

South Wales Trauma Network

Serving the Population of South Wales, West Wales & South Powys

The aim of the South Wales Trauma Network is to enhance patient outcomes and experience, across the entire patient pathway from the point of wounding to recovery and includes injury prevention.

Major trauma interactive 360 degree immersive learning scenarios

Dr Bethan Sian Morgan (MBChB, FRCEM), Dr Sue West-Jones (FRCEM, MRCS, MBChB, BSc, Dip Med Tox, Dip Med Ed), Dr Kosta Morley (MB, BCh, MRCS, FRCEM), Rachel Taylor (MSc, BN (hons)), Emily Rogers, Angharad Walters (MSc), Dr Dinendra Gill (BMedSci, MBChB, MRCS, FRCEM, FIMC, DIP RTM, PGCert Leadership (QI))

Background

The South Wales Trauma Network (SWTN) has developed an immersive 360 degree scenario based education programme for a multidisciplinary group of staff in the initial management and treatment of major trauma patients.

Achub bywydau
Gwella canlyniadau
Gwneud gwahaniaeth



Saving lives
Improving outcomes
Making a difference

Lights, Camera, Action

Summary of work

The SWTN went live in September 2020 and there was a requirement for staff to achieve specific levels of learning. It very quickly became apparent that this would not be achieved through traditional "study days". The TREATS and Trauma Team Member (TTM) courses were developed into 4 interactive scenarios using 360 degree filming.

Summary of results

360° filming enables you to look around the room and see everyone who is part of the clinical team and using virtual reality headsets gives a true immersive experience. As the scenario plays out, learners are required to make decisions about the next aspect of care. There are also embedded clinical skills.

