

Difficult Airways Testing Latent Threats Using in-situ Simulation

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DIFFICULT AIRWAY TEAM



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The Team!

- ▶ Stephen Cutler, Senior Staff Nurse Intensive Care, Clinical Educator in Simulation.
- ▶ Mairi Stewart, Sister Intensive Care, Difficult Airway Lead.
- ▶ Kenneth Boe Krarup, Senior Consultant anaesthetist, Fellow in Simulation



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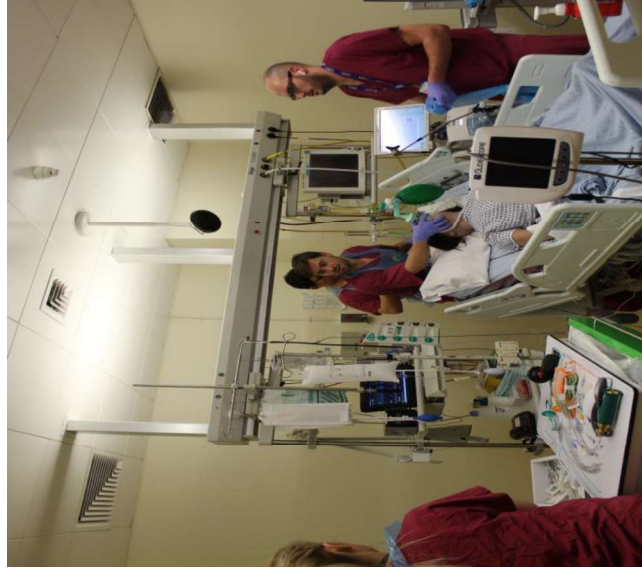


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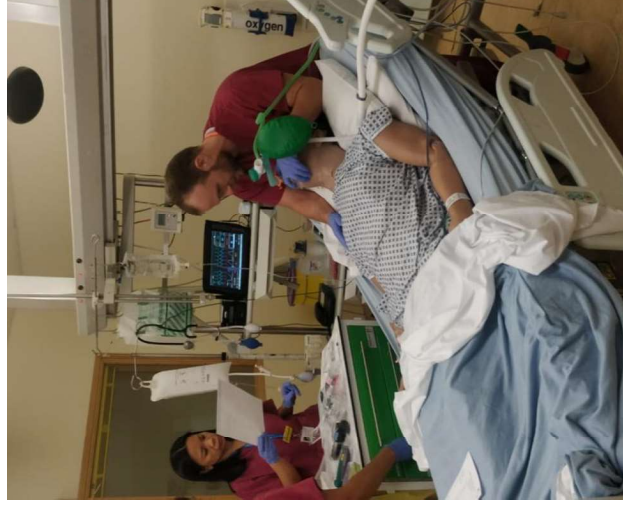
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Acknowledgements

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Outline of presentation

- ▶ **Background**
- ▶ **What we did**
- ▶ **How we reduced the risks**
- ▶ **Our findings**
- ▶ **Next steps**



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Background

- ▶ The Difficult Airway Society developed from a number of anaesthetists who met to promote the role and use of fibre optic intubation in the management of the difficult airway.
- ▶ 2014 Critical Care created Consultant lead in Airway Management.
- ▶ Introduction of Difficult Airway trolleys set up by theatres and the Airway Management plans for each patient.
- ▶ Critical Care Bundle consisting of dump sheet, checklist, DA algorithm (DAS algorithm used) and multidisciplinary training day. New Airway Trolleys.



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What we did

- ▶ We trained 35 people (MDT) across 3 ICU departments
- ▶ The same scenario (DA) on each floor
- ▶ Using real kit in real time
- ▶ We then debriefed both technical and non technical skills



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Risk Minimisation

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- ▶ A safety walk around was carried out that morning.
- ▶ Spare emergency equipment and trolleys were made available
- ▶ Safety signs were located to notify staff, patients and relatives that training was in progress.
- ▶ There was buy in from each stakeholder (Matrons, Consultants, Nurse in Charge)
- ▶ Switchboard was notified



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What we found

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- ▶ Staff were unaware of front of neck access kit
- ▶ There was too much kit on the difficult airway trolley
- ▶ Drugs took up to 19 minutes to be given from when they were ordered



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Participant feedback

- ▶ Participants were keen to be involved and gave excellent feedback
- ▶ This exercise increased knowledge and awareness of the DA Guidelines
- ▶ Participants have actually asked for more sessions



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Next Steps

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- Staff education campaign
- Reduction of kit in the difficult airway trolley
- Pre-filled emergency syringes
- More in-situ training



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References

- ▶ Jaye P, Thomas L, Reedy G, "The Diamond": a structure for simulation debrief' [2015] 12 (3)
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Thanks for your time!

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Any Questions?



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