Scope Holding Device

• Develop scope holding device to facilitate endoscope drying process

• What Students Will Do:
  – Discuss requirements with clinical collaborator
  – Design solution
  – Fabricate solution
  – Test solution in simple model
  – Redesign until satisfactory

• Deliverables:
  – Device accommodates various endoscopes (bronchs, GI, etc.)
  – Finalized device

• Size group: (no more than 3, if more split into sub projects)

• Skills:
  – CAD/CAM
  – Machine shop experience
  – Design experience

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• Group leader:
Endoscope Safety Risks

• Endoscopes
  • Medical devices most associated with outbreaks and pseudo-outbreaks

• Scope drying
  • Prevents residual moisture within the endoscope
  • Prevents bacterial growth
  • Challenge due to long, narrow, non-visible lumens
Scope Drying: Current Process