

Augmentation of Haptic Guidance into Virtual-Reality Surgical Simulators

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Goals:

- Develop and evaluate the effectiveness of real-time haptic and visual feedback in surgical task simulators of complex trajectories

Significance:

- Real-time feedback has the potential to drastically improve training programs for minimally invasive surgeons

Results:

- Implementation of several haptic and visual feedback systems
- Development and setup for multi-faceted study on benefits of real-time feedback to surgical trainees

