COSTA RICAS' EXPERIENCE WITH THE GLOBAL LAPAROSCOPIC ADVANCEMENT PROGRAM (GLAP) TO IMPROVE BASIC LAPAROSCOPIC SKILLS

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INTRODUCTION: Since its first implementation in Costa Rica (CR) in 2020, GLAP, a simulation-based laparoscopic training program of SAGES, has helped enhance the laparoscopic skills of over 50 CR surgical attending and residents. The GLAP program has been locally reproduced and now incorporated into the residency curriculum.

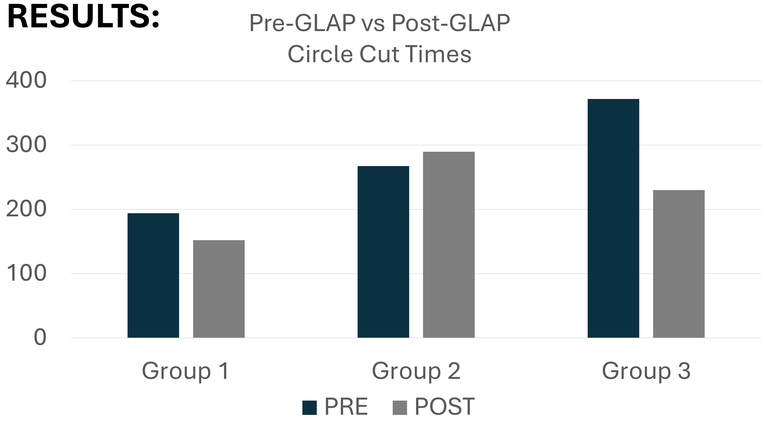


METHODS:

GLAP workshops October 2023– June 2024

1. **3 workshops**
2. **2 virtual sessions and 3 on-site sessions each.**
3. **18 participants divided in 3 groups:** PGY-1&2 pediatric and general surgery residents, urology attendings and PGY-1 general surgery residents.
4. Participants completed online **SAGES FLS** modules and practiced manual skills (circle cut, PEG transfer, ligating loops, extracorporeal knot tying).
5. Time to completion of **circle cut** and faculty evaluation of **participants' skills** (depth perception, bimanual dexterity, efficiency, and tissue handling, on scale of 1-5) was conducted pre-GLAP and post-GLAP. Is this OLSAT? You will have to say what evaluation form you used

RESULTS:



- Time to complete circle cut **improved** in Group 1 and Group 3 but **increased** in Group 2.
- There was an **increase in faculty evaluation** of participants' depth of perception, bimanual, efficiency, and tissue handling in all 3 groups.

CONCLUSION: Simulation-based education, particularly programs such as GLAP, can be incorporated into training curriculum in CR, improving the laparoscopic basic skills of residents and attendings.