

Surgical Instruments for Robotic Microsurgery

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Goals:

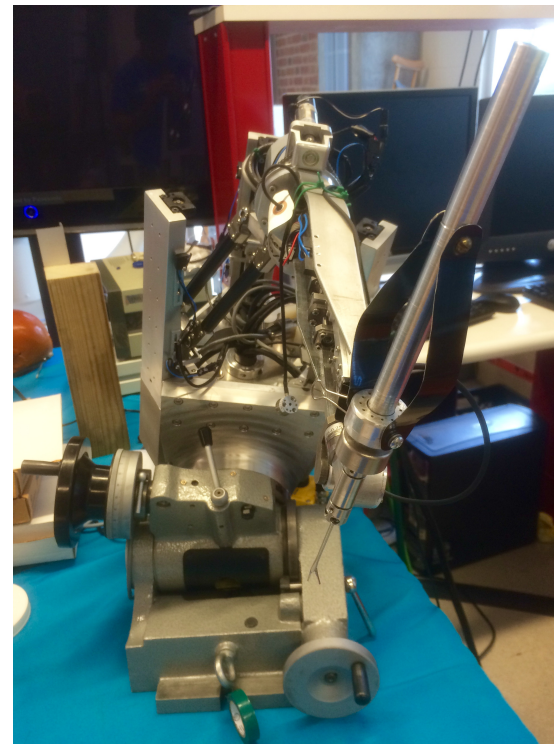
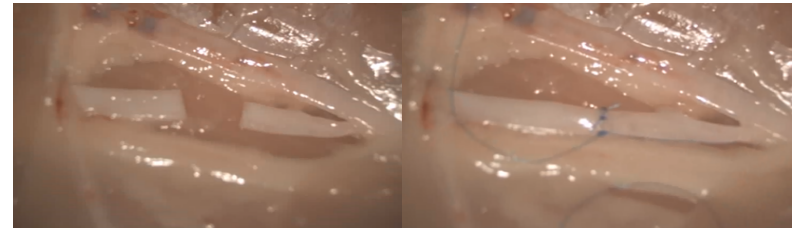
- Validate the use of the REMS for microvascular anastomosis
- Develop compatible needle holders for this procedure

Significance:

- Improve microsurgeries using a tremor-reducing steady-hand robot

Results:

- Proved that the REMS improves the quality of microvascular procedures
- Constructed a general adapter for current tools and a custom needle driver for the REMS



Demonstration of the REMS for Microvascular Procedures

