

The Tygerberg Anaesthetic Trainee Theatre Educational Environment Measure (ATEEM) Study

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BACKGROUND

- Postgraduate medical training is built on the foundation that doctors learn through their work experiences. For the anaesthesia trainee the clinical learning environment is synonymous to the theatre environment, where the registrar forms an integral part of the peri-operative multi- disciplinary team.
- The postgraduate learning experience is a salient component of the training of an anaesthesiology specialist. This can affect the quality of patient care, their outcomes and service delivery.

AIMS

To determine how the theatre learning environment(LE) is perceived by the postgraduate anaesthesia trainees in the Department of Anaesthesiology and Critical Care (DACC) at Tygerberg Hospital

METHODOLOGY

Study Setting and Population



- Anaesthesia trainees in the Department of Anaesthesia and Critical Care at Tygerberg Hospital
- Single centre prospective descriptive cross-sectional survey-based study

Study Tool



- Online survey version of the validated Anaesthetic Trainee Theatre Educational Environment Measure
- Modified version for the South African Context

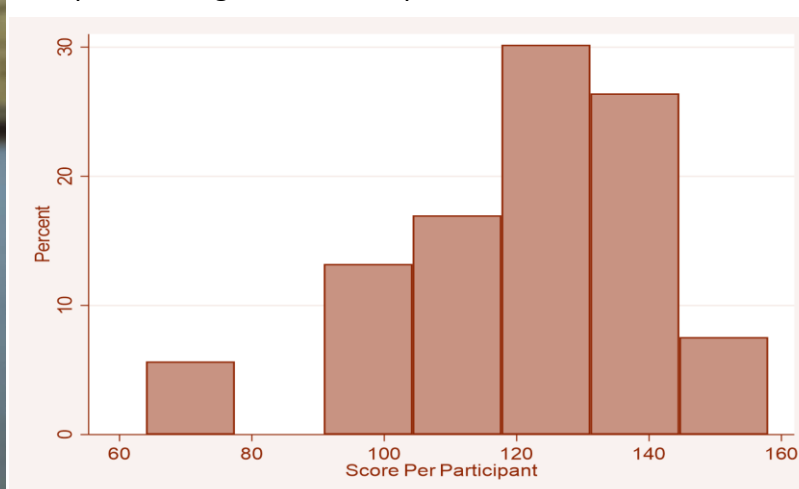


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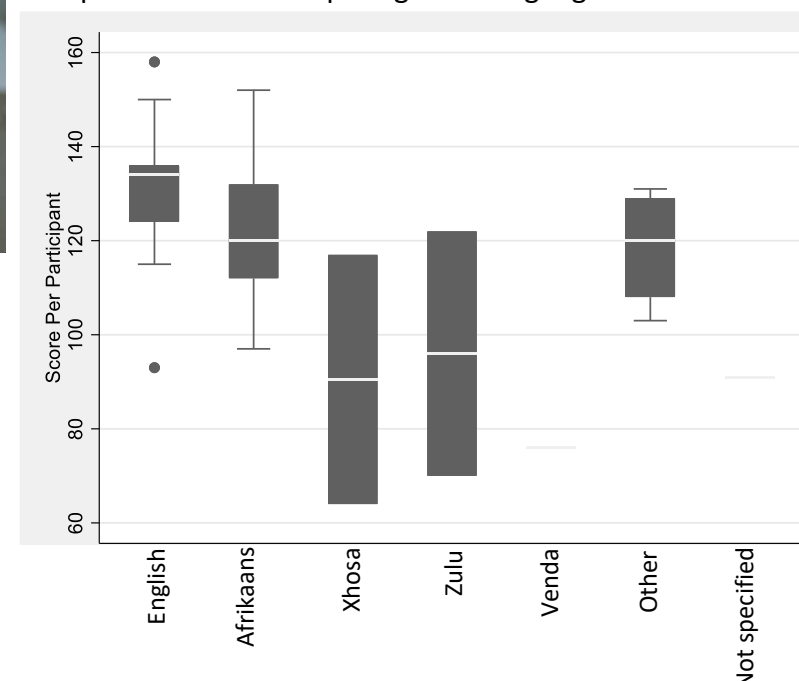
RESULTS

- A total of 52(96.2%) surveys was included in the study.
- The LE was found to be perceived as overall more positive than negative
- Overall perception of LE correlates with local and international studies.
- Results were independent of gender, race and level of experience.
- Language of teaching may be a barrier to learning.
- The only statistically significant barrier to learning was noise in theatre.

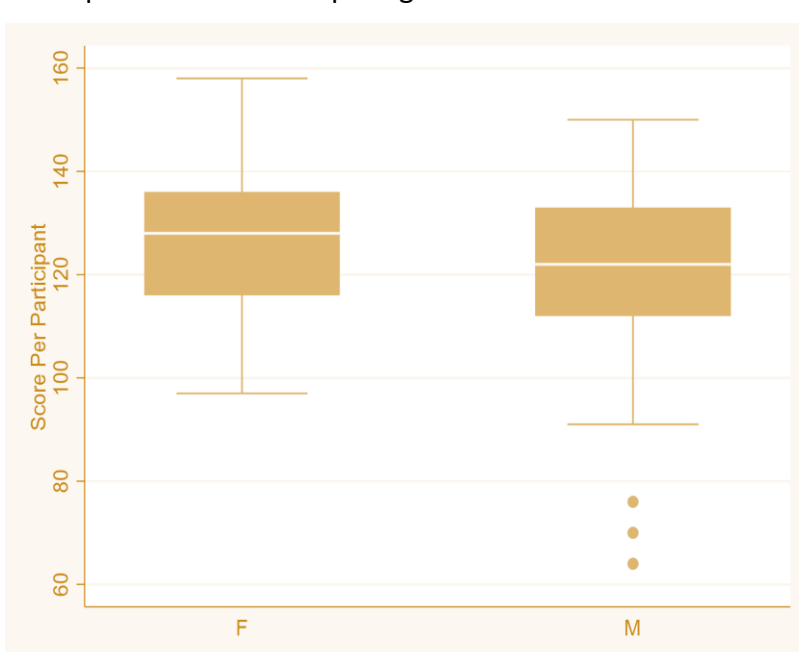
Graph 1: Histogram of Participant LE Score



Graph 2: Box Plot Comparing First Language and LE Score



Graph 3: Box Plot Comparing Gender and LE Score



CONCLUSION

The adapted ATEEM questionnaire was found to be a useful tool in measuring the perception of the LE. It has the potential to provide useful insight into the barriers of postgraduate learning in theatre. In future this tool has the potential to be used for continued educational quality improvement measures in the DACC and other academic institutions countywide.

