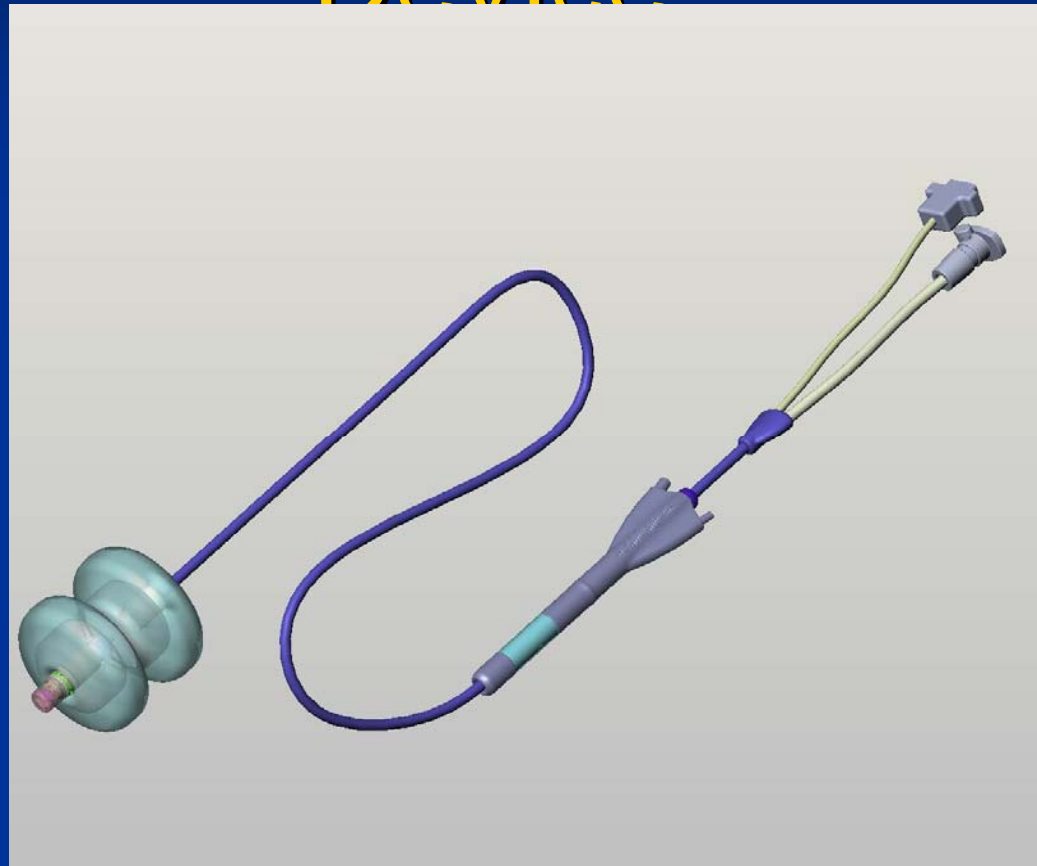
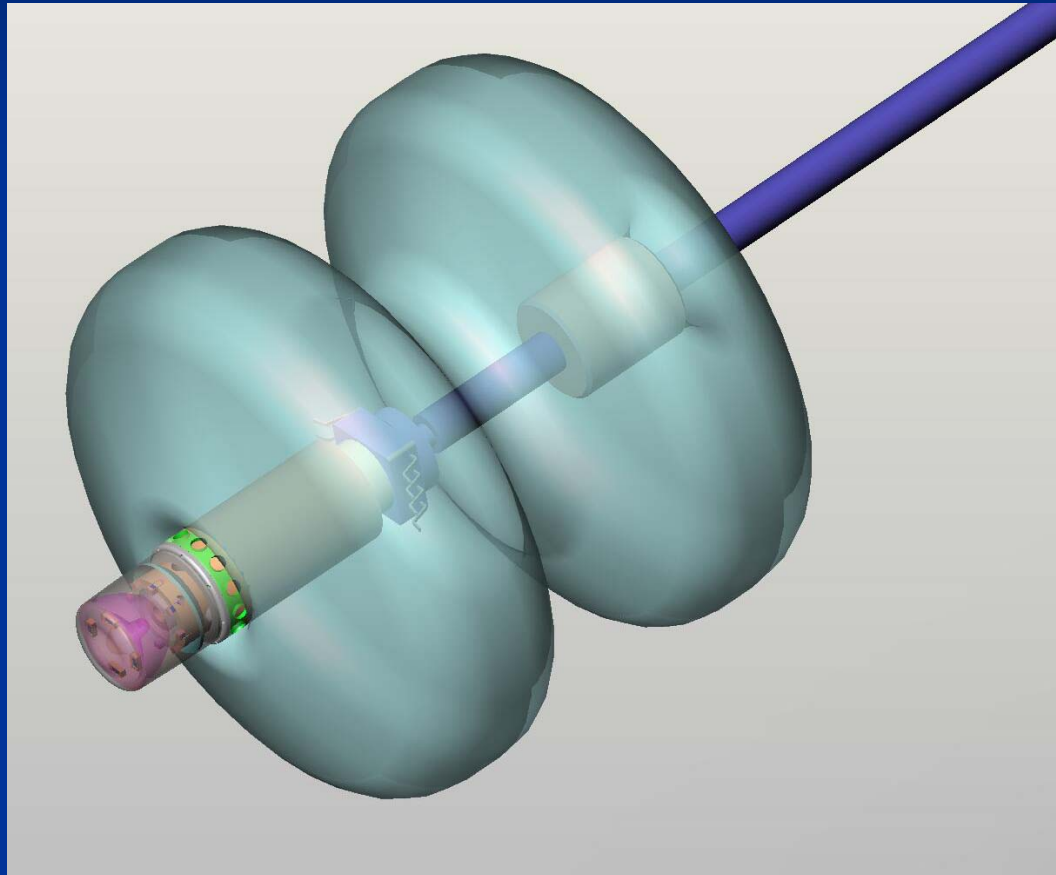


