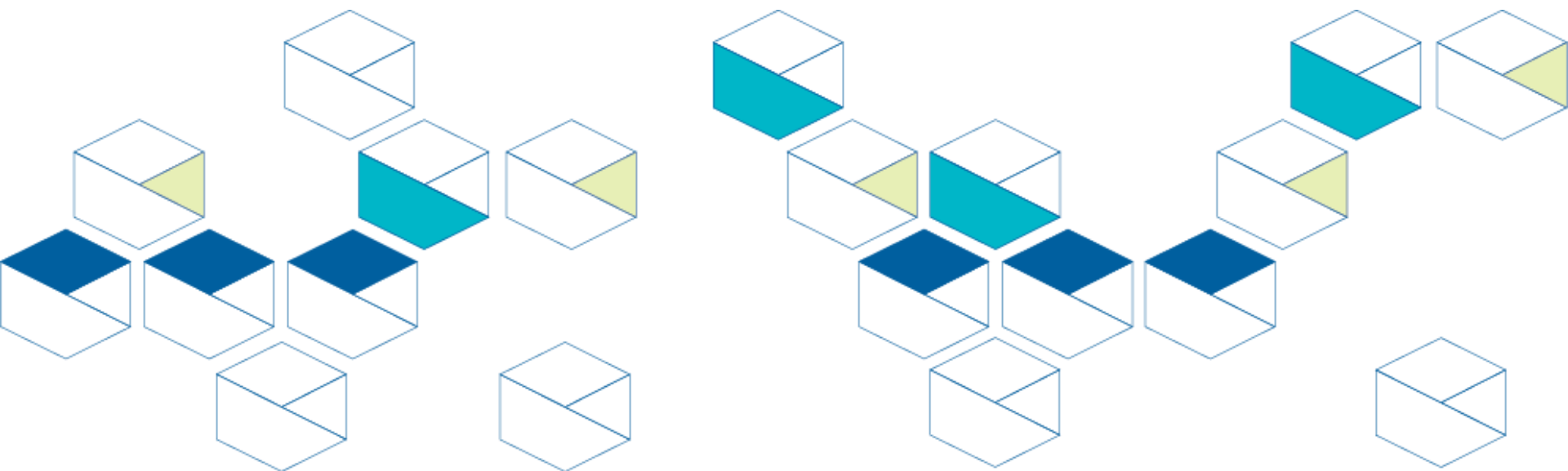




Government of **Western Australia**
South Metropolitan Health Service
Fiona Stanley Fremantle Hospitals Group

Evaluation of a Tracheostomy Safety Training Day

Katrine Nehyba, Cathy Haddock,
Sara Lennon, Kate Katsoulis, Travis Leahy,
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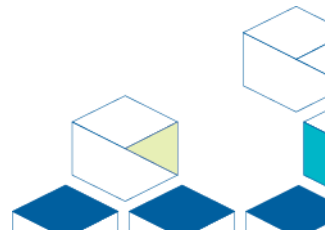


Fiona Stanley Hospital



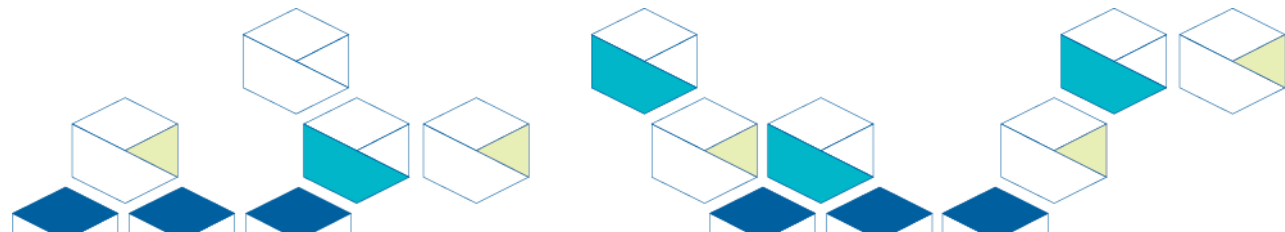
FSH – key clinical services

- Emergency (adult & paediatrics)
- State burns service
- State rehabilitation service
- Transplants – heart, lung, renal
- Cancer services
- Maternity & neonatal
- ICU (40 beds)
- Mental Health Unit



