

Curriculum Vitae

DR CRAIG PETER HACKING

BSc (BIOMED) MBBS FRANZCR

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EMPLOYMENT HISTORY

- Director of Training, Royal Brisbane and Women's Hospital 2016 Feb – present
- Consultant Radiologist, Royal Brisbane and Women's Hospital 2016 Feb – present
- Consultant Radiologist, Royal Melbourne Hospital, Melbourne 2014 Nov – 2016 Jan
- Consultant Radiologist, Royal Brisbane and Women's Hospital 2013 Feb – 2014 Oct
- Locum Radiologist, Qscan 2013 Sep – 2016 Aug
- Locum Radiologist, Citiscan 2013 Jan – Aug

QUALIFICATIONS

- Fellowship of the Royal Australian and New Zealand College of Radiologists (FRANZCR) 2013
- Level B accreditation in CT Coronary Angiography, Conjoint Committee for the Recognition of Training in CT Coronary Angiography, RANZCR 2013
- Bachelor of Medicine, Bachelor of Surgery, (MBBS) University of Queensland 2005
- Bachelor of Science (BSc) (Biomed), University of Queensland 2001
- Senior Certificate, OP 2, St Peters Lutheran College, Brisbane 1997

POST GRADUATE EDUCATION

- General MRI and Cardiac CT Fellowship, Nambour General Hospital 2012

- Radiology Registrar, Royal Brisbane and Women's Hospital 2008 – 2011
- Orthopaedic surgery PHO Reliving Registrar, Royal Brisbane and Women's Hospital 2007 Jul – 2008 Jan
- Internship and Junior House Officer, Royal Brisbane and Women's Hospital 2006 – 2007 Jun

PROFESSIONAL MEMBERSHIPS AND AFFILIATIONS

- Fellow of the Royal Australian and New Zealand College of Radiologists (FRANZCR)
- Australian and New Zealand Emergency Radiology Group (ANZERG)
- American Society of Emergency Radiology (ASER)
- Asian Society of Emergency Radiology (ASTER)
- Abdominal Radiology Group Australia and New Zealand (ARGANZ)
- American Roentgen Ray Society (ARRS)
- European Society of Radiology (ESR)

PROFESSIONAL AND ACADEMIC APPOINTMENTS

Current

- Co-Lead College Examiner for Anatomy, The Royal Australian and New Zealand College of Radiologists 2016 – present
- Managing editor, Radiopaedia.org 2016 – present
- Queensland Radiology Teaching Program co-ordinator 2016 – present
- University of Queensland Medical Student Radiology elective program director 2016 – present
- Senior Lecturer in Medical Imaging, University of Queensland 2014 – present
- Radiology Module Co-ordinator, Royal Australasian College of Surgeons Postgraduate Advanced Clinical Anatomy Course, University of Queensland 2014 – present
- Examination Item Writer in Radiologic Anatomy, Royal Australasian College of Surgeons Postgraduate Advanced Clinical Anatomy Course 2014 – present
- College Examiner in Anatomy, The Royal Australian and New Zealand College of Radiologists 2013 – 2016
- Clinical Medical Examiner, School of Medicine, University of Queensland 2008 – present

Previous

- Anatomy Section editor, Radiopaedia.org 2015
- Sub editor, Radiopaedia.org 2015
- Lead College Examiner for Anatomy Paper 2, The Royal Australian and New Zealand College of Radiologists 2014 - 2015
- Co-Director of Training, Department of Medical Imaging, Royal Brisbane and Women's Hospital 2013 - 2014
- Associate Lecturer in Medical Imaging, University of Queensland 2008 – 2014
- Medical Examination Writer in Anatomy and Radiology, School of Medicine, University of Queensland 2008
- Laboratory Supervisor for Royal Australasian College of Surgeons Basic and Advanced Surgical Training in Anatomy, University of Queensland 2005
- Anatomy Prosector (Senior Prosector in 2004-2005), University of Queensland 2002 - 2005
- Anatomy Tutor (Senior Tutor in 2004-2005), University of Queensland 2000-2005

COMMITTEES AND EXPERT PANELS

Current

1. Executive committee member and founding member, Australian and New Zealand Emergency Radiology Group (ANZERG) 2015 – present
2. Trauma review committee member, Royal Brisbane and Women's Hospital 2016 – present
3. Queensland Health Imaging Exam Catalogue Working Group member 2016 - present
4. Queensland Radiology Training Network selection panel member 2014 - present
5. Queensland Radiology Training Network steering committee member 2013 - present

