

NIAW CXR Interpretation Course during COVID-19 pandemic



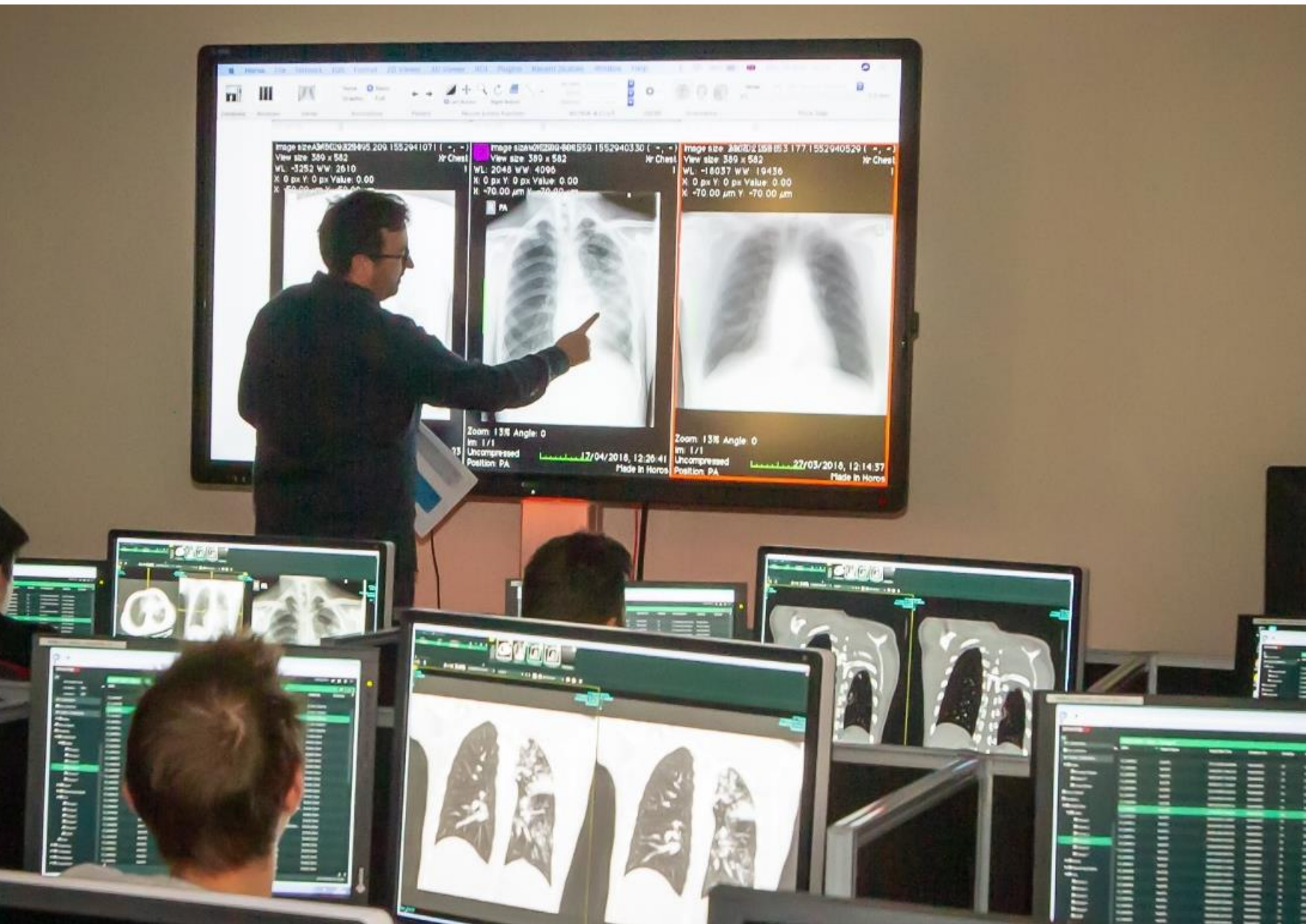
Academi Ddelweddu
Genedlaethol **Cymru**
National Imaging
Academy **Wales**

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National Imaging Academy Wales - www.imagingacademy.wales [@imagingacademy](https://twitter.com/imagingacademy) [Linked in](#) **Imaging Academy**



Chest radiography (CXR) is one of the most common diagnostic radiology examinations & is critical for diagnosis of many thoracic pathologies. Accurately detecting the presence of pathologies on CXRs is challenging but is an essential skill for junior doctors and other clinicians to inform patient management. For this reason, the CXR Interpretation Course was the first teaching/training course established by the National Imaging Academy Wales. This biannual, two-day course consisted of face to face didactic lectures, case based tutorials and image interpretation assessments, aimed at any medical or clinical practitioners who interpret CXRs, including:

- Medicine Core Trainees
- Specialist Nurse Practitioners
- Senior and Reporting Radiographers
- Emergency Medicine trainees and clinicians
- Radiology 1st Year Specialist Trainees, providing a standardised level of CXR education in their second month of training to expedite proficiency



Challenge:

How to safely deliver this vital image interpretation training during a COVID-19 pandemic.
Online & remote learning is well suited to many forms of teaching & training, some competency based skills are more effective with more formal delivery including use of equipment. NIAW needed to explore the risks and benefits of the course and establish a format that ensured the safety of all involved without compromising on the training quality.

