Understanding Robotic Surgical Skills Development: Do Basic Surgical Skills Acquired During Intern Year Improve Baseline Robotic Skill Set?

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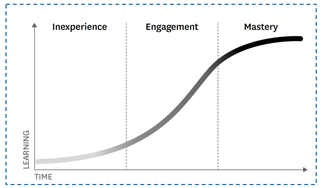
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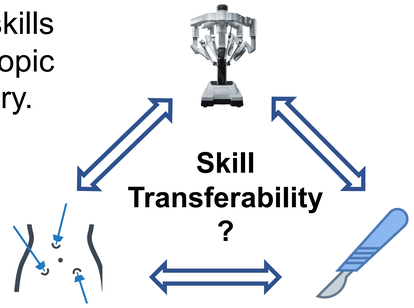
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Background and Aim

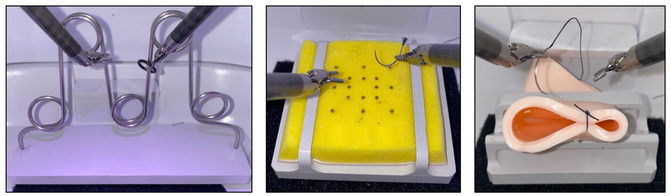
There is lack of data on the transferability of skills from open & laparoscopic training to robotic surgery.





Materials and Methods



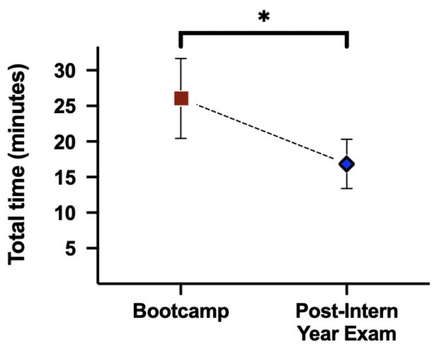


Ring Rollercoaster (RRC) | ATW Needle Driving (ATW) | Vaginal Cuff Closure (VC)

Results

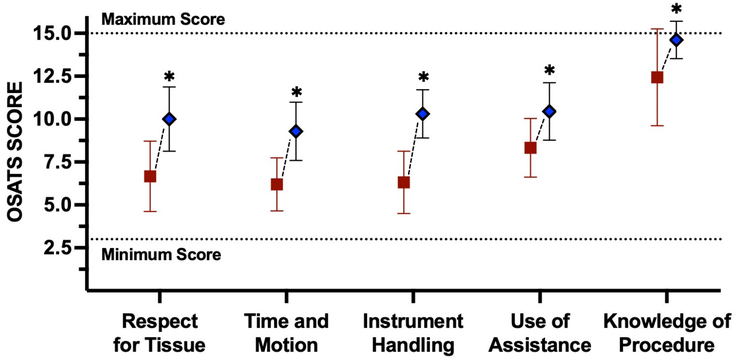
30 General Surgery Interns (2019-2021)

Bootcamp | Post-Intern Year Exam | * Indicates *P* Value of <0.05



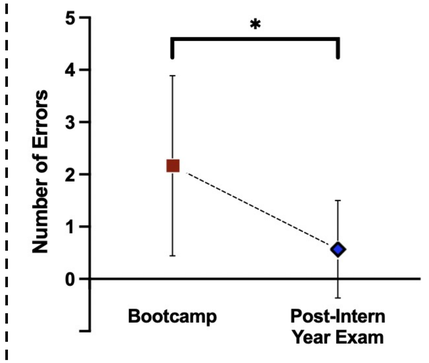
Time to complete the drills

From 26 ⇨ 17 minutes



Aggregate OSATS Scores

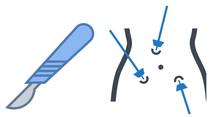
⇧ Increased by an average of **41%**



Number of Errors

From 2.2 ⇨ 0.6 errors

Conclusion



Open and laparoscopic training during intern year (knot tying, needle driving, and tissue handling)

⇨



Improved performance on the robotic platform

Initiating robotic training **after intern year** would be a reasonable and efficient strategy in a time scarce surgical training program.