



University Hospitals Sussex
NHS Foundation Trust

Deteriorating Patient Blended Learning Course

BACCN Conference 2023

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Critical Care Outreach Sister

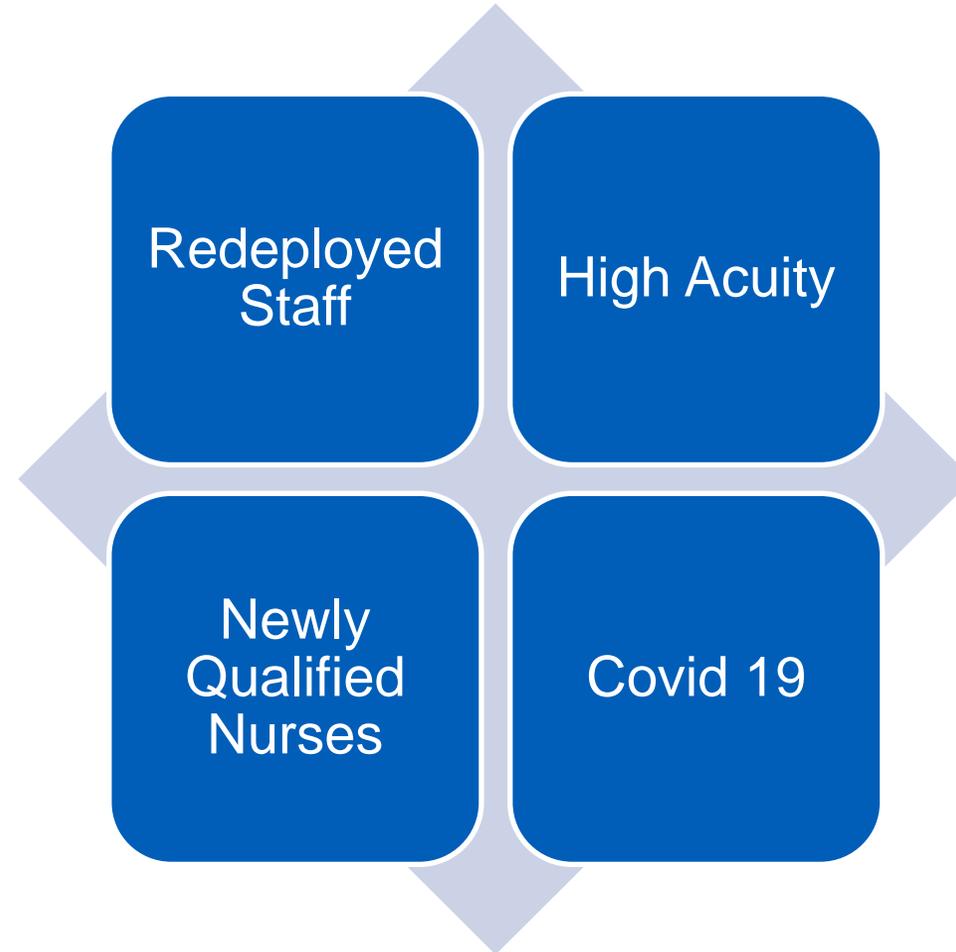
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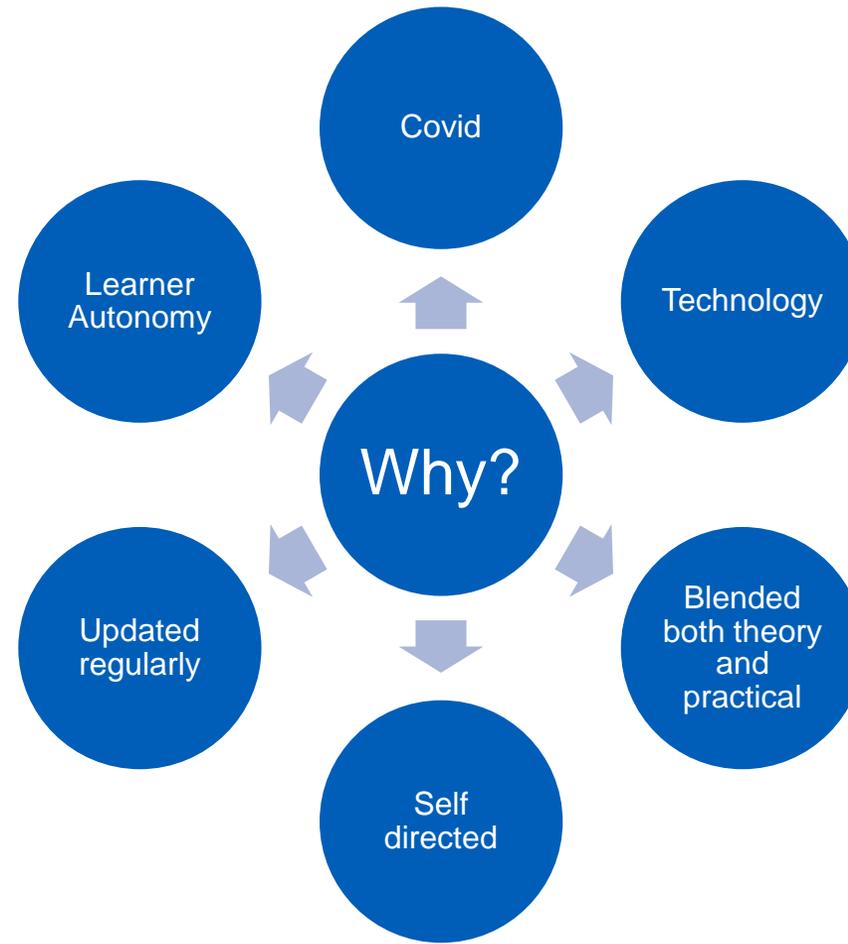
Background

- ▶ We had a 'Acute' course which was face to face teaching on the Recognition and Response to the Deteriorating Patient
- ▶ Attended by mostly NQN, new nurses to the trust or nurses working in a different area
- ▶ Covid 19 pandemic- all face to face teaching was suspended

The Clinical Context



Why?



