Robotic Surgery: the Changing Paradigm of Transplant Surgery Fellowship

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INTRODUCTION

- Robotics are increasingly utilized in transplant, HPB
- Fellows have reported frustration with low case volumes
- Transplant, HPB, surgical oncology fellowship leadership have reported inconsistent training experiences
- **Objective:** to review the growth of a robotic transplant, HPB program at a single institution

METHODS

- Single-institution retrospective review
- Included all robotic cases performed by the division of transplant surgery, August 2018-July 2023
- Categorized cases by transplant versus HPB
- Performed longitudinal analysis of case volumes over time

RESULTS: 2018-2023

Robotic consoles: 1 → 1

Number of attendings performing robotic operations: 2 → 5

Total robotic cases annually: 33 → 171

Number of robotic cases per fellow per year: 8 → 50

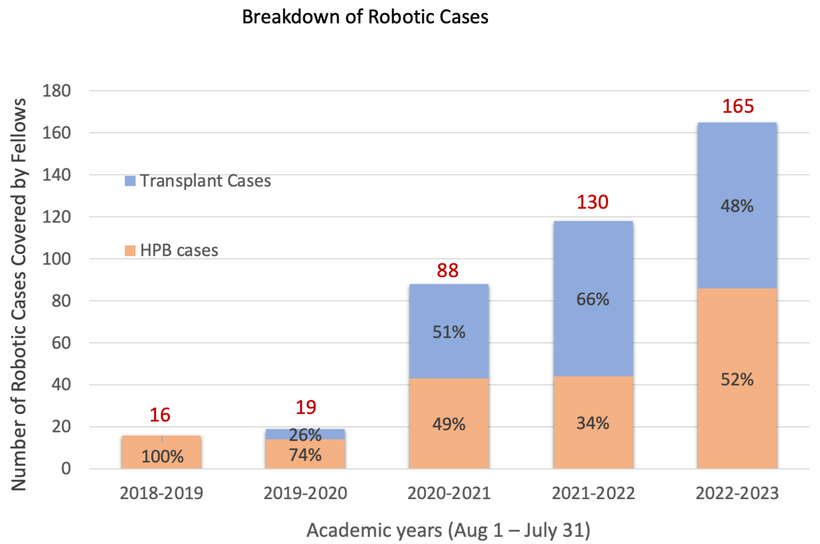


Figure 1. Transplant vs HPB robotic caseload by year

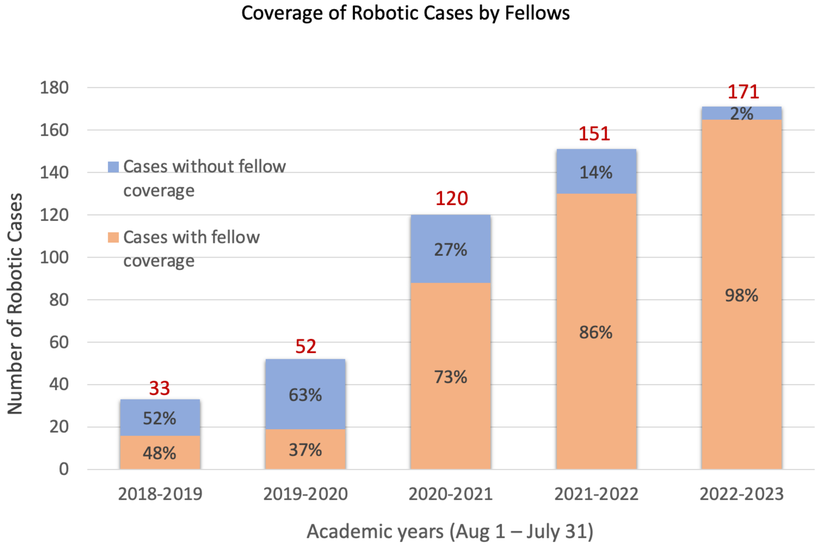


Figure 2. Fellow robotic case coverage by year

CONCLUSION

- Robotic-specific transplant, HPB surgery should be a key part of the fellowship experience
- Increasing robotics exposure across all programs is paramount moving forward