALITY-IMPROVEMENT PORTFOLIO

The following represents a selection of clinical audits and quality-improvement projects led or supervised at Basildon University Hospital and Mid and South Essex.

Imaging Appropriateness and Radiation Safety

- CT KUB protocol optimisation and radiation overexposure.
- Optimisation of CT KUB in renal colic.
- Low-dose CT in Targeted Lung Health Checks.
- Reduction of lens irradiation during CT head examinations.
- Appropriateness of CT imaging in severely injured patients.
- CT cervical spine requests and adherence to best practice.
- CT head imaging in traumatic head injury.

- Appropriate use of abdominal radiographs in the Emergency Department.
- Outpatient neuroimaging requests for headache.
- CTPA appropriateness in suspected pulmonary embolism.
- CTPA appropriateness in pregnancy.

Interventional Radiology

- CT-guided lung biopsy quality and outcomes.
- Pneumothorax rates following CT-guided lung biopsy.
- Limb angioplasty consent documentation.
- Ultrasound-guided renal biopsy adequacy and complications.
- Interventional Radiology and vascular pathways.
- Structured documentation of interventional procedures.
- Radiology-led pathways for percutaneous procedures.

Oncology and Cancer Imaging

- Prostate MRI and PI-RADS v2.1.
- Diagnostic accuracy of prostate MRI.
- Follow-up of indeterminate pulmonary nodules according to BTS guidance.
- Breast disease imaging classification.
- Multiple-operation rate in invasive breast cancer.
- Pancreatic cancer reporting standards.
- CT chest/abdomen/pelvis in suspected malignancy.
- Liver lesion investigation pathways.
- Thyroid ultrasound and FNA pathways.

Emergency and Acute Imaging

- Ottawa ankle rule compliance.
- Ottawa knee rule compliance.
- Pittsburgh knee rule compliance.
- Emergency Department abdominal radiograph appropriateness.
- CT reporting times in hyperacute stroke.
- Out-of-hours CT head reporting.

- Inpatient CTPA turnaround times.
- Acute kidney injury and urinary obstruction.
- Documentation of referring clinician opinion on radiographs.

Reporting and Communication

- Structured reporting of right-heart strain in PE-positive CTPA.
- Radiology request quality.
- Documentation of clinical information.
- Structured reporting of superficial soft-tissue masses.
- Communication between radiology and clinical teams.
- Radiological image transfer times.
- Oncology alert pathways.
- Patient satisfaction within radiology.

APPENDIX 2 – SELECTED RECENT RESEARCH AND EDUCATIONAL PROJECTS

- Development of the BTUH Imaging Research Group.
- BASIL-3 multicentre trial.
- COVID-19 CT pathway development.
- National Radiology Portfolio Scheme.
- Radiology Residents Forum.
- International RRF Scholarship Programme.
- National IR FY2 programme.
- Postgraduate IR curriculum development.
- International IR observership programme.
- FRCR teaching programmes.
- International Uro-Radiology Masterclasses.
- RRF medical-student champion programme.
- International research and editorial collaboration between IRSP and NJRP.
- Academic quality-assurance framework for radiology abstracts.

- Development of international fellowship and scholarship pathways.
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APPENDIX 3 – SELECTED CONFERENCE PRESENTATIONS

Recent presentations and abstracts

- Shrinking the Giant: Successful Endovascular Embolization of a Massive Splenic Artery Aneurysm.
- Navigating the Giant: A Case Report on Clinoid ICA Aneurysm.
- Hidden Danger: Acute Abscess of Vesicourachal Diverticulum.
- Comparing Pneumothorax Rates in CT-Guided Lung Biopsy Following Introduction of a Valved Coaxial Needle.
- Twist of Fate: Acute Left-Sided Abdominal Pain Leading to Ovarian Torsion.
- A Clinical Rarity: Hydatidiform Mole in a 74-Year-Old Woman.
- Evaluating Diagnostic Accuracy in CTPA.
- Impending Compartment Syndrome: Spontaneous Superficial Femoral Artery Pseudoaneurysm.
- Large Peritoneal Inclusion Cyst Presenting as Recurrent Ascites.
- Duodenal Duplication Cysts in Adults.
- Persistent Carotid-Vertebrobasilar Anastomosis.
- Aortobronchial Fistula.
- Calcified Embolus Causing Stroke.
- Foramen of Winslow Hernia.
- Basilar Artery Thrombosis.
- Inverted Papilloma of the Frontal Sinus.
- Large Benign Liver Lesion.
- Renal Angiomyolipoma and Rectus Sheath Haemangioma.
- Foreign Body – Toothbrush in the Small Bowel.
- Haemangioma of the Rectum.
- Hypertrophy of the Crus of the Diaphragm.
- Mazabraud Syndrome.
- Leriche Syndrome.