Redesign

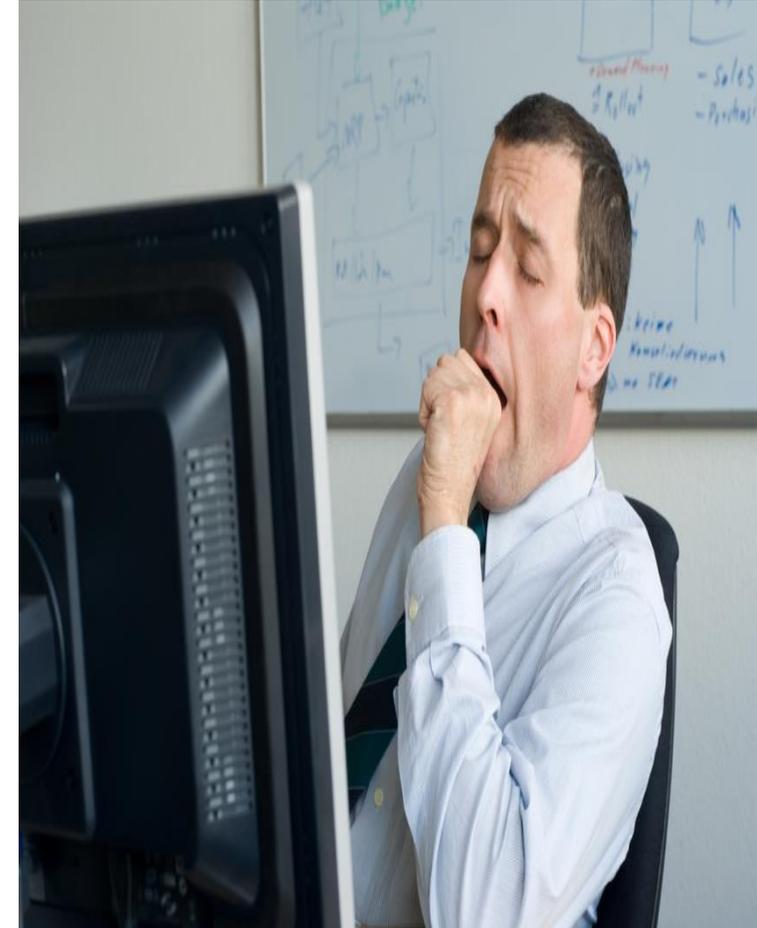
- ▶ We were unable to offer face to face teaching- we had to redesign the course as online learning (OL) so staff could access the content remotely
- ▶ Not all aspects of the course could be taught exclusively as OL, the practice of A-E assessment and SBAR handover was usually delivered through scenarios and low fidelity simulation

Blended Learning

- ▶ Blended Learning is an approach to education which combines Online Learning materials and face to face learning opportunities
- ▶ Some studies have suggested that Blended Learning produces better outcomes than traditional face to face teaching- “Blended Learning demonstrated consistently better effects on knowledge outcomes when compared with traditional learning in health education” (Vallee et al 2020)

Online Learning

- ▶ Traditionally associated with mandatory training
- ▶ Monotonous
- ▶ Lack of interaction
- ▶ Lack of protected time to complete it
- ▶ Lack of engagement

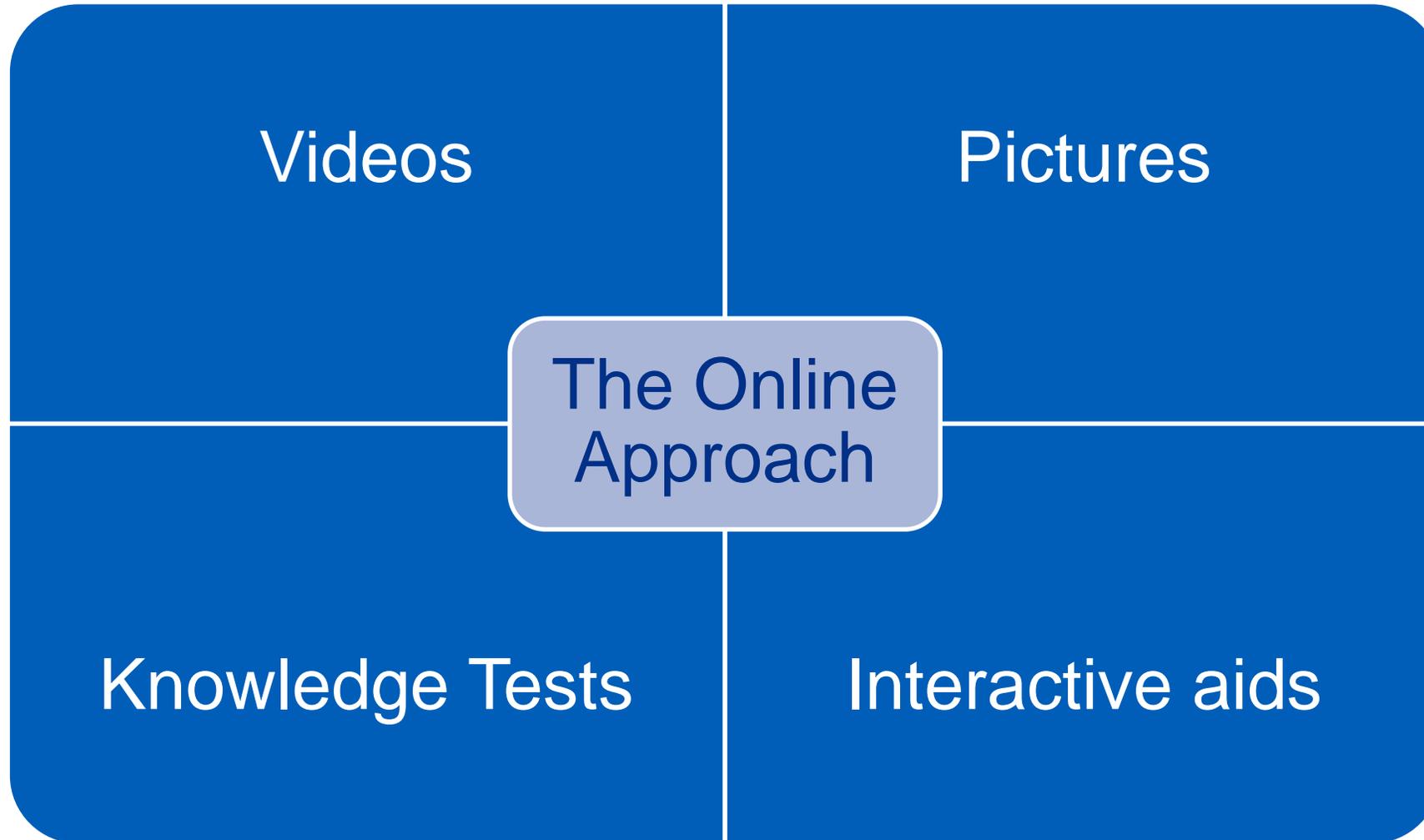


However....

No guarantee you will
get interaction from face
to face teaching either!



Making Online Interactive...



