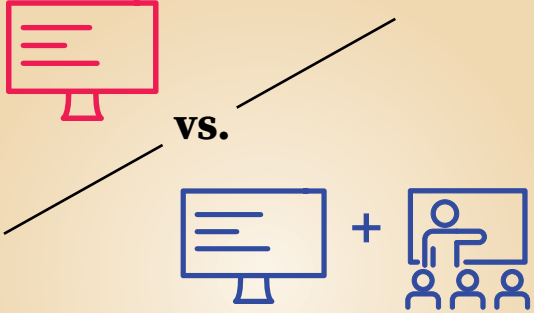


# Comparison of Simulation-Only vs. Simulation + Live Training in Paracentesis



60

first-year internal medicine residents received either **standard** or **enhanced** procedure training in abdominal paracentesis

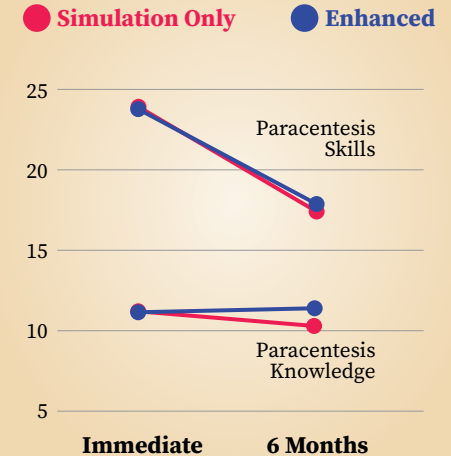
## Enhanced Training Included:

- supervised practice on an ultrasound-compatible mannequin
- real-world experience in a therapeutic paracentesis clinic

1+

Residents in the enhanced training group performed an **average of 1 additional paracentesis** during the study period

## Post-Training Scores



Simulation-based training is sufficient for achieving initial mastery in abdominal paracentesis, **but not for maintaining paracentesis skills at 6 months**