

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

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### **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 3: Questionnaire questions in English (original language: Dutch)

### **Quantitative**

Number of skills performed in internships:

1. Scrubbing and Donning
2. Local Anesthesia
3. Sterile Instrument Handling
4. Excision/Inclusion
5. Suturing

Students were asked to score on a 6-point Likert scale: 0 times, 1 time, or 2, 3, 4 or 5+ times.

### **Qualitative**

1. Knowledge of surgical patient flow is applicable
2. Technical skills are applicable
3. I have faith in entering OR
4. This course helped me to attain professional behavior
5. I am able to act professionally in the OR
6. I am able to apply knowledge on patient safety
7. Patient flow helped me for better insight in the OR
8. Insight in patient flow helped me to ensure patient safety
9. Knowledge and skills are representative
10. Knowledge helped me to learn new procedures
11. Technical skills helped me to learn new procedures
12. I am unable to apply knowledge and skills as learned
13. My surgical skills as learned are appreciated in practice
14. I am able to show skills of someone else's preference
15. I am able to defend the skills I have learned

Students were asked to score on a 6-point Likert scale: Completely disagree, disagree, neutral, agree, completely agree or not applicable.