Safe Transfer and Handover of The Deteriorating Patient

100% COMPLETE

Safe transfer and handover of the deteriorating patient

The risks of transferring deteriorating patients

All patients at some point in their hospital stay will require a clinical handover and transfer, deteriorating patients are more likely to need to be transferred either within the hospital (intra hospital transfer), for imaging or specialist care needs (e.g critical care) or to another hospital (inter hospital transfer) for specialist care needs (e.g cardiac care, trauma care). The act of transferring a deteriorating patient involves many risks-



transfer of critically ill patient

- The patient is acutely ill and therefore has the potential to be unstable
- The transfer is likely to be time critical
- The patient is leaving a place of safety (a clinical area with trained staff and equipment)
- The physiology of transfer (movement) can make the patient more unstable
- Tubes, lines, drains can become dislodged
- Transfers can involve multiple handovers and therefore the loss of information
- These transfers may well be out of hours as they are often unplanned

Recognition and Response to the Deteriorating Patient- The Context

Recognition and Response to the Deteriorating Patient- The Context

100% COMPLETE

Recognition and Response to the Deteriorating Patient- th...



chain of prevention image, education, monitoring, recognition, call for help, response.

Education

Recognition of signs of deterioration, use of A,B,C,D,E approach, skills to stabilise the patient until experienced help arrives

This course!

Monitoring

Recognition

Call for help

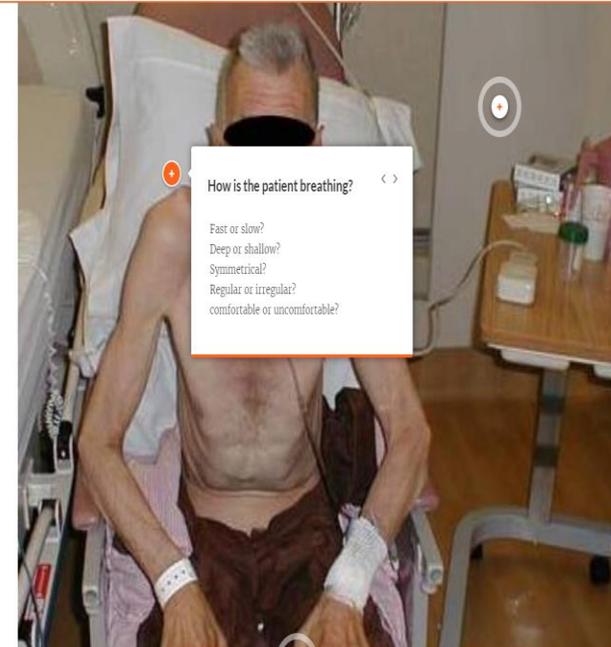
Response

Breathing Assessment & Management

Breathing Assessment & Management

100% COMPLETE

Breathing Assessment and Management



How is the patient breathing?

- Fast or slow?
- Deep or shallow?
- Symmetrical?
- Regular or irregular?
- comfortable or uncomfortable?

Circulation Assessment & Management

Circulation Assessment & Management

100% COMPLETE

Circulation Assessment and Management

Do they have pain? Where is the pain, how long has it been going on for, whats makes it better, what makes it worse, how severe is it, does it radiate anywhere?

When was the last time they passed urine?

Feel

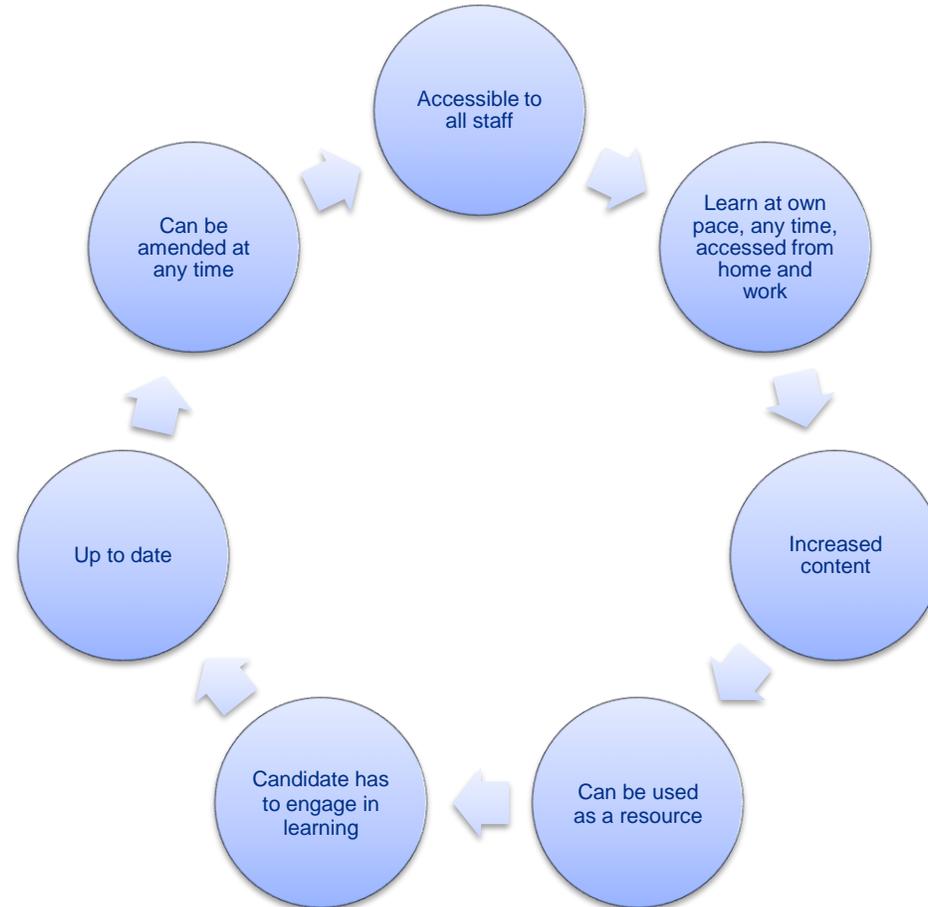


- Feel for a pulse, is it strong, weak, bounding, regular, irregular, absent
- Do a manual blood pressure if possible
- Feel the patients skin are they hot, sweaty or cold- where are they cold- peripheries or centrally- Is there a temperature difference?
- Check Capillary Refill Time (CRT) press on the patients finger tip for 5 seconds (with the hand at heart level), count how long it takes for the colour to return to normal this is the CRT, it should be less than 2 seconds anything longer indicates poor peripheral perfusion