Patients with tracheostomies

- FSH Tracheostomy service
- Providing a consultative service to inpatients and the MDT
- Educational toolboxes open to all FSH Staff – Introduction to Tracheostomy Care – 129 staff rotated through this year to date
- To date – 91 patients referred to the Tracheostomy service



Tracheostomies

- Complications → morbidity and mortality (1)
- Staff training → reduction in, and prevention of, significant adverse events (2, 3)



Faculty

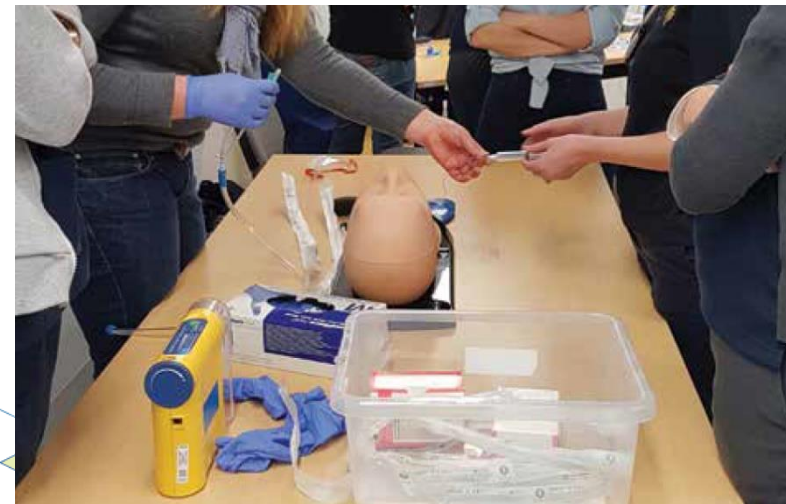


National
Tracheostomy
Safety Project

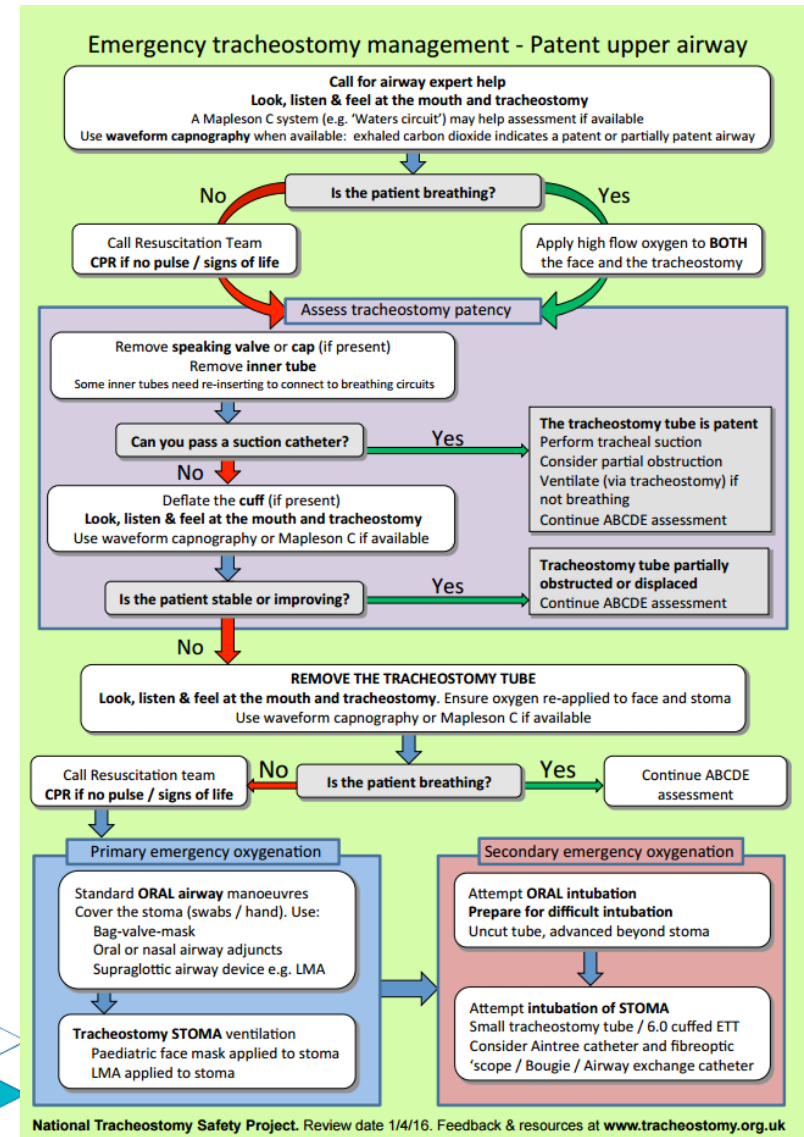


Tracheostomy Safety Training Day

Time	Session Title
7.45 – 8.00	Registration
8.00 – 8.10	Welcome
8.10 – 8.30	What's the Risk?
8.30 – 9.10	Tracheostomy Anatomy & Insertion
9.10 – 9.50	Tracheostomy Troubleshooting & Algorithms
09.50 – 10.20	Break
10.20 – 11.20	Safety Aspects of Humidification, Suction, Mobility and Weaning
11.20 – 12.20	Equipment Familiarisation
12.20 – 13.20	Lunch
13.20 – 13.30	Introduction to Simulation
13.30 – 14.50	Simulation scenarios x2
14.50 – 15.20	Break
15.20 – 16.00	Simulation scenario x1
16.00 – 16.30	Evaluation and Feedback



