

ACADEMY NEWS

OFFICIAL NEWSLETTER OF THE NATIONAL IMAGING
ACADEMY WALES



WELCOME

by Phillip Wardle, NIAW Director

A belated happy St David's Day to you all.

A big Hello and welcome to our second Imaging Academy newsletter. We have just passed the second anniversary of our official opening and I am amazed to think of how the Academy has progressed since.

I think we have an exciting year ahead of us, with hopefully more innovation and research developments to report in newsletters during 2021. This newsletter mostly reflects the significant training activity at NIAW over the last few months but there is so much more going on behind the scenes. This is illustrated particularly by our collaboration with Collective Minds and our work with Point of Care Ultrasound, based on works started well before the pandemic. If we are able to take advantage of just some of the opportunities in research, innovation and training, working with new and established partners, it is going to be a hectic few months going forward.

I am particularly proud of our team, enabling the Academy to adapt and flourish since we opened and incredibly during the pandemic. Furthermore, I'd like to welcome Natalie to our Academy Management Team, joining Victoria, Steve, Katie, Hannah, Ella and our fantastic Academy Consultant and Sonographer Trainers.

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Innovation and Research

COLLECTIVE MINDS



2020 has been a year unlike any other, with the COVID pandemic changing the way the world works on a global scale. Here at the Academy, we have had to adapt and adjust to meet the requirements of the services we provide.

The FRCR 2B revision course is one of our most popular courses, and is always full to capacity. During this time of social distancing, hand sanitiser and facemasks, we have had to think of a way to continue with this important course in a safe manner, whilst still offering the same high-quality experience.

Collective Minds is a radiology collaboration platform for consultation, education, research and clinical audits. Collective Minds is currently used across several European hospitals, medical universities, radiology societies and subspecialty groups to provide online/virtual radiology for collaborative consultation with peers across the world. Educationally, it provides an excellent facilitator for viewing and interacting with Radiology images through courses, training events and webinars. NIAW have deployed the Collective Minds platform to provide FRCR 2b courses as well as other radiology educational initiatives. Collective Minds is utilised for the rapid reporting and long case components of the course. The collaboration with our Team, particularly Dr Tishi Ninan and Steve Buckle, have enabled full PACS image manipulation and scrolling capability for examination simulation, an excellent solution given the current climate.

“We are very grateful that we during early 2020 got the opportunity to collaborate with the NIAW to build- and provide virtual radiology training. All the feedback and insights that the partnership have generated so far have been very valuable and helped us to further improve and develop our services, and we look forward to continue to innovate in radiology education together with NIAW throughout and beyond this pandemic.”

Fredrik Illerstrom – Collective Minds Product Manager

This collaboration is an innovative new approach to delivering the FRCR course virtually and one we are excited to develop further as we move into 2021.

www.cmradiology.com/home



Collaboration

FAMUS (Focused Acute Medicine Ultrasound)

Acute Medicine as a specialty improves the precision of the initial assessment, accurately diagnosing and managing patients with a wide spectrum of clinical problems presenting acutely to hospital. FAMUS is a Point of Care Ultrasound (POCUS) accreditation process designed for assessing the acutely ill medical patient. This formal accreditation is endorsed by the Society for Acute Medicine, the Royal College of Radiologists, the British Medical Ultrasound Society and the National Clinical Director for Diagnostics.

“
The future is
certainly bright for
POCUS with the
Academy on board

Eugene Tabiowo, Consultant in
Acute Medicine

“The Focused Acute Medicine Ultrasound (FAMUS) working group on behalf of the Society for Acute Medicine are delighted to be working closely with the National Imaging Academy of Wales on developing point of care ultrasound training resources and programmes, with the aim of improving access to POCUS across Wales for all clinicians.”

Nick Smallwood - Chair FAMUS Working Group

“Point of Care Ultrasound is increasingly becoming an important adjunct to clinical practice at the front door, however, training pathways to become accredited in Wales are difficult to engage with for a trainee. In Acute Medicine, Focused Acute Medicine Ultrasound has been established as an acceptable accreditation pathway to become competent in point of care ultrasound. The Academy have been incredibly supportive and positive with their collaboration with FAMUS in the continued development of a training pathway for trainees in point of care ultrasound. This development is at its early stages but aims to increase the pool of supervisors able to deliver POCUS training and also streamline the training for trainees to gain a trusted accreditation under its guidance. With the Academy’s state of the art facilities and equipment, running POCUS courses at the Academy is an incredibly positive experience that infuses enthusiasm to learn through a carefully structured and professionally delivered atmosphere and programme.”

Eugene Tabiowo - Consultant in Acute Medicine

We will be running this course for the first time this year, having already facilitated a Supervisor course in 2020 - please keep your eyes on our website and social media for the announcement.





Collaboration

Prostate Cancer UK – mpMRI & The Academy

Prostate Cancer UK have made it their ambition to make sure that every man with suspected prostate cancer is able to have an mpMRI scan before a biopsy by 2020.