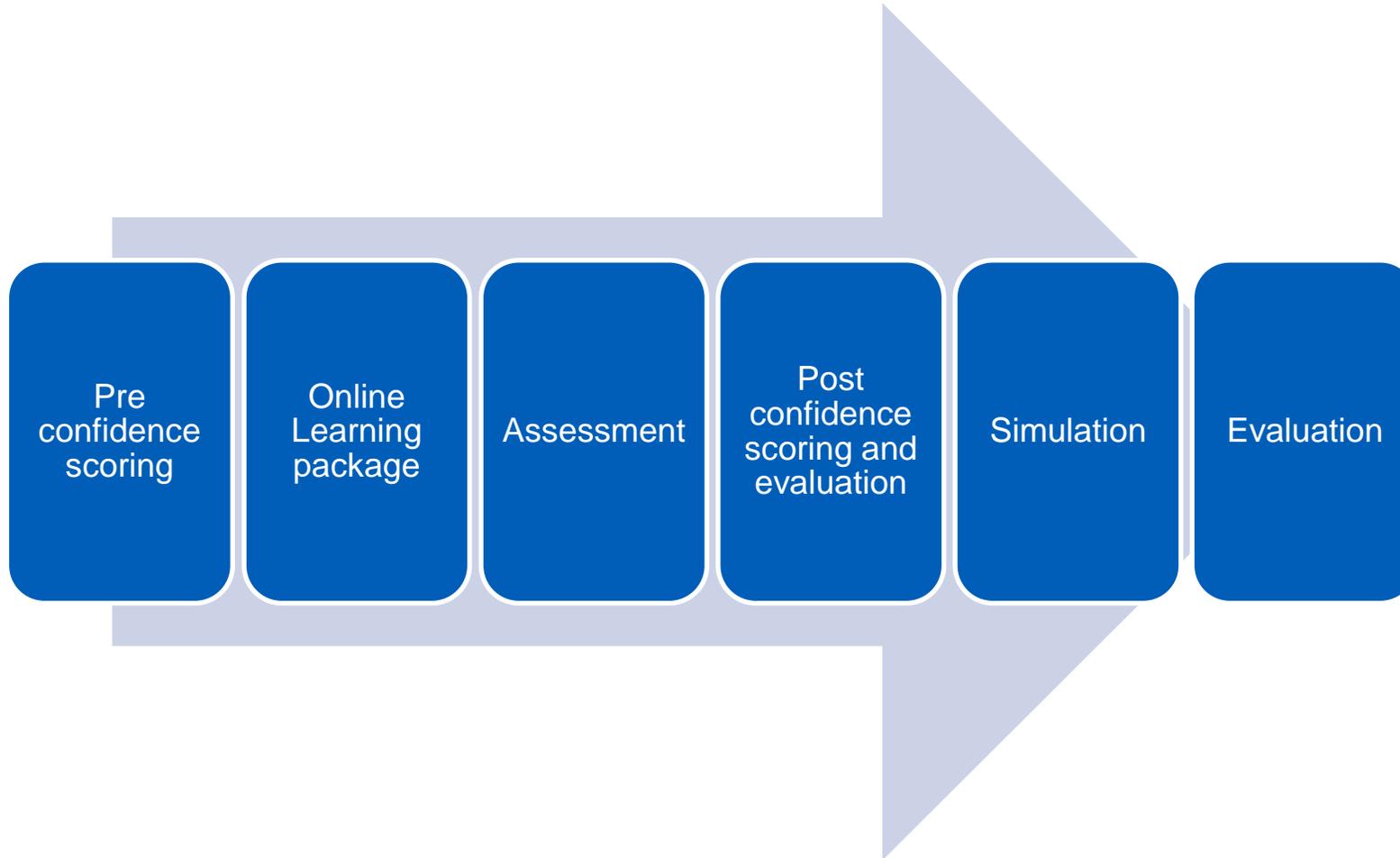
Content

Recognition and Response to the Deteriorating Patient	
Airway	
Breathing	
Circulation	
Disability & Exposure	
Communication, Team Working and Emergencies	
Safe Transfer and Handover	
Treatment Escalation Planning	

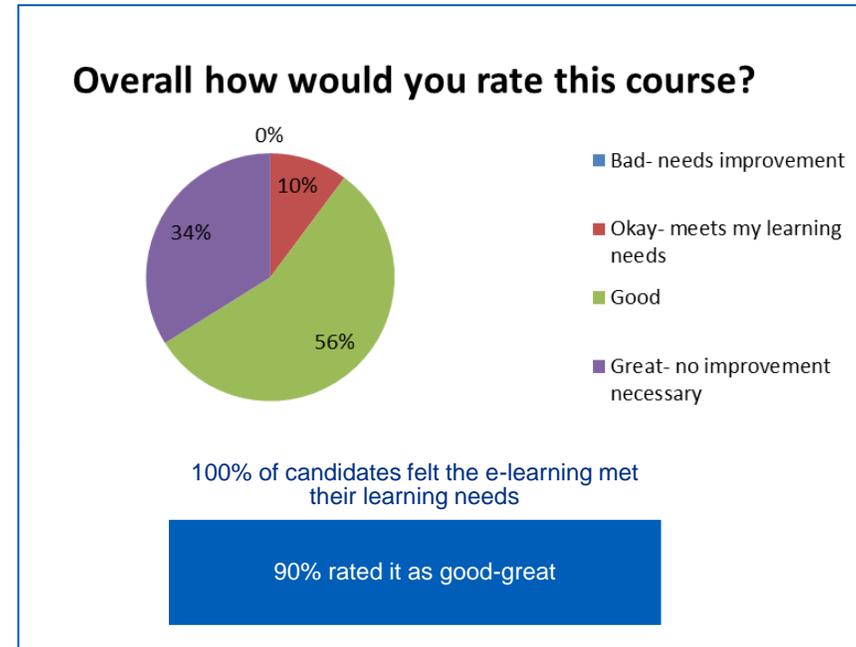
Advantages



Process to Completion



Evaluation of the Online Learning package



Feedback

- ▶ “I enjoyed the mix of videos, writing and quiz”
- ▶ “I found all the course content very useful. The course is very comprehensive and well put together”
- ▶ “An up-to-date, informative, well designed and well structured course with case studies. Summary of key pieces of information was very helpful”
- ▶ “The design and layout of the course was very eye capturing and conceptualise the interest into the program. Well done and thank you very much”

