

News from University College Cork Discipline of Medical Imaging and Radiation Therapy May 2022

UCC Radiography lecturer new Chair of the Radiographers Registration board (RRB) of CORU

Niamh Moore has been elected as chair of the Radiographers Registration board (RRB) of CORU. The Radiographers Registration Board at CORU has statutory responsibility for the:

- Establishing and maintaining a Register of members of the profession
- Assessing, approving, and monitoring training courses for the health and social care professions under the Act
- Establishing the Code of Professional Conduct and Ethics and standards of performance to which radiographers must adhere

The Board is the designated Competent Authority and is responsible for recognition of qualifications gained outside the State.

Niamh has been a member on CORU's Radiographers Registration Board (RRB) since March 2020 and took up her role as Chair in March 2022 of the RRB. She also represents the South as a council member on the Irish Institute of Radiography and Radiation Therapy

Graduations

Rena Young, Practice Education Coordinator for UCC MSc Diagnostic Radiography, was one of the first graduating cohort of the UCC MSc Health Professions' Education. UCC has a strong tradition in the education of educators and the Medical Education Unit is specifically dedicated to the development of teachers in the health professions.



Pictured at the recent graduation ceremony below is from L-R:

Prof Helen Whelton, Head of College of Medicine and Health, Dr Catherine Sweeney, Programme Director, Anda Dumitrescu, Susan Harvey, Ciarán McDonald, Rena Young, Conleth Murphy, Prof Paula O'Leary, Dean of School of Medicine.

Irish Healthcare Centre Awards 2022

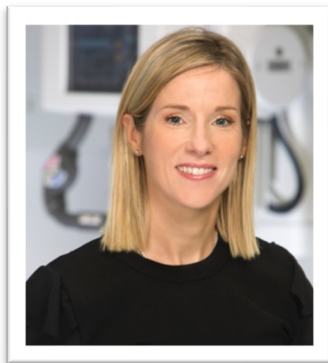
Our Interprofessional Learning initiative – a collaboration between UCC College of Medicine and Health and the HSE (Health Service Executive), was nominated and selected as a finalist for three Irish Healthcare Awards under Healthcare Initiative / Project. They were nominated in the categories of Patient Safety; Child Health & Wellbeing; and Community Care Services. Rena Young, of our discipline was co-chair of the project steering committee, representing her UCC colleagues from across 10 disciplines.



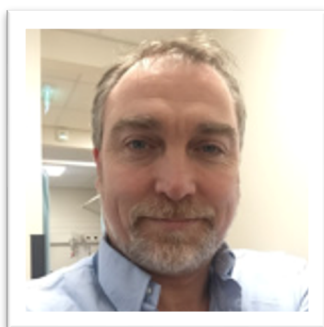
The #IHCA22 are Ireland's leading and most prestigious medical awards. They celebrate innovation and excellence in the Irish healthcare system and recognise projects, institutions and individuals that have made a positive contribution to patient care in the past year. The Awards have become synonymous with everything that is exceptional and progressive in the Irish health service and sees projects entered from all regions of the country and all sectors of the health service.

PhD Radiographers and Radiation Therapists

UCC Medical Imaging and radiation Therapy are delighted to be expanding their PhD offerings. There are three PhD Candidates on their journeys to Doctoral status.



Niamh Moore is a lecturer in the discipline of Medical Imaging and Radiation Therapy and is a registered radiographer with a clinical background specialising in CT (Computed Tomography). Niamh graduated with a BSc (Hons) Radiography in 1997 and spent over 20 years working as a Clinical Radiographer at Cork University Hospital where she held the position of CT Clinical Specialist. The focus of her PhD is Low dose imaging in CT of the Chest. Niamh has been actively involved in research for almost 15 years and has several publications, particularly in low dose imaging



Peter C Murphy qualified as a radiographer in UCD in 1995. Since that time, he has gained significant managerial experience over the last two decades and, at the same time, he has specialized in MRI and PET CT imaging. He was awarded his post-graduate Diploma in MRI from TCD in 2003. An employee of Alliance Medical, since 2012, he has been Unit Manager of MRI & PET CT services in Cork University Hospital. In that time, he has overseen a transformation in the delivery of advanced imaging in Cork University Hospital. He has been involved in several research programmes and trials over the years and he continues to be involved in the education of radiographers. He runs an annual MRI seminar in conjunction with the

IIRRT and UCC and he has presented at other IIRRT seminars as well as occasional lectures in UCC. Having been awarded a scholarship from the UCC College of Medicine and Health he commenced a part-time PhD in Radiography in 2021. The focus of his research is the use of Artificial Intelligence in Breast MRI, particularly in the areas of breast composition and breast density. The research will include the development of an AI algorithm to assess breast composition.

