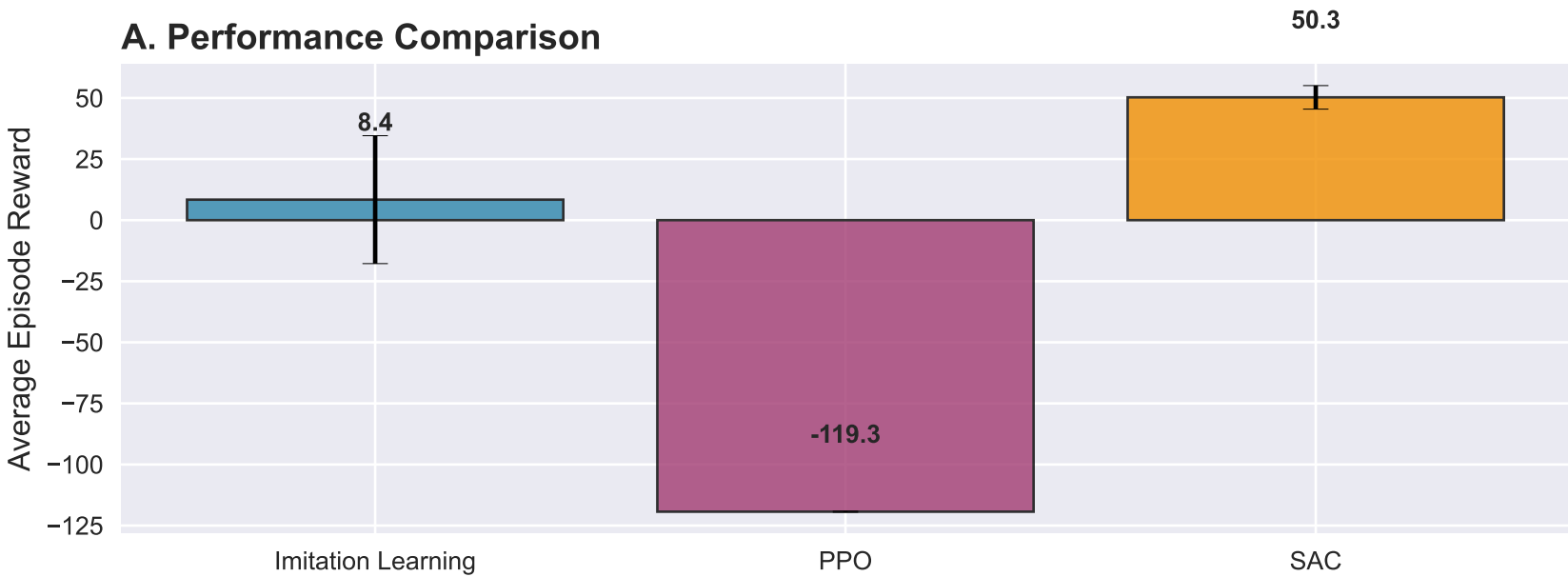
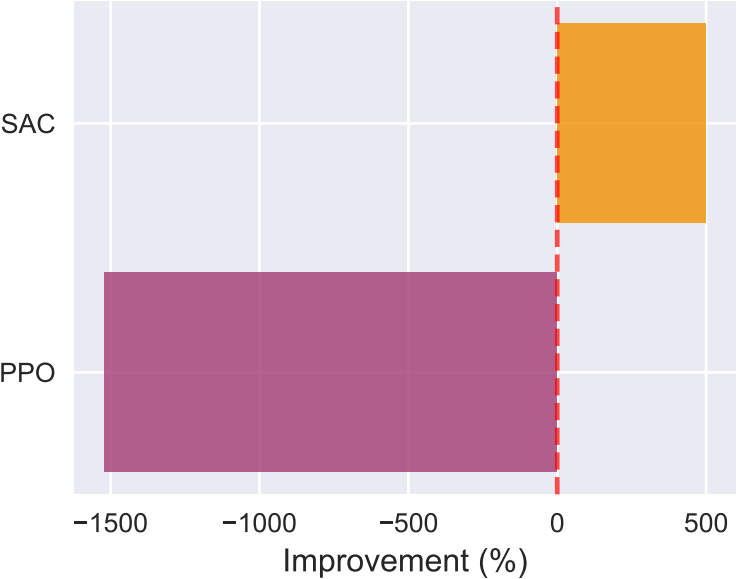


Surgical RL vs Imitation Learning: Comprehensive Analysis

A. Performance Comparison



B. Improvement over IL



C. Statistical Comparison (95% Confidence Intervals)



D. Summary Statistics

Method	Avg Reward ± Std	Avg Length	Episodes	Improvement
Imitation Learning	8.40 ± 26.18	30.0	0	Baseline
PPO	-119.32 ± 0.22	50.0	10	-1521.0%
SAC	50.27 ± 4.81	50.0	10	+498.7%