Simulation



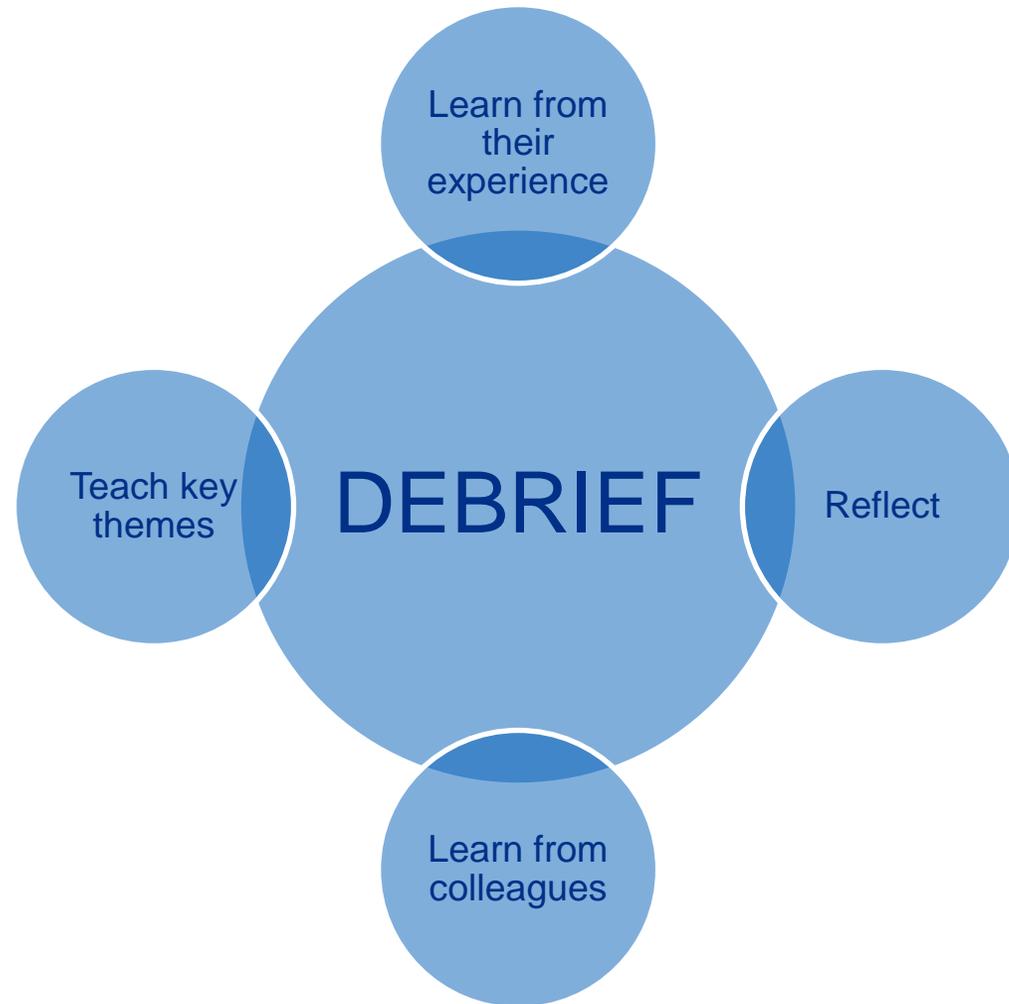
High Fidelity Simulation



Candidate Independence

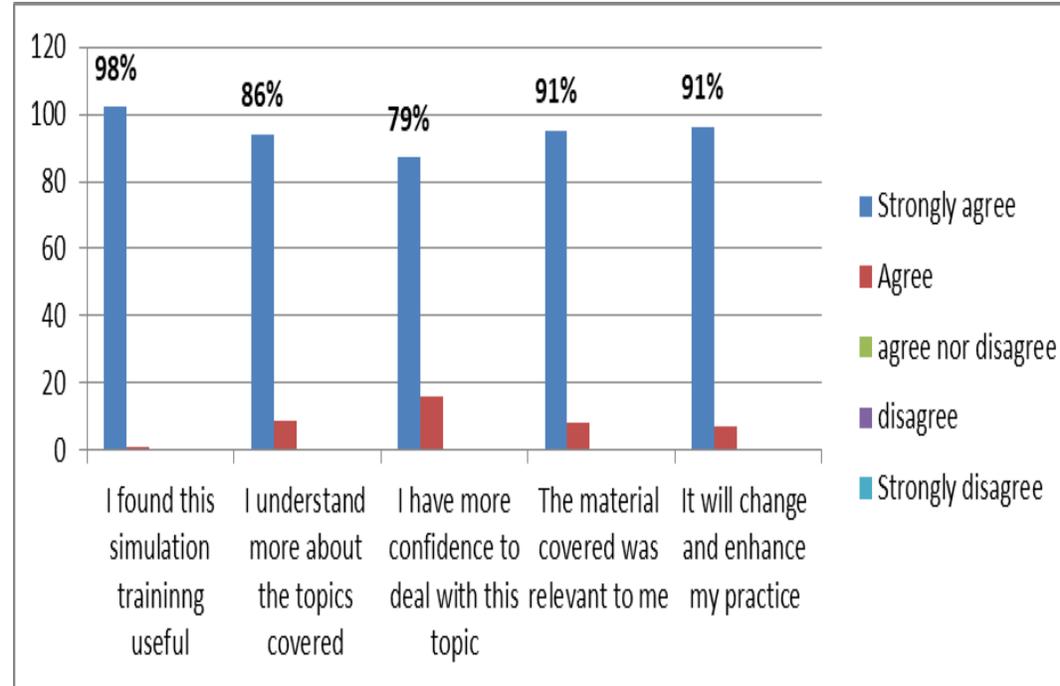
Scenarios

- ▶ Sepsis
- ▶ Transfer
- ▶ AKI
- ▶ Airway management- MET, communication team work



The Deteriorating Patient Simulations

The course is very highly evaluated, all candidates felt their confidence increased in A-E assessment and SBAR handover after completing the online learning and 100% of candidates felt the simulation would change and enhance their clinical practice.