Prostate Cancer UK is already collaborating with hospital trusts in England, Scotland and Northern Ireland to reach this goal. However, the widespread adoption of the pre-biopsy MRI has been slower in Wales due to a lack of resources and the complexity of the technique. Prostate Cancer UK have been working closely with the Welsh Government and the Public Health Wales to overcome the problems and provide solutions.



“There is wide variation in the diagnostics pathway for men with suspected prostate cancer across Wales. Health Boards in Wales have made substantial progress over the last eighteen months with implementation of multi-parametric MRI prior to biopsy following the publication of updated NICE guidelines on the diagnosis and management of prostate cancer in May 2019, however there is more work to be done. The Prostate Cancer Diagnostics Pathway Group in collaboration with Prostate Cancer UK and the National Imaging Academy Wales is working towards minimum standards for the service including a package of support for training and mentoring radiologists undertaking multi-parametric prostate MRI reporting. Our aim is to help develop and maintain a high-quality diagnostics service that would be hugely beneficial for our patients across Wales.”

Dr Balan Palaniappan – Consultant Radiologist / NIAW Trainer

NIAW are working alongside National Imaging Programme Strategy Board and Prostate Cancer UK, as members of the Prostate Cancer Diagnostic Pathway Subgroup. Its aims are to standardise training & practice in prostate cancer diagnostics across Wales and look forward to establishing dedicated mpMRI training in Wales.

As part of this collaboration, Prostate Cancer UK & Report and Image Quality Control (RAIQC) are supporting clinicians across the UK with a free, interactive training platform that supports the development of radiologists in reporting prostate mpMRIs. The system is easily accessible and emulates radiologists systems they work on every day. It enables Radiologists to regularly practice their reporting skills and is designed to gradually build their expertise. Providing immediate feedback from expert Uro-Radiologists, the platform is designed to build confidence in ruling some men out of biopsy and enhances ability to report complex cases.

Please visit our website for more information:

<https://www.imagingacademy.wales/collaboration/prostate-cancer-uk-mpmri-niaw>



Training

Currently, we are fully open and running our training scheme as normal using a combined learning approach of face-to-face sessions at the Academy and virtual sessions.

RCR Clinical Oncology and Clinical Radiology Examinations



The Royal College of Radiologists (RCR) had to explore new ways to organise the autumn examinations due to the ongoing pandemic. NIAW were asked and were selected as an authorised examination centre, with some members of our team becoming RCR trained invigilators.

The Imaging Academy has welcomed candidates from across the UK and following the success of delivering these examinations, we have been booked as a venue for 2021 examination dates. We are very pleased to be able to be an established examination venue NIAW and are proud of how well our trainees and staff did throughout these autumn examinations.

Here is some feedback received from candidates who sat their exams with us recently:

"Being able to take my exam at the academy meant I didn't have to travel the day before to the venue, I could travel from home. It meant I was better rested and could spend the day before the exam revising, rather than travelling. This really helped me boost my confidence, particularly as I was resitting an examination that I had previously failed.

The Academy as an examination venue was professional, clean and more relaxed/intimate than the previous venue. Where I had sat the examination before, several organisers had to herd many nervous candidates into one of many computer rooms. The experience was chaotic, frenetic and rushed. In the academy, a fewer number of candidates sat in the same room and the set up was much more relaxed. Because of this, I felt calmer and more composed sitting the examination. And perhaps, for this reason, I passed the exam."

Dr Benjamin Rothschild-Pearson –
Clinical Radiology Registrar / NIAW Trainee

"It was my first visit to the Academy when I came for my exam. I thought it was a great venue to host the exam. It is geographically convenient, has an excellent IT set up and the staff were friendly and accommodating."

Dr Craig Barrington -
Clinical Oncology Registrar

"It was a good experience having the exam at NIAW. Well organised and well equipped. Having the exam nearby prevented so much extra hassle".

Dr M Ghali Salahia –
Clinical Radiology Registrar / NIAW Trainee

"The academy is hugely convenient and cost effective to conduct the exams, it will also reduce unnecessary pressure and stress, especially surrounding the practicalities of travelling long journeys before an exam. Familiar surroundings when doing the exam in the academy will also help calm exam nerves."

Dr Sarah Anane-Adusei –
Clinical Radiology Registrar / NIAW Trainee

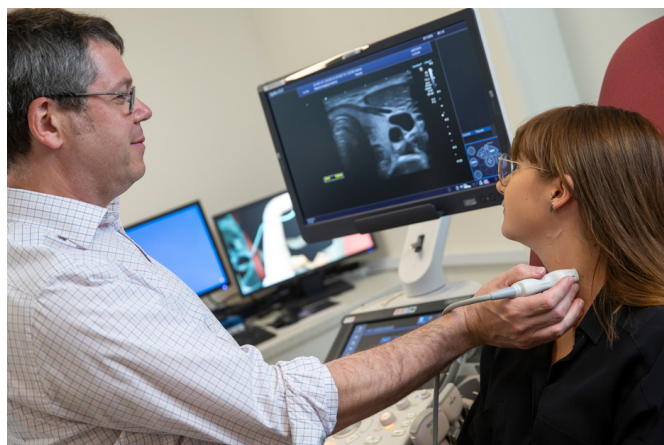


Training

Ultrasound Patient Lists at The Academy

The academy started imaging patients in August 2019, providing South Wales Radiology trainees a practical training opportunity in a protected environment in which is an excellent enhancement to training at hospital radiology departments. Ultrasound is always busy at Radiology departments but now there have been added pressures from the pandemic with increased appointment times to provide COVID-19 safe environment and postponed appointments during national and local lockdowns. It is excellent that we have restarted our patient lists to help ease the pressures on ultrasound training and enable first year South Wales Radiology registrars to learn from our Academy sonographers.