Focus on MSc Students



Hi, I'm Niall Carr, I am from Bundoran in County Donegal, and I am currently undertaking the MSc Diagnostic Radiography programme in UCC. After having studied for 4 years to obtain my undergraduate degree in Health Science and Physiology, I was inspired to take a step towards the career path of healthcare. I carried out some research into the prospects the radiography profession would hold. Radiography offered a rewarding career with tremendous employment opportunities. It combines my interests in biology, physics, and technology. Once qualified I will have access to the most cutting-edge equipment and be at the forefront of technological developments in the medical imaging arena. I

feel I have the ideal personality to go into this area of practice. Having excellent interpersonal and communication skills means that I will be able to work closely with both patients and health care professionals to provide high quality patient-centred care. From having been part of many sports teams throughout my life, my ability to work as part of a team is something that will stand me in good stead for the duration of this degree and in the future. The variety within radiography is endless. As my career progresses, I can take on further responsibilities, such as management or teaching. Alternatively, I could specialise in a specific imaging modality or even avail of travel opportunities by taking my skills to a hospital overseas. I am excited to see what my future holds.

New Honorary Appointments in the spotlight

Professor Peter Hogg receives SCoR (Society and College of Radiographers) centenary award

UCC Honorary Professor and Emeritus **Professor at the University of Salford** Peter Hogg was Awarded the Society and College of Radiographers Gold Medal on Saturday 14th May 2022. The Medal is awarded once a decade in recognition of an outstanding contribution to the profession. is one of the most prolific contributors to radiographic knowledge, having sole- or co-authored more than 650 conference or journal papers and books. Peter was the most prolific author at Salford for over five consecutive years. He has co-authored work with people from over 30 countries and has presented research at conferences in over 20 countries,



personally delivering over 50 invited and keynote speeches, including the prestigious Welbeck Memorial Lecture.

Photo of Professor Peter Hogg being awarded the gold medal by Claire Donaldson, SCOR President. Taken by Dr Christina Malamateniou.

Dr Nicolas Woznitza receives an MBE



UCC Adjunct Senior Lecturer and reporting radiographer, Dr Nick Woznitza, was awarded an MBE in the Queen's New Years' Honours list 2022 for services to radiography and the COVID-19 response. He was an expert advisor to the London Nightingale hospital, and his research work supported radiographers caring for COVID-19 patients, including preliminary clinical evaluation of chest X-rays and management of patients with pneumothoraces. Left Mrs and Dr Woznitza at Buckingham Palace.

Grant funding success for Annual CT Conference



A promotional graphic for a CT Conference. It features the UCC logo (University College Cork, Ireland) at the top right. The main text reads 'CT CONFERENCE' in large, bold letters. Below this, it says 'Saturday 17th September 2022' and 'Brookfield Health Sciences Complex'. At the bottom, there is an image of a CT scanner with the text 'Further details to follow...' overlaid. The ASSERT logo is at the bottom right. On the left side, there is a vertical black bar with the text 'Save The Date' written vertically in white.

Academics from Medical Imaging & Radiation Therapy at UCC are pleased to report that they have secured prestigious funding (~€5K) from the HRB (Health Research Board) to deliver a CT conference for radiographers, radiation therapists and those interested in CT. The Conference will be held at Brookfield Health Sciences Complex on **Saturday 17th September 2022**. More information and registration details will be provided shortly, please **hold the date!** The plan is to hold the conference in a hybrid format, with the option of joining online for those unable to attend in person. A series of expert speakers, including colleagues from the UK

(Professor Bev Snaith) and Hong Kong (Dr Charbel Saade) have agreed to deliver talks on a range of topics relating to CT. A series of dedicated sessions will focus on Latest Advances in CT, Patient Centred Care, and the Expanding Role of CT in Radiation Therapy. Registration fees will be reduced for those registered as a full-time student and for those attending online.

It is hoped that the Conference will receive CPD (Continuing Professional Development) approval from the Irish Institute of Radiographers and Radiation Therapists (IIRRT). More details will follow via social media and the UCC MIRT (Medical Imaging and Radiation Therapy) website

<https://www.ucc.ie/en/medical/gradstudcpd/gradstud/medicalimagingandradiationtherapy/newsandevents/> . The academic team are looking forward to welcoming delegates to the Cork CT Conference in September!