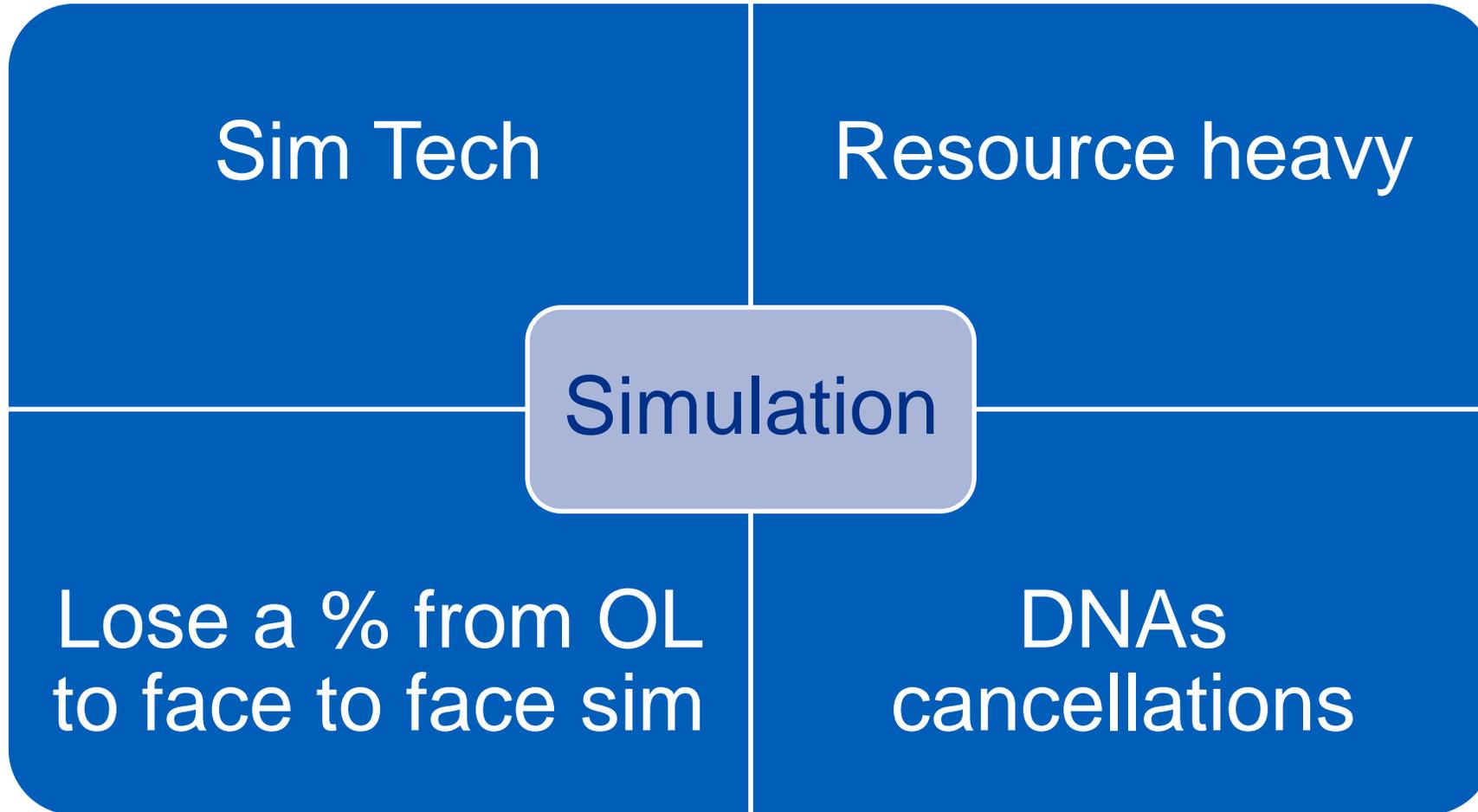
Feedback

- ▶ “Really useful session, role play is effective in learning and understanding in a practical way”
- ▶ “Overall its excellent has incorporated real life situations. Good and through feedback has been given”
- ▶ “This simulation training has given me more understanding and confidence”
- ▶ “Very informative and clinically significant”

Evaluations

- ▶ 358 completed online learning
- ▶ 170 completed simulations
- ▶ 100% Agreed-Strongly Agreed they had more confidence in managing the DP post course completion and that it would enhance their clinical practice

Issues



Improvements

- ▶ Advertised the course poster in all areas
- ▶ Support from practice educators ward managers
- ▶ Regular evaluation
- ▶ Shared evaluations
- ▶ Similar restructure of our other courses
- ▶ Post covid recovery



The Deteriorating Patient course

Now live on IRIS (Previously the ACUTE Course)



Course Content:

- Recognition and response to the deteriorating patient
- Airway assessment and management
- Breathing assessment and management
- Circulation assessment and management
- Disability and exposure assessment and management
- Communication, team working and medical emergencies
- Safe transfer and handover of the deteriorating patient
- Treatment escalation planning

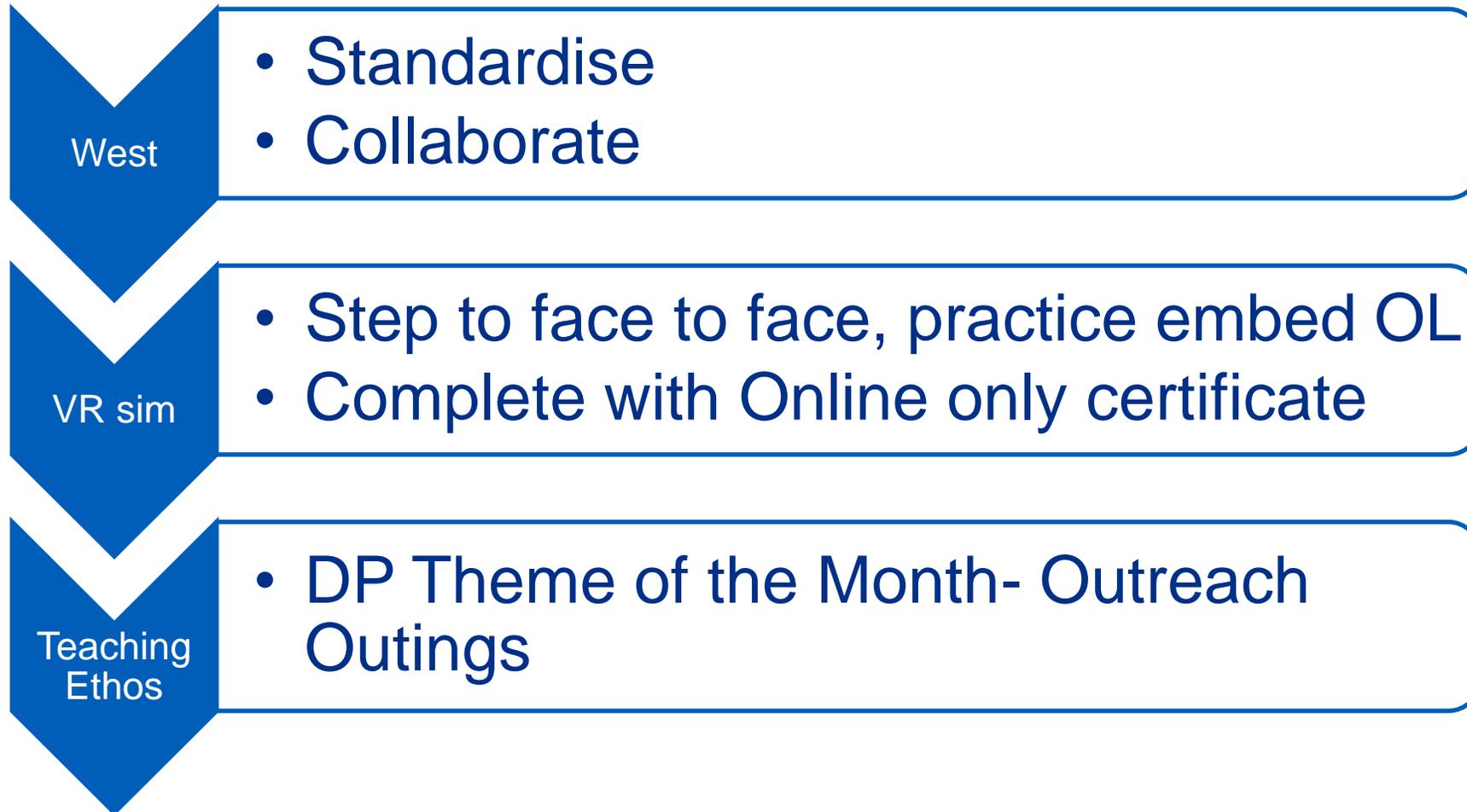
Candidates should first complete the e-Learning, Assessment and Evaluation on IRIS.
Once completed, book on to two-hour simulation sessions with the Critical Care Outreach team where you can practice what you've learnt in a supportive environment.

