CROWD-SOURCED ASSESSMENT OF SURGICAL SKILLS PROGRESSION AMONG UROLOGY RESIDENTS

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Methods

- Between October 2016 and October 2019, 14 residents performed a total of 108 skills testing sessions.

- Video recordings of open knot tying (OKT), laparoscopic peg transfer (LPT), and robotic suturing (RS) were evaluated by crowdsourcing.

- Statistical analysis was performed using a linear mixed model to assess for improvement over time.

Results

- Overall mean scores for OKT were the highest of the three tasks ($p<0.001$).

- OKT scores did not improve significantly over time ($p=0.21$).
Results

- Laparoscopic peg transfer and robotic suturing scores improve during residency (p<0.001).
- Open knot tying skills do not significantly improve from year 1 to year 5 of residency.
- Laparoscopic peg transfer skills and robotic suturing skills significantly improve during the residency experience.

Conclusions