Previous

1. Organising Committee member (case of the day) for the Annual Scientific Meeting of the Royal Australian and New Zealand College of Radiologists, Gold Coast 13 – 16 Oct 2016
2. Convenor, Annual Scientific Meeting of the Royal Australian and New Zealand College of Radiologists Queensland branch, Brisbane 14 Jun 2014
3. Co-convenor, Annual Scientific Meeting of the Royal Australian and New Zealand College of Radiologists Queensland branch, Gold Coast 8 Jun 2013
4. Radiology Registrar Representative, Queensland Training Network Committee, Royal Brisbane and Women's Hospital 2010 – 2011

5. Queensland Radiology Teaching Award creator and organiser, Queensland Radiology Training Network, Royal Brisbane and Women's Hospital 2009 – 2011
6. Radiology Registrar Roster Co-ordinator, Queensland Training Network Committee, Royal Brisbane and Women's Hospital 2009 – 2012
7. Invited Guest Panel Member on the Symposium on Anatomy Teaching and Medical Imaging - Annual Conference of Australian & New Zealand Association of Clinical Anatomists, University of Queensland, Qld – 20 Nov 2007

LECTURES AND PRESENTATIONS

International

1. Radiopaedia.org Medical Imaging Anatomy Course – Melbourne, Vic – 9 Apr 2016
2. Radiopaedia.org Trauma Radiology Course – Melbourne, Vic – 9 Jul 2016
3. Radiopaedia.org Emergency Radiology Course – Brisbane, Qld – 8 Oct 2016

National

1. Midnight radiology – Royal Australian and New Zealand College of Radiologists Annual Scientific Meeting – Gold Coast, Qld – 13 – 16 Oct 2016
2. Radiology and anatomy of common and uncommon abdominal herniae – Royal Australian and New Zealand College of Radiologists Annual Scientific Meeting – Gold Coast, Qld – 13 – 16 Oct 2016
3. Ankle radiology for physiotherapists – Queensland Emergency Department Physiotherapy Network Annual Conference – Brisbane, Qld – 5 Aug 2016
4. Trauma case review series – Radaim 2016 – Gold Coast, Qld – 22 – 24 July 2016
5. Using Radiopaedia for teaching – Radaim 2016 – Gold Coast, Qld – 22 – 24 July 2016
6. Abdominal vascular emergencies: CT protocols – Radaim 2016 – Gold Coast, Qld – 22 – 24 July 2016
7. When is a non contrast abdominal scan useful – Radaim 2016 – Gold Coast, Qld – 22 – 24 July 2016
8. Emergency and Trauma Radiology workshop - 12th Annual Queensland Emergency Medicine Autumn Symposium - Brisbane, Qld – 19 - 20 May 2016
9. Update in Trauma Radiology – Australasian Trauma Society Annual Scientific Meeting – Gold Coast, Qld – 2-4 Oct 2015
10. Trauma case review – Radaim 2015 – Gold Coast, Qld – 31 July – 2 Aug 2015

11. Radiology and anatomy of common and uncommon herniae – Radaim 2015 – Gold Coast, Qld – 31 July – 2 Aug 2015
12. TREW – Trauma, Radiology and Emergency Management Workshop - Queensland Trauma Symposium, Royal Brisbane and Women's Hospital, Brisbane, Qld – 19-20 Feb 2015
13. CT Imaging gems in multi-trauma – Trauma and Acute Imaging Symposium 2014, Gold Coast, Qld – 1-2 Mar 2014
14. Imaging of Penetrating Injury – Trauma and Acute Imaging Symposium 2014, Gold Coast, Qld – 1-2 Mar 2014
15. Multitrauma Radiology Case Review - Queensland Trauma Symposium, Royal Brisbane and Women's Hospital, Brisbane, Qld – 20-21 Feb 2014
16. Anatomy as the fundamental of Modern Medical Imaging - Annual Conference of Australian & New Zealand Association of Clinical Anatomists, University of Queensland, Qld – 20 Nov 2007
17. Utilisation of an Imaging Interpretation Checklist method to assist Radiology Registrar Reporting (C Hacking, J Challen and T Stapleton) Royal Australian and New Zealand College of Radiologists Annual Scientific Meeting combined with the 14th Asian Oceania Congress of Radiology, Sydney, NSW – 30 Aug-2 Sep 2012
18. MRI features of Patellar Tendon-Lateral Femoral Condyle Friction Syndrome (C Hacking and J Challen) Royal Australian and New Zealand College of Radiologists Annual Scientific Meeting combined with the 14th Asian Oceania Congress of Radiology, Sydney, NSW – 30 Aug-2 Sep 2012