Anaesthetics/ITU Doctor

Airway nurse/
Anaesthetic assistant

Survey Doctor

Scribe

Patient

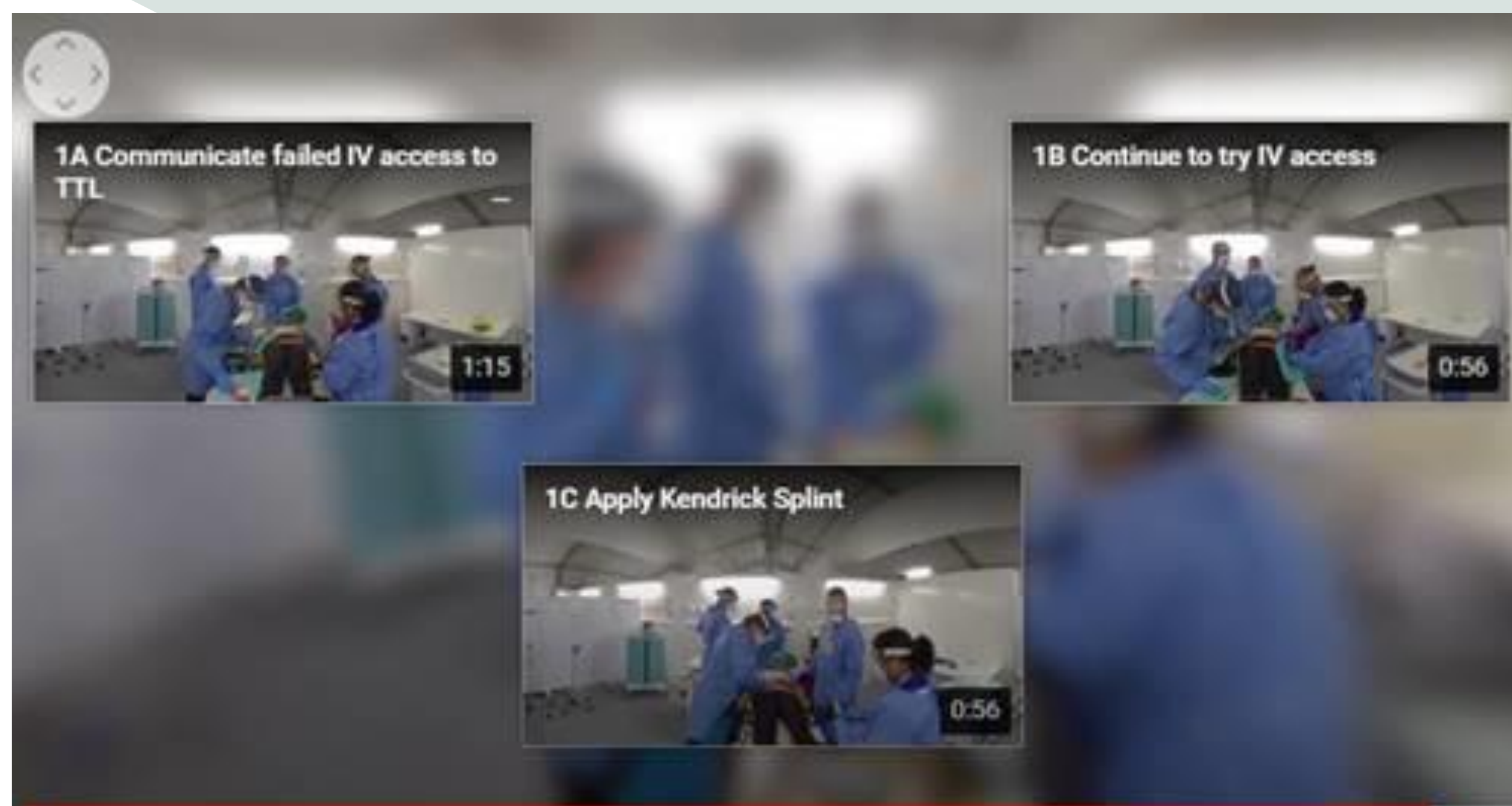
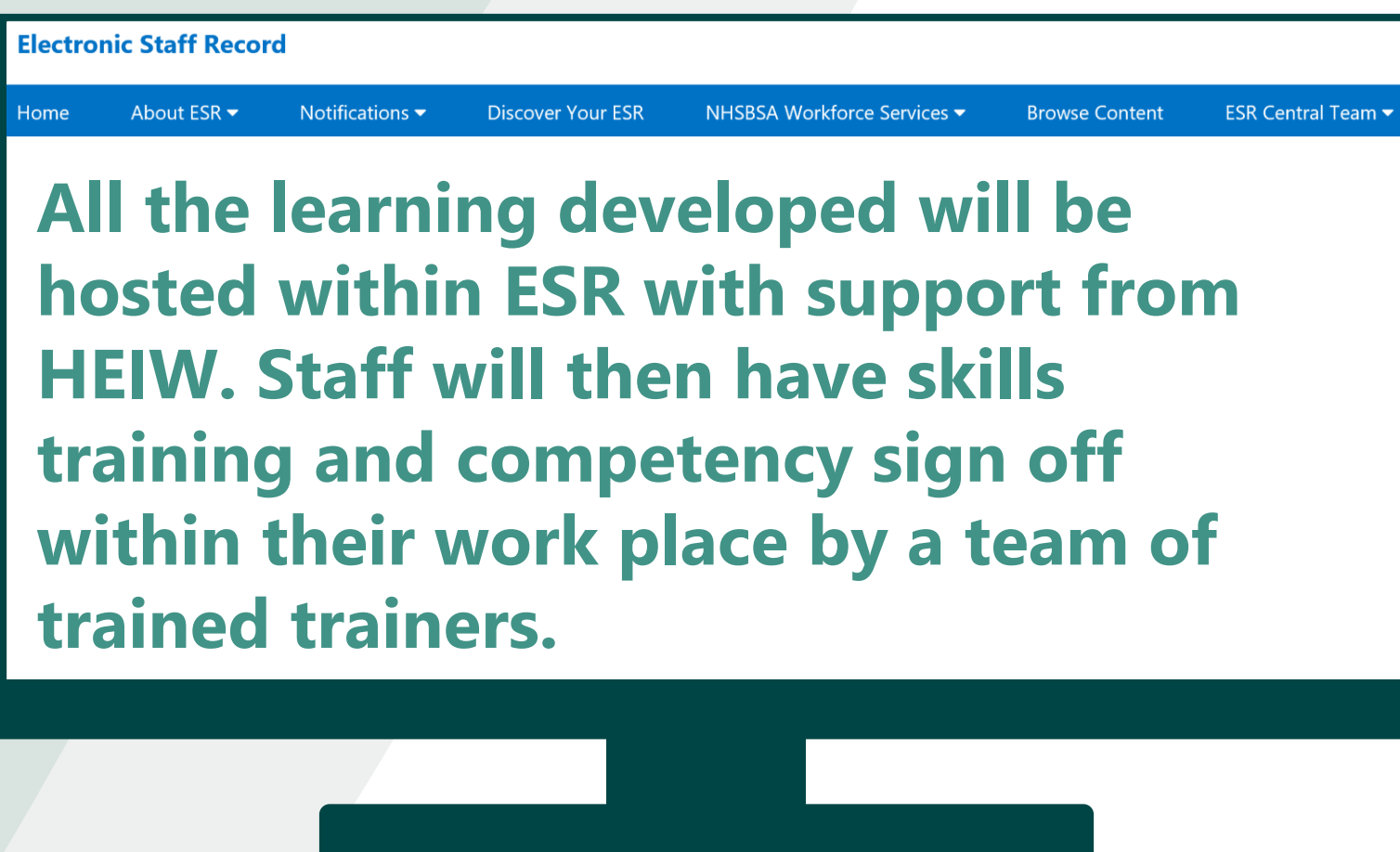
Procedures Nurse

Procedure Doctor

360° Camera

Trauma Team Leader

Nurse in Charge



Discussion and Conclusion

There are plans to further develop this work and the next learning to be developed is in conjunction with the Welsh Ambulance Service where the same 4 scenarios will be filmed in the pre hospital setting. There will then be a more in depth learning module for staff who will become trauma team leaders. These will focus on more complex decision making, human factors and communication.



Thank you to all the volunteers and the film company Media Borne for their incredible patience and professionalism whilst filming for the SWTN e-learning platform

Media
BORNE