Check IRIS for face - to - face simulation sessions dates

For more info speak to CCOT or your Practice Educator!

Brighton and Sussex **NHS** University Hospitals
NHS Trust

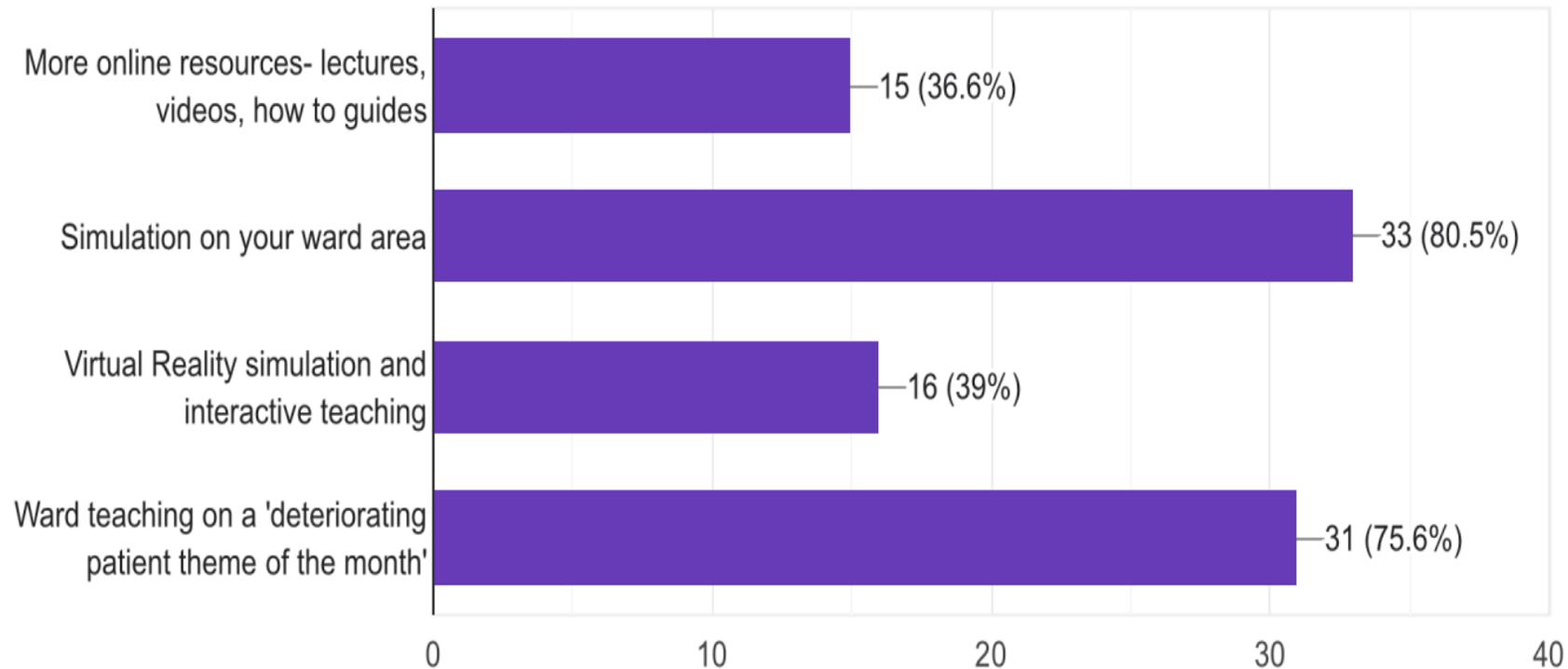
Fellowship Project



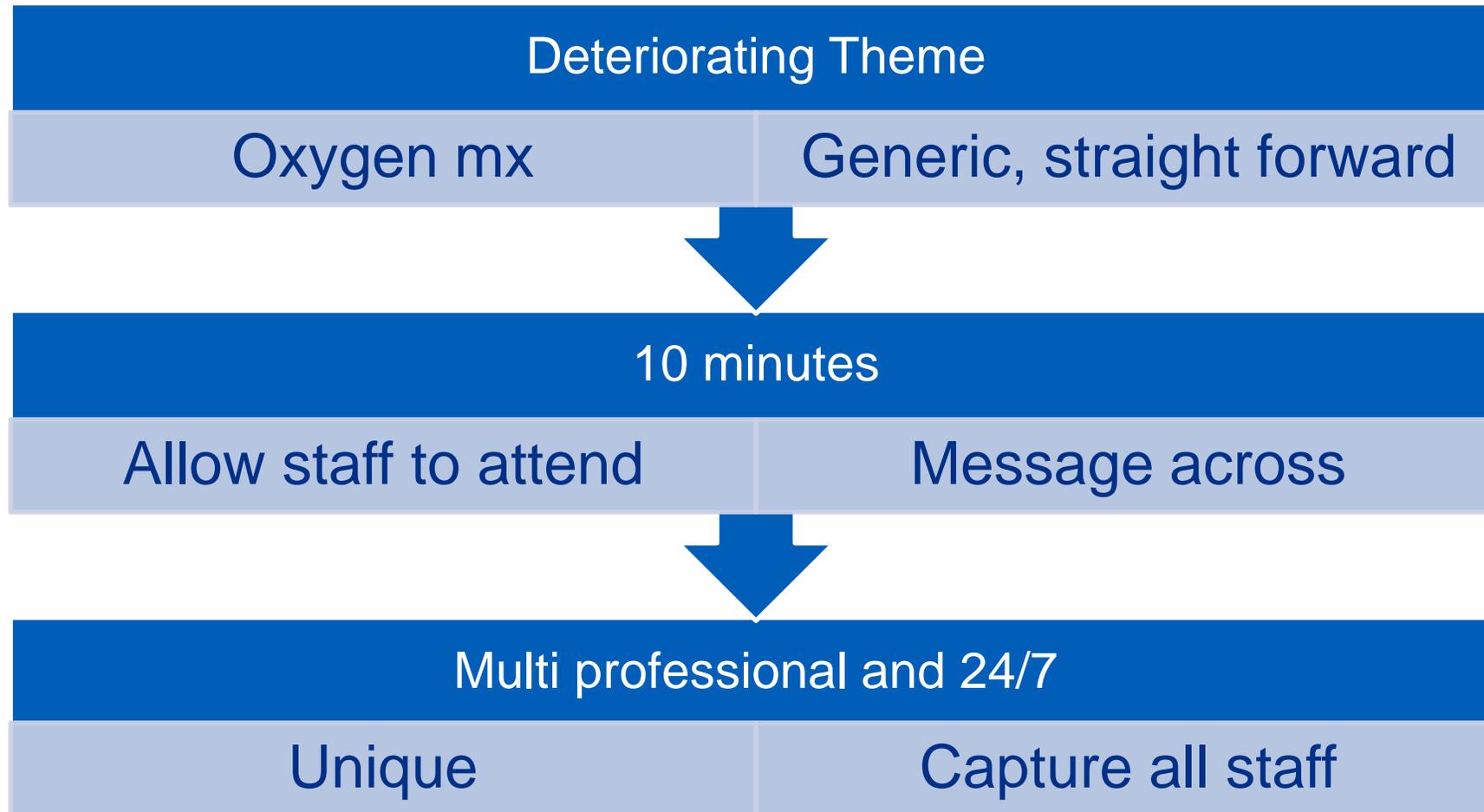
Fellowship Future Plans

What Deteriorating Patient education do you think would enhance the course?

41 responses



Outreach Outings



What is exciting/ unique?

- 24/7 so we can capture night staff
- Multi Professional
- All wards across two hospitals
- Empowering and valuing staff
- Encourage an enthusiasm for learning about deterioration



CCOT ARE PROUD TO INTRODUCE...

OUTREACH OUTINGS