Local

1. Neurotrauma Radiology 101 – Redcliffe Hospital Grand Rounds, Redcliffe, Qld – 6 Feb 2014
2. Out with the Old, In with the New: The New Radiodiagnosis Training Program - Royal Australian and New Zealand College of Radiologists Queensland Branch Annual Scientific Meeting, Brisbane, Qld – May 2011
3. No Acute Intracranial Pathology: an audit of head CT in DEM patients - Queensland Radiology Trainees Annual Presentation Night, Brisbane, Qld - Nov 2010
4. Case Report: Buffalo Pneumothorax - Royal Australian and New Zealand College of Radiologists Queensland Academic Night, Brisbane, Qld - Sep 2010
5. Case Report: Ruptured Renal Artery Aneurysm secondary to Fibromuscular dysplasia - Queensland Radiology Trainees Annual Presentation Night, Brisbane - Nov 2008

6. Routine follow up of Asymptomatic Primary Total Hip Arthroplasties : need for revision surgery - Australian Orthopaedic Association Queensland branch Annual Scientific Meeting, Townsville, Qld - June 2007

Non-presenting Co-Author

1. Anatomic distribution of pulmonary embolism on positive CTPA studies. (S Smith and C Hacking)- Royal Australian and New Zealand College of Radiologists Annual Scientific Meeting – Gold Coast, Qld – 13 - 16 Oct 2016
2. Presentations of acute abdominal pain from emergency: are you full of it? (D Hilton, S Gallagher and C Hacking)- Royal Australian and New Zealand College of Radiologists Annual Scientific Meeting – Gold Coast, Qld – 13 - 16 Oct 2016
3. Comparison Of Radiation Doses Between Coronary CT And Catheter Coronary Angiography: An Update (K Leong, J Vazirani, P Einsiedel, C Hacking, N Better, R Gurvitch, C Neal, F Langenberg, E Lui and S Joshi) Society of Cardiovascular Computer Tomography Annual Scientific Meeting, Las Vegas, USA – 16-19 Jul 2015
4. Atherosclerotic Plaque on CTCA and Medication Use. (J Vazirani, J Liu, E Lui, N Better, S Heinze, C Hacking, P Einsiedel, F Langenberg and S Joshi) Cardiac Society of Australia and New Zealand Annual Scientific Meeting, Melbourne, Vic – 13-16 Aug 2015
5. Comparison Of Radiation Doses Between Coronary CT And Catheter Coronary Angiography: An Update (K Leong, J Vazirani, P Einsiedel, C Hacking, N Better, R Gurvitch, C Neal, F Langenberg, E Lui and S Joshi) Cardiac Society of Australia and New Zealand Annual Scientific Meeting, Melbourne, Vic – 13-16 Aug 2015
6. Image quality in CT pulmonary angiography: Is there a difference between intubated and non-intubated patients? (L Menzies, C Hacking and M Khatun) Royal Australian and New Zealand College of Radiologists Combined Scientific Meeting, Melbourne, Vic – 4-7 Sep 2014
7. Pre-Oncall Key Conditions in Emergency Radiology Training for First Year Radiology Registrars (P Leschke, N Brown, C Hacking, A Groundwater, J Roberts and P Cleland) Royal Australian and New Zealand College of Radiologists Annual Scientific Meeting combined with the 14th Asian Oceania Congress of Radiology, Sydney, NSW – 30 Aug-2 Sep 2012
8. Integration of Allied Disciplines with Gross Anatomy Class Notes (V Kippers, C Hacking, P Rego and T Papinczak) International Association of Medical Science Educators Conference, Salt Lake City, USA – July 2008
9. Routine follow up of Asymptomatic Primary Total Hip Arthroplasties : need for revision surgery (C Hacking, P Weinrauch, S Whitehouse, R Crawford and B

- Donnelly) Australian Arthroplasty Society Annual Scientific Meeting, Kingscliffe, NSW - Sept 2007
10. The clinical anatomy approach to teaching in a medical program (V Kippers, RC Aland, C Hacking and P Rego) British Association of Clinical Anatomists, Summer Scientific Meeting, University of Padua, Italy – July 2007
 11. Medical students and anatomy teaching – what do they want? (V Kippers, P Rego, C Hacking and RC Aland) British Association of Clinical Anatomists, Summer Scientific Meeting, University of Padua, Italy – July 2007
 12. Report on the use of Anatomy Resources by MBBS Year 1 and 2 students (P Rego and C Hacking) Teaching and Learning Committee, School of Medicine, University of Queensland, Qld – 2006