- Vascular Aortitis.
- IgG4-related disease.
- Breast metastasis to the ischiorectal fossa.
- Sister Joseph nodule with ovarian lesion.
- Solid pseudopapillary neoplasm.
- Cryptorchid testicular teratoma.
- Grey matter heterotopia.
- Aggressive breast cancer mimicking a sebaceous cyst.
- Thymic malignancy presenting as a small prevascular nodule.
- Malignant melanoma presenting as a benign breast mass.
- Post-traumatic sternoclavicular dislocation.
- Haemorrhagic pancreatic pseudocyst.
- Neuroendocrine colorectal tumour.
- Biliary Ascaris removal by PTBD.
- Ultrasound findings in abnormal MRCP.
- Ultrasound-guided renal biopsy audit.
- Appropriateness of abdominal radiographs.
- CTPA appropriateness and diagnostic yield.
- DVT ultrasound referral appropriateness.
- Ottawa ankle rule compliance.
- MRI shoulder adequacy.
- BTS pulmonary nodule follow-up compliance.
- CTPA contrast enhancement.
- Documentation of referring clinician opinion.
- Lumbar spine radiograph appropriateness.
- CT KUB radiation optimisation.
- Reporting standards for right-heart strain in PE.
- Inpatient CTPA turnaround times.
- Acute kidney injury and urinary obstruction.

- Caecal volvulus.
- Large sigmoid volvulus.
- Non-traumatic splenic haematoma.
- Pneumomediastinum and pneumopericardium.
- Primary hepatic lymphoma.
- Aorto-enteric fistula and PET-CT.
- Antegrade ureteric stent exchange.
- Dieulafoy lesion.
- Gonadal vein access for varicocele embolisation.
- Carotid body tumour.
- CT coronary angiography and post-CABG complications.

APPENDIX 4 – SELECTED EARLIER INTERNATIONAL PRESENTATIONS

- EVAR stent migration – single-centre retrospective analysis.
 - EVAR stent and type II endoleak correlation.
 - Aortic lengthening following EVAR.
 - Seromas following endovascular repair.
 - Parkes Weber syndrome and embolisation of synchronous AVMs.
 - Defining the aortic lengthening effect following AAA repair.
 - Circadian pattern of pulmonary embolism.
 - Venous return and pulmonary embolic presentation.
 - CT visualisation following laparoscopic hernia repair.
 - Outback re-entry catheter for SFA recanalisation.
 - UK experience of varicocele embolisation using the Amplatzer Vascular Plug II.
 - Endovascular stenting and renal function.
 - Multidetector CT angiography and duplex ultrasound in peripheral arterial disease.
 - Isolated infectious spondylitis.
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APPENDIX 5 – CORE ACADEMIC THEMES

Interventional Radiology

Vascular intervention | Endovascular therapy | Embolisation | Interventional oncology
| Urological intervention | Image-guided procedures

Imaging Research

CT | MRI | Vascular imaging | Prostate imaging | Emergency radiology | Oncology
imaging | Imaging optimisation

Medical Education

FRCR | Postgraduate education | Curriculum development | Trainee mentorship |
Educational technology | International education

Academic Leadership

Research networks | Editorial leadership | International collaboration | Scholarship
programmes | Capacity building

Healthcare Transformation

Workforce planning | Service redesign | Digital reporting | Demand-capacity
modelling | Quality improvement | Clinical governance