Simulation



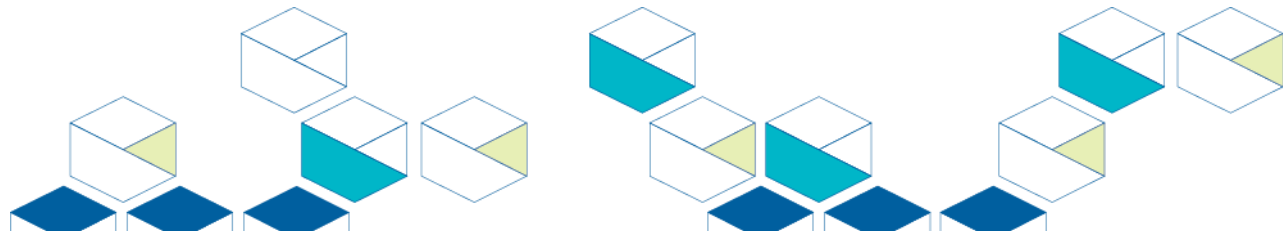
Evaluation

Questions

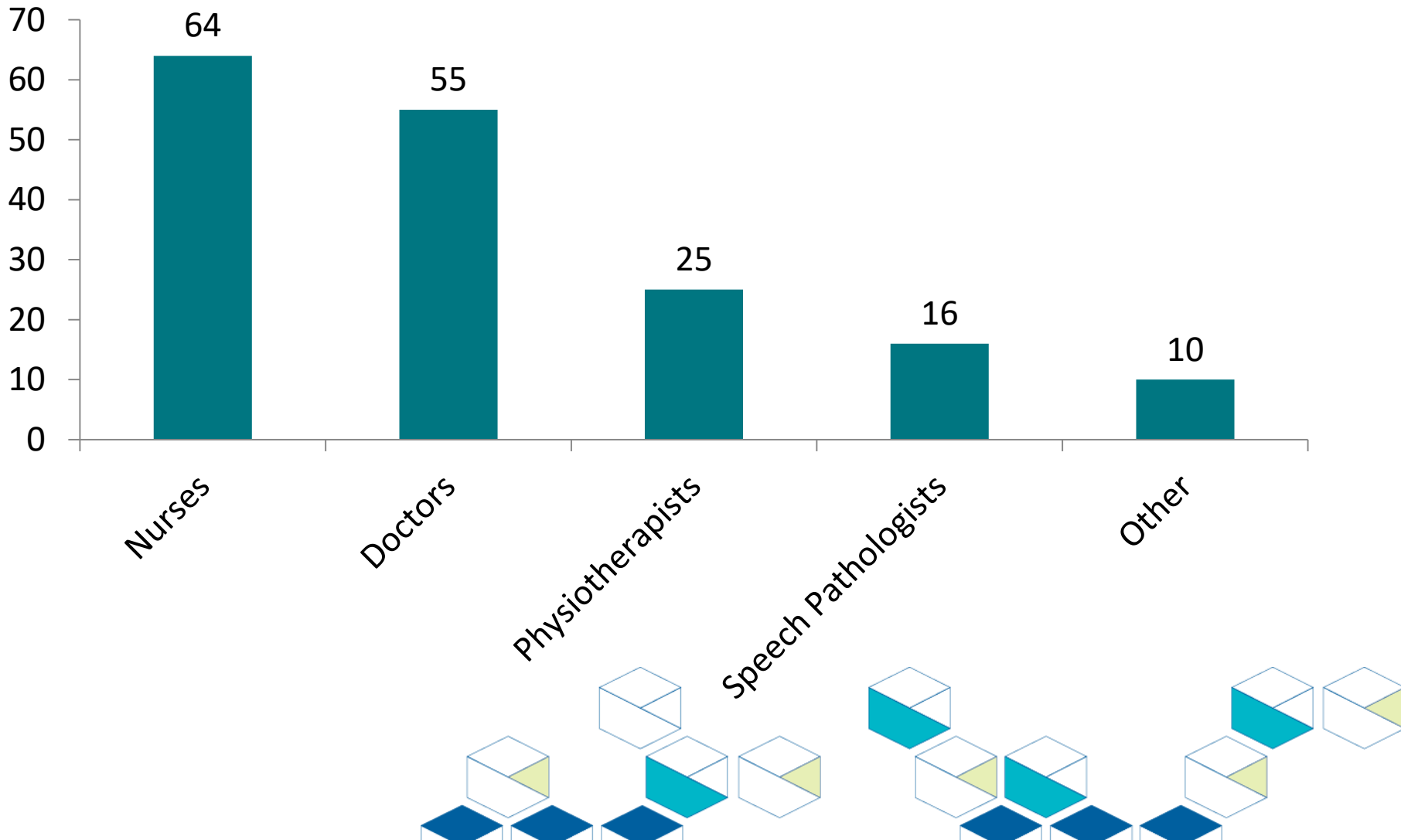
- Does the course improve participants' self-rated knowledge and skills in managing a patient with an altered airway?
- What do the participants perceive as the most valuable learning outcomes?

Method

- Retrospective mixed methods analysis of information obtained from course evaluation forms



Participants (n = 170)