RESEARCH

Peer Reviewed Publications

1. Pachymeningeal enhancement – a comprehensive review of literature (A Joyce, CP Hacking and RL Jeffree) *Neurosurg Rev.* 2015 Oct; 38(4): 649-59.
2. Post-operative assessment after Total Hip Arthroplasty (CP Hacking, P Weinrach , S Whitehouse, R Crawford and B Donnelly) *ANZ J Surg.* 2010 Oct; 80(10):737-40.
3. Triple phase Bone scintigraphy in Chronic Tophaceous Gout – inability to exclude concomitant Osteomyelitis. (CP Hacking, E Sclavos and S Stuckey) - *ANZ Nucl Med.* 2009 Mar; 40(1):5-7.
4. Common bile duct polyp mimicking choledocholithiasis: a case report with laparoscopic transcystic management (CP Hacking, CJ Taylor and LK Nathanson) - *Surg Laparosc Endosc Percutan Tech.* 2008 Jun; 18(3):290-3.

Posters

1. A pictorial review of brachial plexus MRI (S Su, C Hacking and P Phal)- Royal Australian and New Zealand College of Radiologists Annual Scientific Meeting - Adelaide, SA – 29 Oct – 1 Nov 2015
2. Does CTPA scan quality depend on the method of IV contrast administration? (C Hacking, A Gorelik and L Menzies) - Royal Australian and New Zealand College of Radiologists Annual Scientific Meeting - Adelaide, SA – 29 Oct – 1 Nov 2015
3. Elimination of oral contrast in the emergency department: an Australian experience (C Alcock, M Khatun, J Ma and C Hacking) Royal Australian and New Zealand College of Radiologists Combined Scientific Meeting, Melbourne, Vic – 4-7 Sep 2014

4. An audit of provisional versus final reports of on-call CT imaging (L Barrett, R Barrett and C Hacking) Royal Australian and New Zealand College of Radiologists Combined Scientific Meeting, Melbourne, Vic – 4-7 Sep 2014
5. Magnetic Resonance Imaging of Rectal Carcinoma : Techniques, Staging and Treatment Implications (C Hacking and J Robertson) Royal Australian and New Zealand College of Radiologists Annual Scientific Meeting combined with the 14th Asian Oceania Congress of Radiology, Sydney, NSW – 30 Aug-2 Sep 2012
6. Magnetic Resonance Imaging of Prostatic Carcinoma : Techniques, Staging and Treatment Implications (C Hacking and J Robertson) Royal Australian and New Zealand College of Radiologists Annual Scientific Meeting combined with the 14th Asian Oceania Congress of Radiology, Sydney, NSW – 30 Aug-2 Sep 2012
7. The Spectrum of Perilunate Dislocations: A Biomechanic and Radiologic Perspective (C Hacking and NWB Sommerfeld) Royal Australian and New Zealand College of Radiologists Combined Scientific Meeting, Brisbane, Qld – 22-25 Oct 2009
8. Anatomical evidence for Radial Tunnel Blocks (S Mercer and C Hacking) Combined Conference of Australian & New Zealand Association of Clinical Anatomists and Australasian Institute of Anatomical Sciences – University of Queensland, Qld – 27-30 Nov 2007

Current Projects

1. Pulmonary Embolism distribution in CTPA in a large tertiary teaching Hospital – supervising Sarah Smith
2. Anatomic location of the Vesiculoureteric junction on non contrast CT KUB – supervising Alexandra Slater
3. Review of split bolus CT trauma – supervising Cassie Jeavons
4. CT trauma sternal fractures audit – supervising Stephanie Lee
5. Accurate ureteric calculus measurement on CT KUB – supervising Robert Keays

Radiology Trainee Research Project Supervision

1. The role of routine follow up CT brain scans in anti-coagulated patients following minor traumatic brain injury – Kenny Sims, RMH - 2015
2. Trauma Case Series Radiology Teaching Module – Heather Pascoe, RMH – 2015
3. Likelihood of acute, non-traumatic abdominal pathology with a full stomach is demonstrated on CT – Dan Hilton, RBWH - 2015
4. Elimination of oral contrast in the Emergency Department: An Australian Experience – Chris Alcock, RBWH, 2014
5. An audit of provisional versus final reports of oncall CT imaging – Liat Barrett – 2014

