

Development and Evaluation of a Proficiency-based and Simulation-based Surgical Skills Training for Technical Medicine Students

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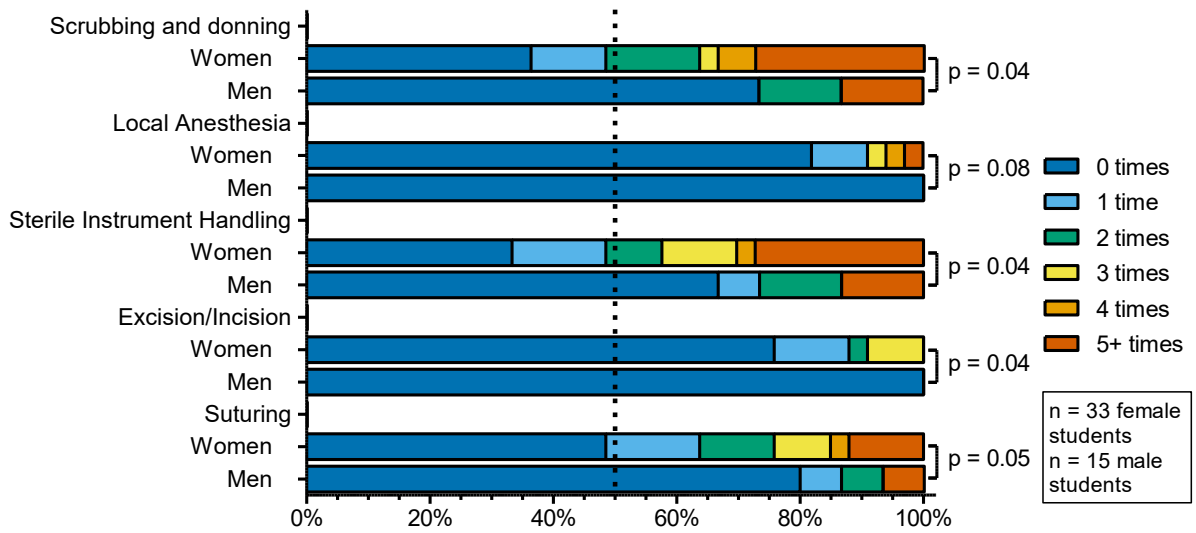
Keywords: Patient-centred training; proficiency-based training; simulation-based training; reliability; preclinical learning

The supplementary files corresponding to this manuscript are:

- Supplementary File 1.pdf Text, course overview
- Supplementary File 2.pdf Figure, procedure-specific rating scale for suturing
- Supplementary File 3.pdf Text, questionnaire in English
- Supplementary File 4.pdf Table, results for technical skills assessment
- Supplementary File 5.pdf Figure, student flow diagram of study
- Supplementary File 6.pdf Figure, grading/skill assessment/time slot (drift analysis)
- **Supplementary File 7.pdf** **Figure, performed skills during rotations (gender analysis)**

This supplement file is listed in bold.

Supplement 7: Performed skills during rotations (gender analysis)



Supplementary Fig. 4 More technical skills were performed by female students for all technical skills (p=0.037 to p=0.049) except for local anesthesia which was seldom performed among all students.

In ordinal regression analysis, lower frequencies of technical skills were associated (Wald χ^2) with male students for scrubbing and donning (p=0.03), sterile instrument handling (p=0.04) and suturing (p=0.050). Male students did not perform local anesthesia and incision/excision.