Data Analysis

Quantitative

“Please rate your knowledge and skills in

- managing a bleeding tracheostomy
- managing a blocked tracheostomy
- managing a dislodged tracheostomy

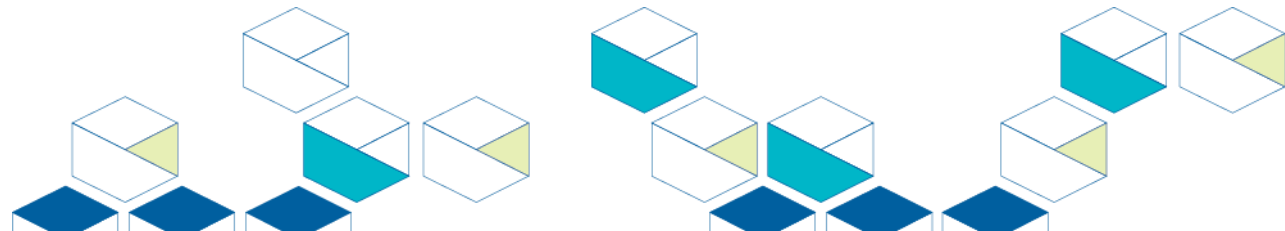
before and after attending the Tracheostomy Training Day”

Descriptive analysis, comparison

Qualitative

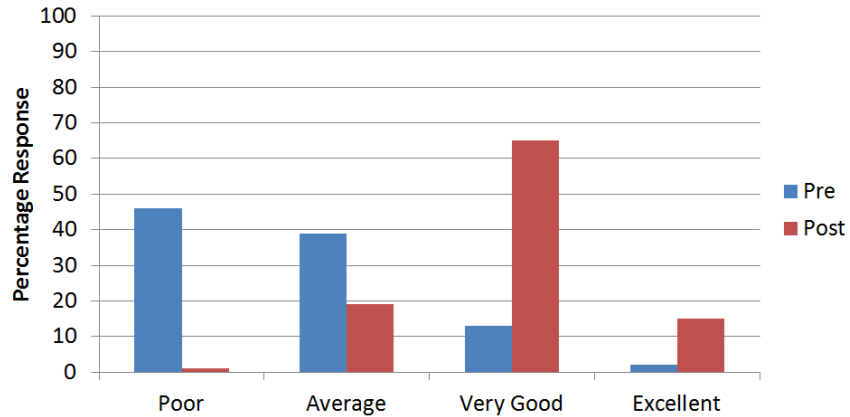
“What are the 3 most important things you have learnt from this course?”