University of Melbourne Masters of Medicine Thesis marker

1. Accuracy of Dual Bolus Single Acquisition Computed Tomography in the Diagnosis and Grading of Adult Traumatic Splenic Parenchymal and Vascular Injury – Paul Marovic, The Alfred Hospital – 2016
2. Medical Emergencies in the Imaging Department of a University Affiliated Tertiary Hospital – Frans van Tonder, St Vincent's Hospital - 2015

Work-based protocols

1. Minor Head Imaging Protocol in conjunction with the departments of Emergency Medicine and Neurosurgery, Royal Brisbane and Women's Hospital, Brisbane, Qld – 2016
2. MRI after hours scanning protocol in conjunction with the department of Emergency Medicine, Royal Brisbane and Women's Hospital, Brisbane, Qld - 2014
3. Subarachnoid Haemorrhage Imaging Protocol in conjunction with the departments of Emergency Medicine and Neurosurgery, Royal Brisbane and Women's Hospital, Brisbane, Qld - 2014

AWARDS AND PRIZES

- Clinical Educators Development Program: ARRS – Los Angeles, USA - 17 Apr 2016
- Asian Oceanian School of Radiology Youth Club– Yilan, Taiwan – 12-15 Nov 2015
- Queensland Radiology Training Network Teacher in the year top 10 award – Brisbane, Qld - 2014

PROFESSIONAL COURSES

- Medical Leadership in Action Program (Cohort 10) Queensland Health Clinician Planning and Leadership Unit, Brisbane, Feb – July 2014
- The Supervisor as a Teacher, Leader and Performance Manager (Teaching on the Run) - Medical Education and Training Services, Royal Brisbane and Women's Hospital, Brisbane, Qld – 2 Dec 2011
- Hardwiring Excellence Workshop - StuderGroup, Brisbane, Qld – 2 Dec 2009

OTHER CONTRIBUTIONS

- Weekly Radiology Registrar viva session 2013 - present
- RBWH Radiology Registrar Roster coordinator 2009 – present
- RBWH teaching timetable co-ordinator 2013 – present
- University of Melbourne Masters of Medicine (Radiology) lecturer to DR1, Dr2 and DR3 levels 2014 - 2016
- Created the Queensland Radiology Annual Teaching award in 2009
- RBWH Radiology Hub website manager 2013 - 2014
- Organised the implementation of RBWH SFRs for 4th and 5th year radiology trainees
- Current Emergency Department liaison for Medical Imaging, RBWH
- Regular weekly vivas for trainees
- RBWH DEM weekly education session contributor 2016 - present
- RBWH DEM registrar tutorials in imaging prior to FACEM exams 2013 - present
- RMH ICU registrar tutorials in imaging prior to CICM exams 2015
- Regular Clinical Meetings
 - Fortnightly complex spinal surgery meeting
 - Weekly ICU meeting
 - Weekly Trauma imaging review
- Application for extra training positions – STPs through the Federal Government 2013 - 2014
- RBWH MRI tender selection panel member 2013 -2014
- RANZCR College Accreditation site observer 2014
- RBWH RIS tender selection panel member 2014
- RBWH PACS tender selection panel member 2016 – present

AWARDS

- Highly Commended RACS Dissection Prize, University of Queensland, 2005
- Dean's Commendation for High Achievement, Bachelor of Science (Biomed), University of Queensland, Semester 1, 1999
- Dean's Commendation for High Achievement, Bachelor of Science (Biomed), University of Queensland, Semester 2, 1999
- Dean's Commendation for High Achievement, Bachelor of Science (Biomed), University of Queensland, Semester 1, 2000

SPORTING REPRESENTATION

- University of Queensland Golf Team – Second place, Australian Universities Golf Championship, Gold Coast, Qld – 2001
- Junior Pennants Captain and Manager, McLeod Country Golf Club, Qld – 1999
- Open Men's Pennants Player, McLeod Country Golf Club, Qld - 1997, 1999-2002
- Junior Pennants Player - McLeod Country Golf Club, Qld – 1995-1997

REFERENCES

Professor Alan Coulthard MBBS BMedSci (class 1) FRCSEd FRCR FRANZCR
Director of Research and Interventional Neuroradiologist, Royal Brisbane and Women's Hospital
Head of Medical Imaging, School of Medicine, University of Queensland
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Associate Professor Frank Gaillard MBBS (Hons) PGDipSurgAnat MMed FRANZCR
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Founder and CEO of Radiopaedia.org
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Dr Daryl Wall AM ASM MBBS (Hons) FRACS
Director of Trauma Services, Royal Brisbane and Women's Hospital
Chair of Queensland Trauma Clinical Network
Member of the Queensland Clinical Senate
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Associate Professor David Lisle MBBS FRANZCR
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