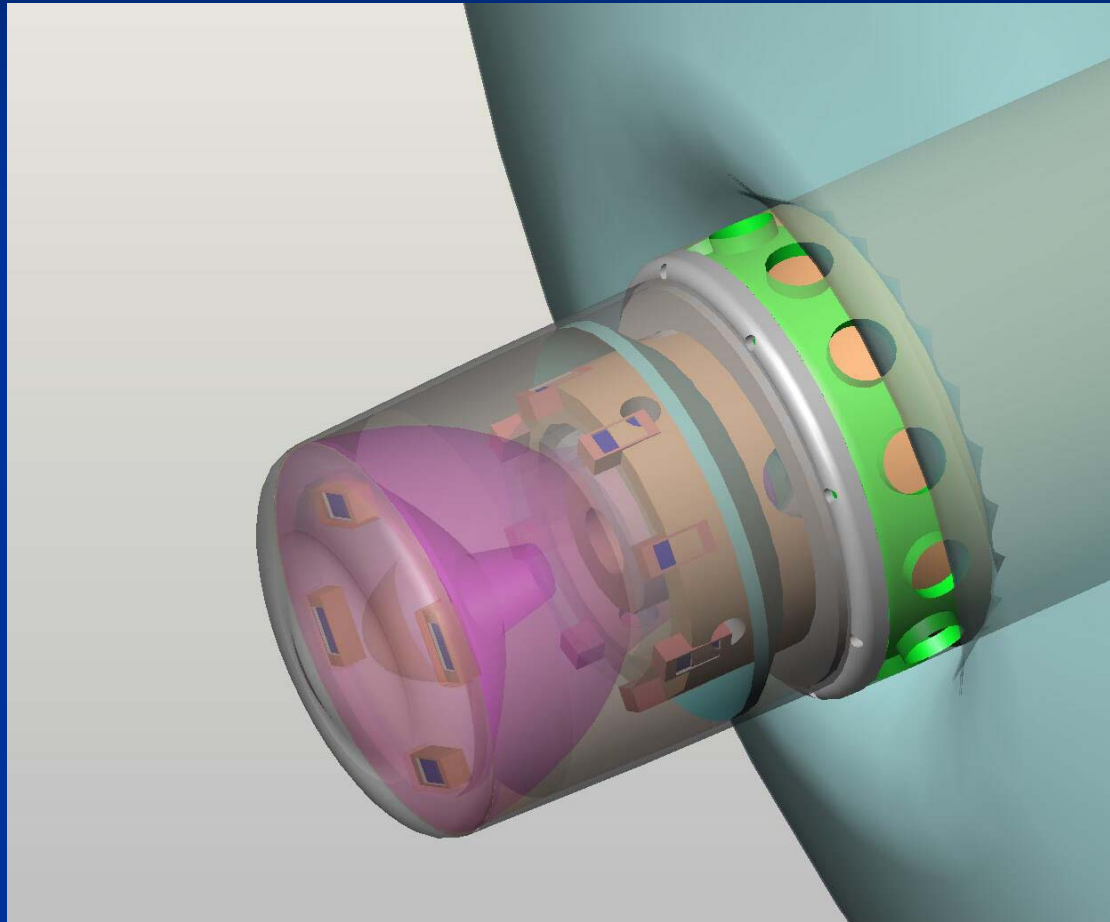
# D.Rex The Aer-O-Scope Disposable Device