- Content analysis – codes and categories

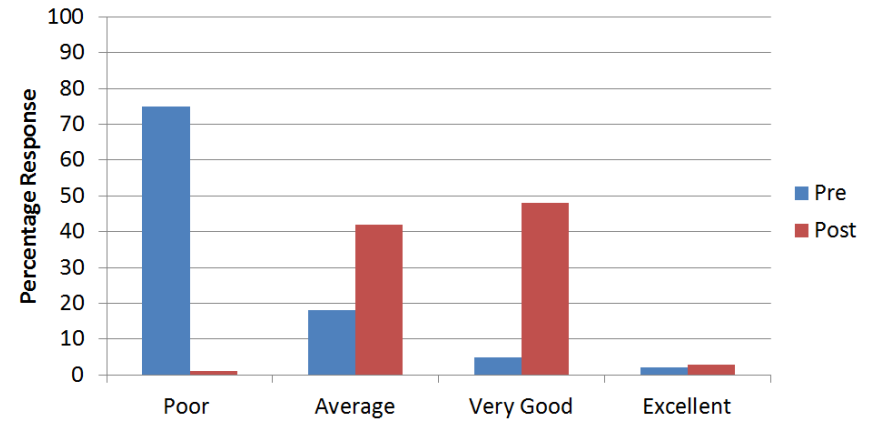


Self-rated knowledge and skills

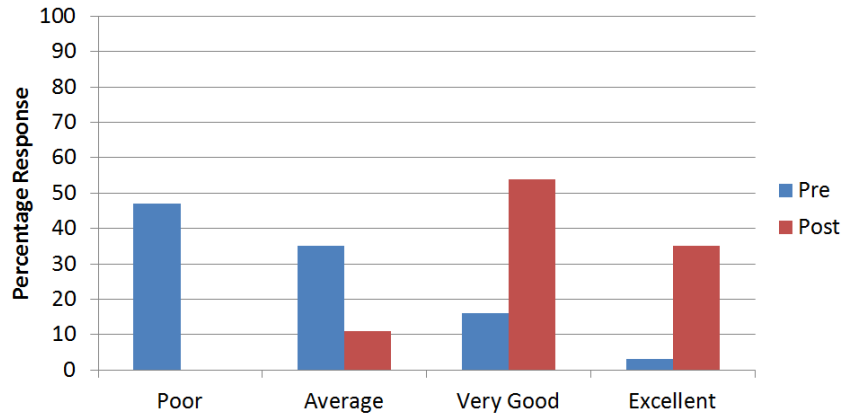
Nursing



Physio & Speech Pathology

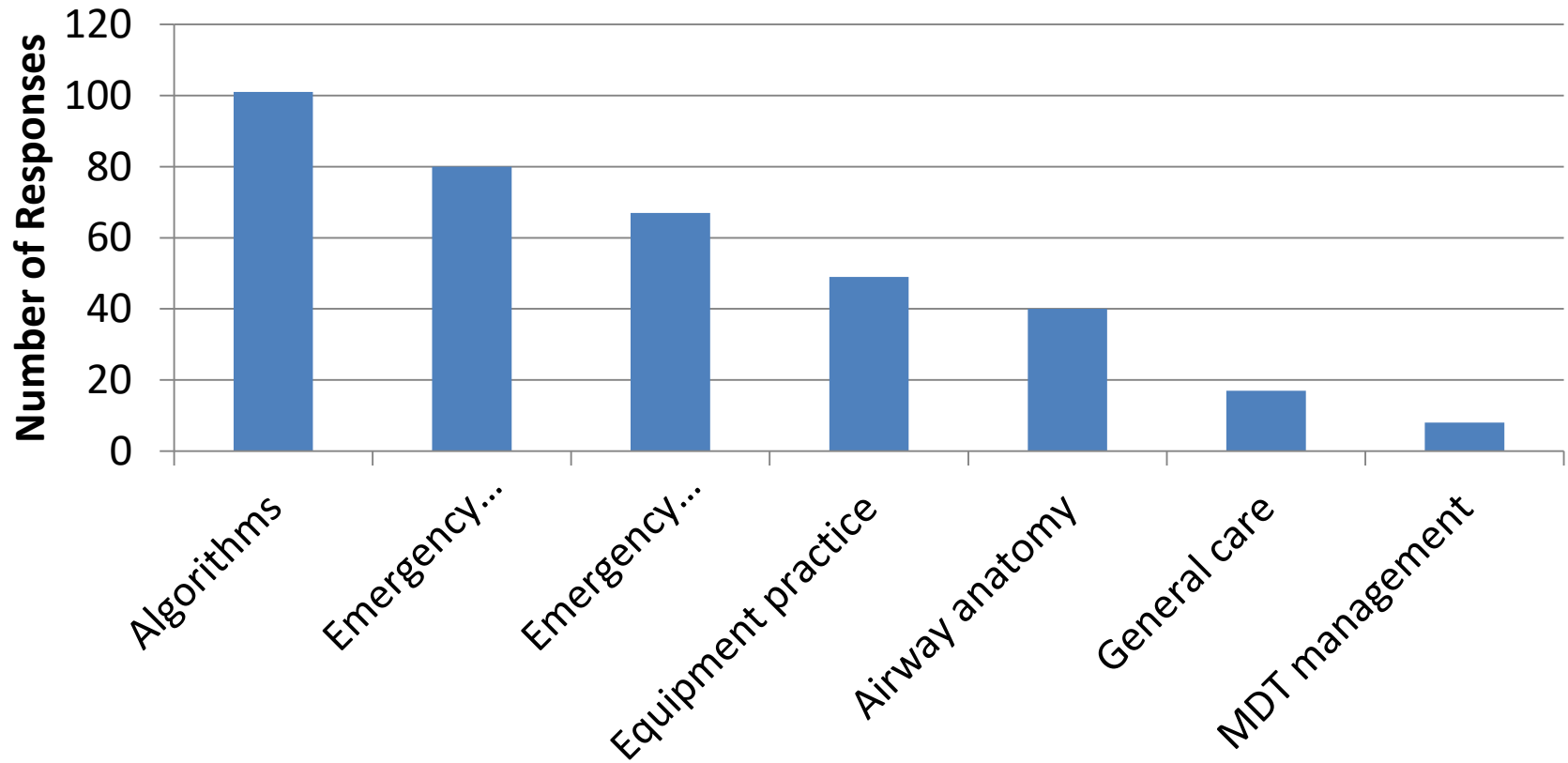


Doctors



Most valuable learning outcomes

Most Valuable Learning Outcomes



Feedback

Very practical, important and empowering.
(Allied Health)

Fantastic study day, the best one I have ever attended. I found it very valuable and very enjoyable.
(Nurse)

Thank you! Provided detailed insight into caring for someone with a trachea.
(Nurse)

Excellent course – very useful on a topic we get little training on.
(Doctor)

