

DR SAMER ALABED

✉ CONTACT@SAMERALABED.COM



RESEARCH PROFILE

100+ PubMed-indexed publications; **35+** lead or senior author

20,000+ citations; **h-index 29**

£1.0M+ competitive grant funding; **£200k+** as Principal Investigator

QUALIFICATIONS

2024	CCT - Certificate of Completion of Training in Radiology	General Medical Council
2023	PhD - AI in cardiac MRI	University of Sheffield
	▶ Supervisors: Professor Andy Swift and Professor Haiping Lu	
2021	FHEA - Fellow of the Higher Education Academy	Higher Education Academy
2020	PgCert - Medical Education	University of Dundee
2019	MSc - Clinical Research Methods (Distinction)	University of Sheffield
2018	FRCR - Fellow of the Royal College of Radiologists	Royal College of Radiologists
2013	MSc - Evidence Based Health-Care	University of Oxford
2011	MD - Medical Degree	Damascus University

RESEARCH EXPERIENCE

2024-	NIHR BRC Senior Clinical Research Fellow in Radiology	University of Sheffield
2022-24	NIHR Clinical Lecturer in Radiology	University of Sheffield
2019-22	Wellcome Trust Research Fellow in Cardiac MRI	University of Sheffield
	▶ Led data science development of the ASPIRE cardiac MRI and CT database	
	▶ Designed, validated, and audited AI cardiac MRI segmentation pipelines	
2014-19	NIHR Academic Clinical Fellow in Radiology	University of Sheffield
2010-	Cochrane Systematic Reviewer	Cochrane Heart

CLINICAL EXPERIENCE

2024-	Consultant Cardiac Radiologist	Sheffield Teaching Hospitals
	▶ SCMR Level 3 Cardiac MR accreditation	
	▶ BSCI Level 3 Cardiac CT accreditation	
2023-24	Advanced Cardiothoracic Imaging Fellowship	Royal Papworth Hospital
	▶ Supervisors: Dr Bobby Agrawal and Dr Jonathan Weir-Mccall	
2022-23	Cardiothoracic Radiology Training	Sheffield Teaching Hospitals
2019-22	Out-of-Programme for Research	Sheffield Teaching Hospitals
2014-19	Core Radiology Training	Sheffield Teaching Hospitals
2013-14	Clinical Foundation Training	Buckinghamshire Healthcare Trust

GRANTS & AWARDS

Principal Investigator

£92,000	AI-enhanced medical imaging reporting	NIHR
£50,000	SYDHH Innovation Pipeline - Patient Friendly Reports	South Yorkshire Digital Health Hub
£27,500	Clinical Lecturer Starter Grant: Automating Cardiac Imaging	Academy of Clinical Sciences
£15,000	Topol Digital Fellowship: AI-enhanced medical imaging reports	NHS England
£3,000	Education, Research and Innovation Grant	Health Education England
£3,000	Constance Thornton for Radiology Research	RCR
£23,500	University of Oxford Saïd Scholarship	The Saïd Foundation

Co-Investigator

£469,272	Pulmonary hypertension induced right heart failure	British Heart Foundation
£49,998	AI-Assisted Diagnosis of Pulmonary Hypertension	NIHR i4i
£199,946	Building a database of imaging in suspected PH	Janssen Pharmaceuticals
£114,354	Automatic Echo assessment to improve PH diagnosis	Janssen Pharmaceuticals
£10,000	NOAC for myocardial infarction - a network meta-analysis	NIHR Cochrane Incentive Award

Awards

£1500	AI-NET Fellowship - Excellence in AI Research - 2023	DAAD
Winner	NHS Parliamentary Awards - National Awards - 2023	NHS England
Finalist	Digital Innovator of the Year - 2023	HSJ Awards
Distinction	Radiology Editor's Recognition Award - 2022 & 2023	Radiology: RCTI
1st prize	NHS Innovation Award - 2022	Medipex
1st prize	Oral Abstract Winner at RCR Global - 2022	RCR
\$1,000	RSNA Trainee Research Prize - 2021	RSNA
1st prize	George and Vera Ansell Radiology Prize - 2018	RCR

