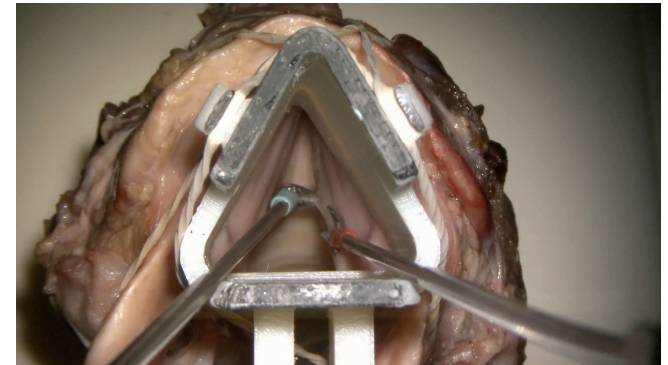


## Tremor Reduction Assessment in Microlaryngeal Surgery

- **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:**
  - Jasmine (Sue Min) Cho [scho72@jhu.edu](mailto:scho72@jhu.edu)
  - Dr. Russell Taylor [rht@jhu.edu](mailto:rht@jhu.edu)
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Example video of freehand (left) + freehand (right) microlaryngeal procedure on a pig cadaver



Product rendering of Galen Mark 2 from Galen Robotics Inc.  
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