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