NATIONAL LEADERSHIP AND TEACHING

Leadership

2025-	BSCI Executive Committee Member - Co-Lead for Education	BSCI
2022-	RCR Academic Committee	RCR
2022-24	BSCMR Co-Chair Trainee Committee	BSCMR
2022-24	BSCI Co-Chair Trainee Committee	BSCI
2022-24	RCR AI working group member	RCR

Teaching

2025-26	Co-organiser BSCI Cardiac Imaging Webinar Series	BSCI
2026	Co-organiser BCS Cardiac CT course	BCS
2024	Programme Chair BSCI Annual Meeting	BSCI
2023	Co-organiser BSCMR Cardiac MRI Webinar Series	BSCMR
2022-	Doctoral supervision: 6 PhD students; primary supervisor for 2	University of Sheffield

IMPACT AND RECOGNITION

Citations in International Guidelines

2022	Diagnosis and treatment of pulmonary hypertension	ESC & ERS
2019	Management of patients with supraventricular tachycardia	ESC
2015	Diagnosis and management of pericardial diseases	ESC

Media Coverage

Mar 2025	Fixing the NHS: What Will It Take	BBC Panorama
Jul 2023	MP visits finalists for transformative AI heart disease technology.	The Star
Jun 2023	Sheffield Hospitals heart diagnosis AI wins Future NHS Award	The Star
May 2023	NHS doctors want ChatGPT AI to write patient heart reports	The Daily Mail
Mar 2023	AI can save NHS time and money with heart scans.	The Mirror
Dec 2022	Sheffield NHS heart patients to receive quicker diagnosis	The Star
Dec 2022	AI spots damage on heart scans in seconds.	The Daily Mail

Public Engagement

Sep 2024	"Cor_alis_Choralis" - Festival of the Mind	Sheffield City Centre
Jul 2023	"Heart Art Images" - Shaping the Future	Sheffield Winter Gardens

SERVICE TO RESEARCH COMMUNITY

Editorial	Deputy Editor Radiology: Cardiothoracic Imaging (2021-2025)	RCTI
Editorial	Contact Editor Cochrane Heart (2019-2023)	Cochrane
Review	50+ peer reviews for high-impact journals	
Review	10+ national and international grant reviews	
Faculty	5+ invited faculty talks	Various

STATISTICAL & CODING SKILLS

Python	Advanced data management, analysis, and visualisation
R	Advanced statistical modelling and inference
SPSS	Fluent command in most common statistical tests
STATA	For diagnostic accuracy meta-analyses
LaTeX	Thesis and academic manuscript typesetting

LANGUAGES

English	Fluent
German	Fluent
Arabic	Fluent

HIGHLIGHTED PUBLICATIONS

Publications in *The Lancet Digital Health*, *Radiology*, *JACC: Cardiovascular Imaging*, *European Heart Journal*, *European Respiratory Journal*, and *Cochrane*.