STARTING 1ST JULY 2023

- We will be coming to your ward areas on any day at any time 24/7 to provide short, concise teaching on a topic.
- 10 minute sessions to maximize the staff members who can attend.
- All members of MDT welcome

TOPICS
WILL
INCLUDE



Oxygen therapy
& devices



Sepsis



AKI



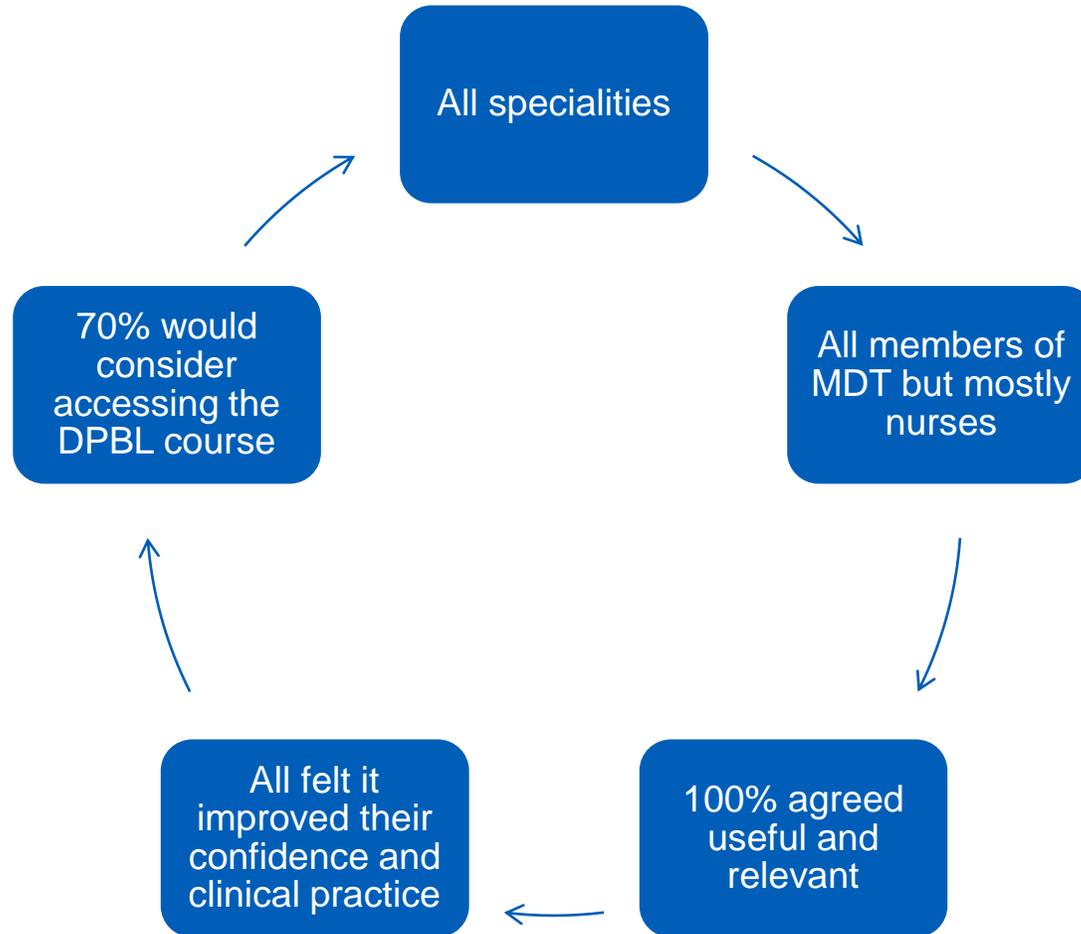
Neuro obs



Hypoglycaemia

Any comments or topic suggestions please contact
l.habberfield@nhs.net or annie.ainsworth@nhs.net

Results



Future plans

Evaluate the effect of VR
sim

Mandatory requirement

Accessible for Nursing
Assistants and Outpatients

In situ simulation and MPT
simulation

Study the clinical impact of
the DPBL course

Thank you