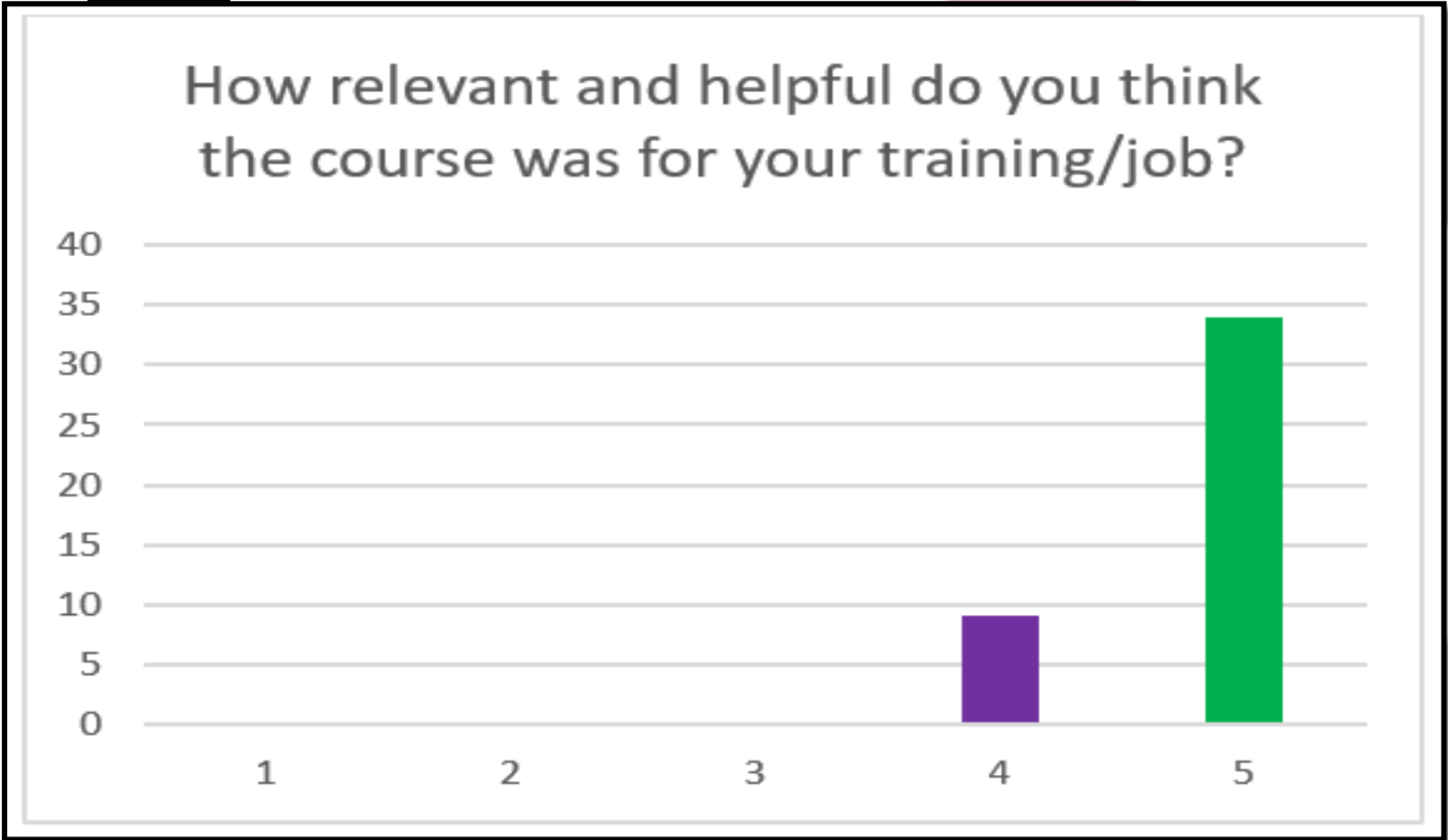
Design:

The Course Trainers carefully reviewed the course content to determine what could be provided remotely without significantly affecting the quality of the training. Presentations were recorded, using Panopto™. These were made available through Siemens Healthineers PEPConnect online platform to support one day of remote, self-directed learning for one day. This was followed with the essential case-based PACS Workstation training and tutorials onsite.

Implementation:

Course attendance was maximised with carefully managed risk assessments and safe systems of work, ensuring the safety all attendees and staff.

FIG.1



Innovation & Take-Home Messages:

Blended learning enables important training and teaching to be delivered without compromising training quality if:

- Iterative approaches to risk assessment and training delivery are employed
- Careful scrutiny of previous training content and alternative delivery methods for achievement of learning outcomes
- Online material is prepared and made available in a timely manner
- Appropriate training software is adopted
- Teamwork, Good Frequent Communication

Feedback:

The course was delivered safely with excellent course feedback (see Fig.1).

- **100% of participants found the course very or extremely relevant to their role**
- **100% of participants would recommend the training to others**

National Imaging Academy Wales		
Chest X-Ray Course		
National Imaging Academy Wales, Pencoed Business Park, Pencoed, CF35 5HY		
<ul style="list-style-type: none">You have been allocated to Group 3. Please remain in your allocated group throughout the day.You will also be allocated seating in each room. Please clean down your station after each session with the supplies provided in each room.Your group will have refreshments & lunch available in the Common Room on the first floor. Please use the central staircase to access the first floor & take the left hand corridor.		
GROUP 3		
08:45 to 09:00	Registration	Common Room, Ground Floor
09:00 to 10:30	Pulmonary pathology	Workstation 2, First Floor
10:45 to 12:15	Cardiovascular disease and review areas	iMac Workstation, Ground Floor
12:15 to 13:00	Lunchbreak	Common Room, First Floor
13:00 to 14:30	Artefacts, chest wall & upper abdominal pathology	Lecture Theatre, Ground Floor
14:45 to 16:15	Pleural, hilar and mediastinal pathology	Workstation 1, Ground Floor
16:15	Finish	