- [1] **Alabed** S, Anderson A, Maiter A, Hughes A, McAnenly N, Salehi M, Sharkey M, Dwivedi K, Hokmabadi A, Alahdab F, Stevenson M, Ma N, Gaizauskas R, Chico TJ, Swift AJ, Li JJ, Kleesiek J, and Langlotz C. *Large language models for simplifying radiology reports: a systematic review and meta-analysis of patient, public, and clinician evaluations*. In press. THE LANCET DIGITAL HEALTH, 2026.
- [2] Fu Q, **Alabed** S, Hoole SP, Abraham G, and Weir-McCall JR. *Prognostic Value of Stress Perfusion Cardiac MRI in Cardiovascular Disease: A Systematic Review and Meta-Analysis of the Effects of the Scanner, Stress Agent, and Analysis Technique*. Vol. 6. 3. RADIOLOGY: CARDIOTHORACIC IMAGING, 2024.
- [3] Delaney L, **Alabed** S, Maiter A, Salehi M, Goodlad M, Shah H, Checkley E, Matthews S, Kamil M, Evans O, Rajaram S, Johns C, Scream NJ, Swift AJ, and Dwivedi K. *Meta-Analysis of Interobserver Agreement in Assessment of Interstitial Lung Disease Using High-Resolution CT*. Vol. 313. 1. RADIOLOGY, 2024.
- [4] **Alabed** S, Garg P, Aalandjani F, Dwivedi K, Maiter A, Karunasaagarar K, Rajaram S, Hill C, Thomas S, Gossling R, Sharkey M, Salehi M, Wild JM, Watson L, et al. *Establishing minimally important differences for cardiac MRI endpoints in pulmonary arterial hypertension*. EUROPEAN RESPIRATORY JOURNAL, 2023.
- [5] Al Said S, Kaier K, Sumaya W, Alsaid D, Duerschmied D, Storey R, Gibson C, Westermann D, and **Alabed** S. *Non-vitamin-K-antagonist oral anticoagulants (NOACs) after acute myocardial infarction: a network meta-analysis*. COCHRANE SYSTEMATIC REVIEWS - SENIOR AUTHOR, 2024.
- [6] Zhong L, **Alabed** S, Leng S, Chai P, Teo L, Ruan W, Low TT, Wild JM, Allen JC, Lim ST, Tan JL, Yip JW, Swift AJ, Kiely DG, and Tan RS. *Pulmonary Artery Strain Predicts Prognosis in Pulmonary Arterial Hypertension*. JACC: CARDIOVASCULAR IMAGING, 2023.
- [7] **Alabed** S, Aalandjani F, Dwivedi K, Karunasaagarar K, Sharkey M, Garg P, Koning PJH de, Tóth A, Shahin Y, Johns C, Mamalakis M, Stott S, Capener D, Wood S, et al. *Validation of Artificial Intelligence Cardiac MRI Measurements: Relationship to Heart Catheterization and Mortality Prediction*. RADIOLOGY, 2022.
- [8] **Alabed** S, Uthoff J, Zhou S, Garg P, Dwivedi K, Aalandjani F, Gosling R, Schobs L, Brook M, Capener D, Johns C, Wild JM, Rothman AM, Geest RJ van der, Condliffe R, Kiely DG, Lu H, and Swift AJ. *Machine Learning cardiac-MRI features predict mortality in newly diagnosed pulmonary arterial hypertension*. EUROPEAN HEART JOURNAL - DIGITAL HEALTH, 2022.
- [9] Aalandjani F, **Alabed** S, Garg P, Goh ZM, Karunasaagarar K, Sharkey M, Salehi M, Aldabbagh Z, Dwivedi K, Mamalakis M, Metherall P, Uthoff J, Johns C, Rothman A, et al. *Training and clinical testing of artificial intelligence derived right atrial cardiovascular magnetic resonance measurements*. Vol. 24. JOURNAL OF CARDIOVASCULAR MAGNETIC RESONANCE, 2022, p. 25.
- [10] Garg P, Gosling R, Swoboda P, Jones R, Rothman A, Wild JM, Kiely DG, Condliffe R, **Alabed** S, and Swift AJ. *Cardiac magnetic resonance identifies raised left ventricular filling pressure: prognostic implications*. EUROPEAN HEART JOURNAL, May 2022.
- [11] Goh ZM, Balasubramanian N, **Alabed** S, Dwivedi K, Shahin Y, Rothman A, Garg P, Lawrie A, Thompson R, Aalandjani F, Wild JM, Johns C, Lewis R, Gosling R, Sharkey M, Condliffe R, Kiely DG, and Swift AJ. *Right ventricular remodelling in pulmonary arterial hypertension predicts treatment response*. HEART, 2022.
- [12] Shahin Y, **Alabed** S, Alkhanfar D, Tscherren J, Rothman AMK, Condliffe R, Wild JM, Kiely DG, and Swift AJ. *Quantitative CT Evaluation of Small Pulmonary Vessels Has Functional and Prognostic Value in Pulmonary Hypertension*. RADIOLOGY, 2022.
- [13] **Alabed** S, Shahin Y, Aalandjani F, Johns C, Lewis R, Condliffe R, Wild J, Kiely D, and Swift A. *Cardiac-MRI Predicts Clinical Worsening and Mortality in Pulmonary Arterial Hypertension: A Systematic Review and Meta-Analysis*. JACC: CARDIOVASCULAR IMAGING, 2021.
- [14] Goh Z, **Alabed** S, Rothman A, Garg P, Lawrie A, Thompson R, Condliffe R, Wild J, Kiely D, Swift A, and al. et. *Right Ventricular Adaptation Assessed Using Cardiac Magnetic Resonance Predicts Survival in Pulmonary Arterial Hypertension*. JACC: CARDIOVASCULAR IMAGING, 2020.