We have two passionate Sonographers, Ceri Kasprzyca and Julia Kennedy, who are very willing to pass on all their knowledge and expertise to everyone willing to learn. We currently run patient lists one day a week and are looking to increase the list numbers in the future.



100% of patients are completely satisfied with the care they received during their ultrasound examination

100% of patients found the Academy facilities comfortable

“As a Sonographer within the NHS, I feel it is extremely important to pass on the ultrasound knowledge & skills acquired through many years of experience, as the current trainees will be looking after us in our old age, a great motive! The Imaging Academy is an ideal setting to undertake this ultrasound teaching, training and supervision, with state of the art facilities such as body phantoms with programmable pathologies, access to referred patients from Radiology in Princess of Wales Hospital, high end quality ultrasound equipment and availability of RadIS. To facilitate the ultrasound training, patient lists are geared to the competence of the trainees. The trainees can then be given 1:1 attention with less pressure to complete a certain number of patients in a given time as in a clinical setting. From a personal point of view at the Academy, I am also still acquiring new ultrasound knowledge, such as COVID lung ultrasound during the pandemic. I thoroughly enjoy the challenge of assisting a medical professional who has never even held an ultrasound probe, to become a clinically competent and confident Sonographer, whether it be a Doctor, Radiographer or Midwife.”

Ceri Kasprzyca – Academy Sonographer



Events

Lung US Training

During the COVID-19 pandemic we were able to use ultrasound simulation to train practitioners to diagnose COVID-19 on lung scans. We pursued a blended learning approach and combined online presentations followed by a dedicated training session on the BodyWorks Eve POCUS simulator in a COVID safe environment.

The course was available to all experienced US practitioners within NHS Wales and we were able to safely facilitate the training of 67 clinicians during the pandemic.

We are restarting the lung US training, further details along with registration information can be found via our website.

“

Best hour of ultrasound teaching I have had and fantastic simulator

“

Brilliant one-on-one tutoring, patient, clear instructions. I felt confident and knowledgeable at the end of the session.

%

79.8% of clinicians have used the skills learnt with non-COVID patients

%

57.9% of clinicians have since used the training with COVID patients

<https://www.imagingacademy.wales/ultrasound-lung-training-sessions>

EM Radiology Induction Course

Between November 2020 and February 2021, we successfully and safely hosted 4 dates for our Emergency Medicine introduction course. The course is open to all clinicians who might benefit from assistance in the interpretation of Emergency Department plain radiographs and supports learning through interactive image interpretation lectures and case reviews - all in a COVID safe environment.

We have received excellent feedback from candidates and 100% of candidates would recommend the course to others.

"I really enjoyed the course. The teaching was excellent . It was particularly useful to learn tips and tricks on synapse and to practise the interpretation of lots of different radiographic images. Thank you."

Anonymous feedback from a February 2021 attendee



Events

FRCR IIb Revision Course

In December 2020 and February 2021, we hosted our 2-day revision course for candidates sitting the FRCR 2b radiology examination. The revision course comprises of 2 components:

- Candidates have Viva sessions with experienced Radiologist “examiners” delivered via Microsoft Teams as this imitates the current exam format. Candidates view the shared examiner’s images, and “take control” of the mouse whilst talking through the cases.
- Candidates also complete Long Case and Rapid Reporting Case components of the mock examinations via Collective Minds which are marked during the course. Candidates receive results with feedback emailed directly to them alongside group feedback sessions at the end of each day.

Details of forthcoming courses will be announced on our website:

<http://imagingacademy.wales/>

“
Excellent tutors and
excellent cases.
One of the best
VIVA sections of a
course I have
attended

December 2020 attendee

“
Excellent course
which is good for a
realistic ‘mock’ of
the 2B exam.

December 2020 attendee

UPCOMING COURSES, EVENTS & OTHER EDUCATION

FAMUS Course	May 2021
EM Radiology Induction Course	May 2021
FRCR IIb Revision Course	May 2021
FRCR IIb Revision Course	Sept 2021
Chest X-Ray	Sept 2021
CT Colonography Course	Coming 2021
Lung US Training	Ongoing
3D Printing Workshop	TBC

ONLINE LEARNING

BIR Radiation Safety Training	March 2021
NVIDIA AI Training	May 2021

If you are interested in joining our communications list, please fill in the following form:

https://docs.google.com/forms/d/e/1FAIpQLSfWKtUG3DAnjPq8oJ73o1pfljw2mBlmAZzGt3ys4PKg6Pmm8w/viewform?usp=sf_link