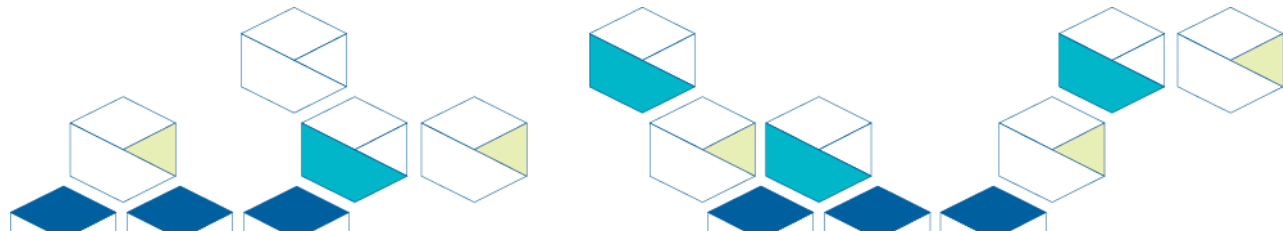
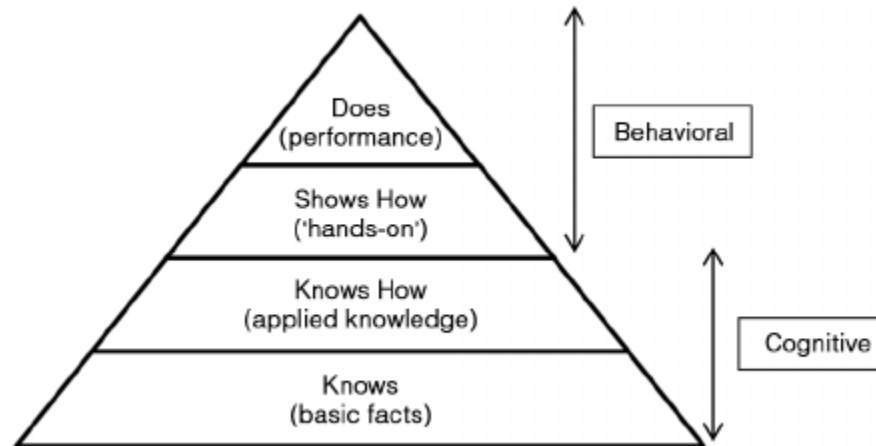
Learnt lots of useful new information that can be used in future work.
(Doctor)

I feel so much more confident.
(Nurse)



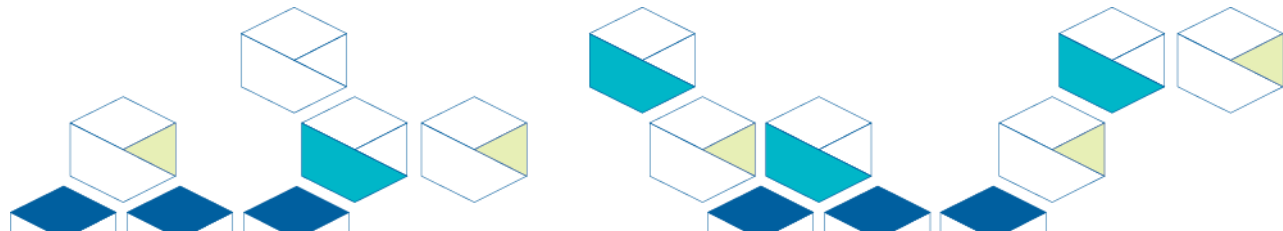
Future Research

- Evaluate longer term outcomes of the course

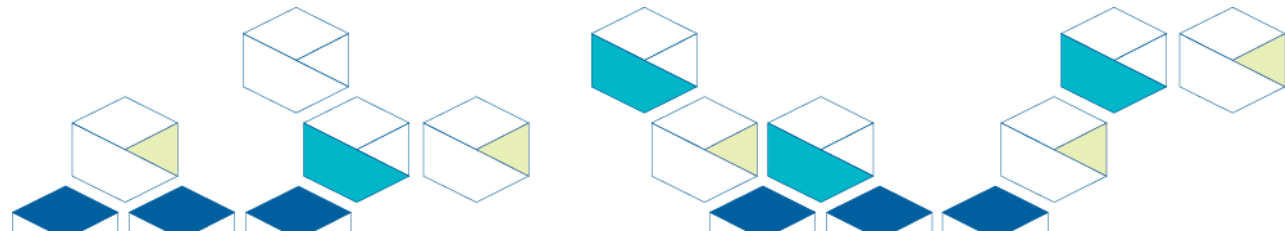


Conclusion

- As recommended by literature: there is a need for education and training in the emergency management of patients with an altered airway
- Don't make assumptions about knowledge and skills. Adopt a collaborative approach to patient care.



Thank you



References

1. McGrath BA, Bates L, Atkinson D, Moore JA. Multidisciplinary guidelines for the management of tracheostomy and laryngectomy airway emergencies. *Anaesth.* 2012;67:1025-41.
2. On the Right Trach? a review of care received by patients who underwent a tracheostomy. National Confidential Enquiry into Patient Outcome and Death 2014.
3. Cetto R, Arora A, Hettige R, Nel M, Benjamin L, Gomez CMH et al. Improving tracheostomy care: a prospective study of the multidisciplinary approach. *Clin Otolaryngol.* 2011;36:482-8.
4. National Tracheostomy Safety Project. <http://www.tracheostomy.org.uk/>

