Tremor Reduction Assessment in Microlaryngeal Surgery

• **Goal:**
  • Assess the degree of tremor reduction in robotic microlaryngeal surgical procedures on cadaveric phantoms

• **What Students Will Do:**
  • Conduct user studies and reduce data
  • Develop surgical tool tracking software
  • Perform data analysis

• **Skills:**
  • Computer programming (Python, MATLAB, ...)
  • Image processing, computer vision

• **Mentors:**
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Example video of freehand (left) + freehand (right) microlaryngeal procedure on a pig cadaver