In the media		
	<p>MSc Diagnostic Radiographer and Cork University Hospital Radiographer Ellen Keane’s Paper in the Journal “Radiography” has received quite a bit of interest in the media and a piece for RTE morning Ireland about her research can be listened to by scanning the QR code (left).</p> <p>Professor McEntee led an international discussion on Ethics in Medical Radiations Sciences on the Journal of Medical Imaging and Radiation Science Podcast. This can be listened to by scanning the QR code (right)</p>	

A selection of Publications is 2022

1. Holmes, K., & Hogg, P. (2022). Reflections on the COVID-19 pandemic. ISBN: 9781912337583 [ISRRRT COVID-19 book.pdf](#)
2. Doyle, Shauna C., Niamh M. Bergin, Rena Young, Andrew England, and Mark F. McEntee. "Diagnostic accuracy of ultrasound for localising peripherally inserted central catheter tips in infants in the neonatal intensive care unit: a systematic review and meta-analysis." *Pediatric Radiology* (2022): 1-10.
3. **Chan, TY; Shaikh, U; England, A; McWilliams, RG;** Variability in the perception and application of force used in IVC filter retrievals among interventional radiologists, *Radiography* 28, 1,68-74 2022
4. **Tugwell-Allsup, Jenna Ruth; Morris, Rhys Wyn; Thomas, Kate; Hibbs, Richard; England, Andrew;** Neonatal digital chest radiography—should we be using additional copper filtration? *The British Journal of Radiology*, 95, 1130, 20211026, 2022
5. **Saint, J; England, A; Ali, A Mohammed; Bonnett, L;** The effect of different statistical approaches on image quality data obtained from radiological examinations, *Radiography*, 28, 2, 518-523, 2022
6. **England, Andrew; Thompson, JD; Littler, E; Tugwell-Allsup, J; Edwards, E;** Predicting the role of touchless technologies within diagnostic radiography: Results of an international survey
7. *Radiography*, 28, 2, 524-530, 2022
8. **Singh, T; Muscroft, N; Collier, N; England, A;** A comparison of effective dose and risk for different collimation options used in AP shoulder radiography, *Radiography* 28, 2, 394-399 2022

9. **Robertson, S; Olanloye, EE; Hon, Y; England, A; McNair, H; Cruickshank, S;** Are radiographers suffering from symptoms of compassion fatigue due to occupational stress: A systematic review *Radiography*, 2022
10. **Mutahira Lone, Ahmad H. Sheikh, Andreea Factor, Niamh Moore, Javid M.** Impact of a multimodal anatomy CPD course on intravenous cannulation skills – An Irish radiographers and radiation therapists’ perspective. *Eur J Anat.* 2022;26(1):73-86.
11. **Luke OR, Aaron L, Jürgen T, Niamh Moore et al.** Using novel methods to track British and Irish Ice Sheet dynamics since the Late Pleistocene, along the west Porcupine Bank, NE Atlantic. *Quat Sci Rev.* 2022; 284:107463. doi:10.1016/j.quascirev.2022.107463
12. **Hadadi, I., Rae, W., Clarke, J., McEntee, M., & Ekpo, E. (2022).** Breast cancer detection across dense and non-dense breasts: Markers of diagnostic confidence and efficacy. *Acta Radiologica Open*, 11(1), 20584601211072279.
13. **McEntee, M. (2022).** A personal view of dementia care in radiography. *Journal of Medical Imaging and Radiation Sciences*, 53(1), 5-6.
14. **Keane, E., Moore, N., Leamy, B., Scally, A., & McEntee, M. F. (2022).** Identifying barriers to Irish traveller women attending breast screening. *Radiography*, 28(2), 348-352.
15. **Philip Mulryan, Naomi Ni Chleirigh, Alexander T. O’Mahony, Claire Crowley, David Ryan, Patrick McLaughlin, Mark McEntee, Michael Maher & Owen J. O’Connor.** An evaluation of information online on artificial intelligence in medical imaging. *Insights Imaging* 13, 79 (2022). <https://doi.org/10.1186/s13244-022-01209-4>
16. **Adamson, Helen, Foster, Beverly, Clarke, Ruth, Scally, Andrew, Snaith, Veverly 2022** A Longitudinal Evaluation of Computed Tomography Radiation Incidents Within a Multisite HNS Trust *Journal of Patient Safety* May 6, 2022, Volume – Issue – 10.1097/PTS.0000000000001022
17. **Murphy, Hazel; Scally, Andrew; Andrew, Damon; Lord, James; Wyse, Gerald; Fanning, Noel; Young, Rena; Moore, Niamh (2022)** 'Clinical audit comparing radiation dose metrics between WEB and coil embolisation in the treatment of intracranial aneurysms'. *Journal Of Medical Imaging and Radiation Sciences*, 53 (1):75-80
18. **Michelle Murphy, Niamh Moore, Bríd Leamy, Andrew England, Owen J. O’Connor, Mark F. McEntee,** An Evaluation of the impact of the Coronavirus (COVID 19) pandemic on Interventional Radiographers well-being, *Journal of Medical Imaging and Radiation Sciences*. ISSN 1939-8654, <https://doi.org/10.1016/j.jmir.2022.05.006>.