# Balloons and Optics



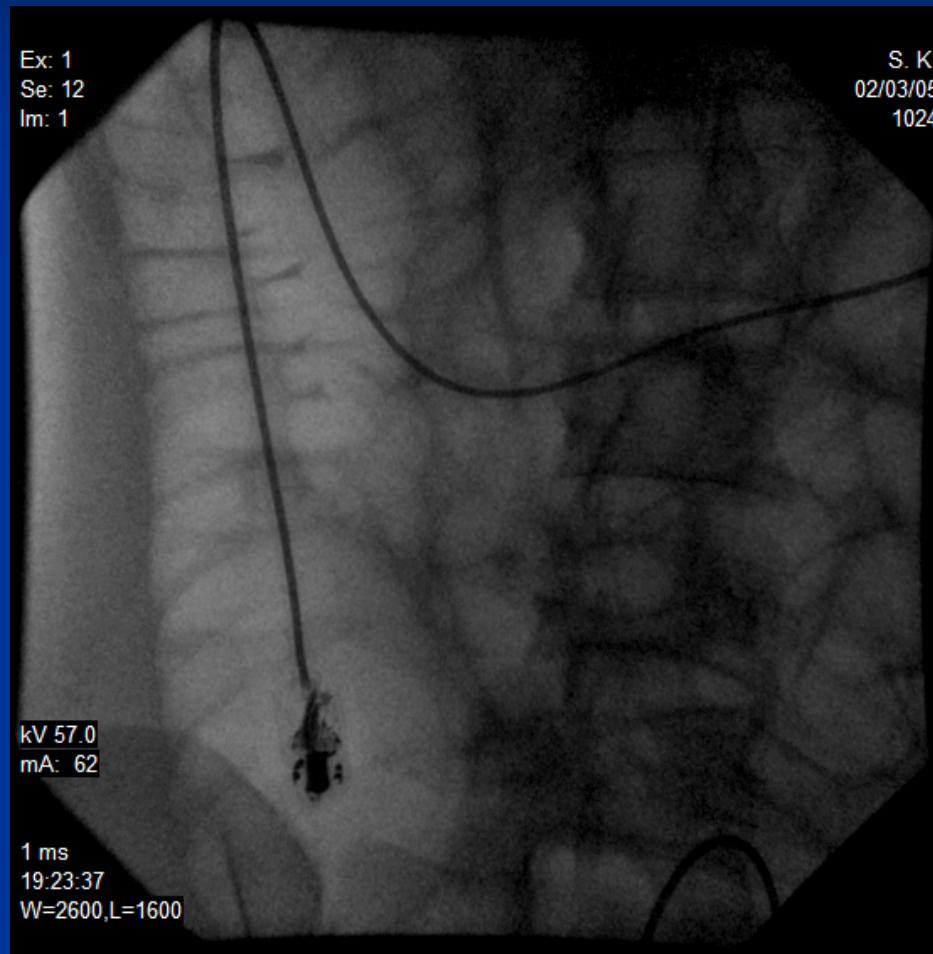
# Front View & Omni View



# Demonstration



# Reaching the Human Cecum



# *NeoGuide Navigator Endoscopy System: Problem It Addresses*

- Conventional scopes have a steerable tip, but the shaft is passive and uncontrolled
  - The scope moves by force against the colon wall
- Looping occurs as the force of the scope stretches the colon
- Looping is associated with pain, need for sedation, procedural difficulty, and procedural time

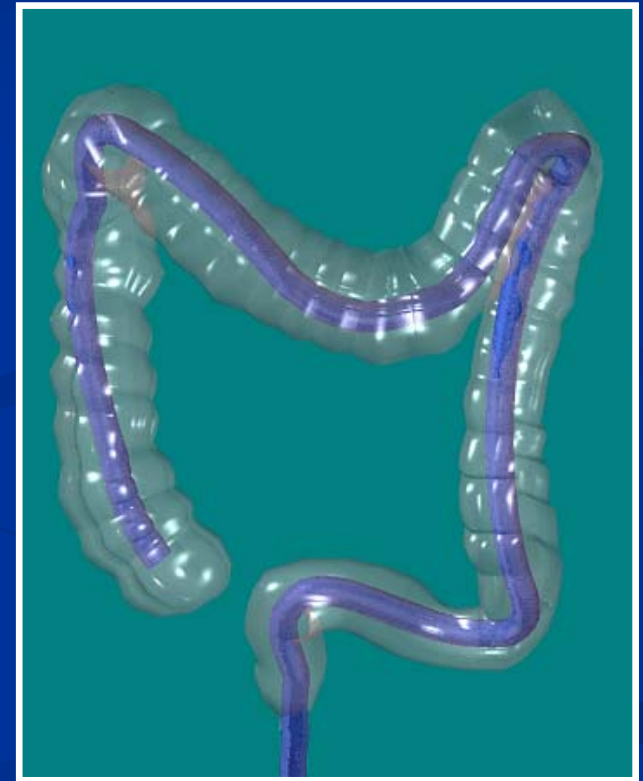
## Looping in Colonoscopy



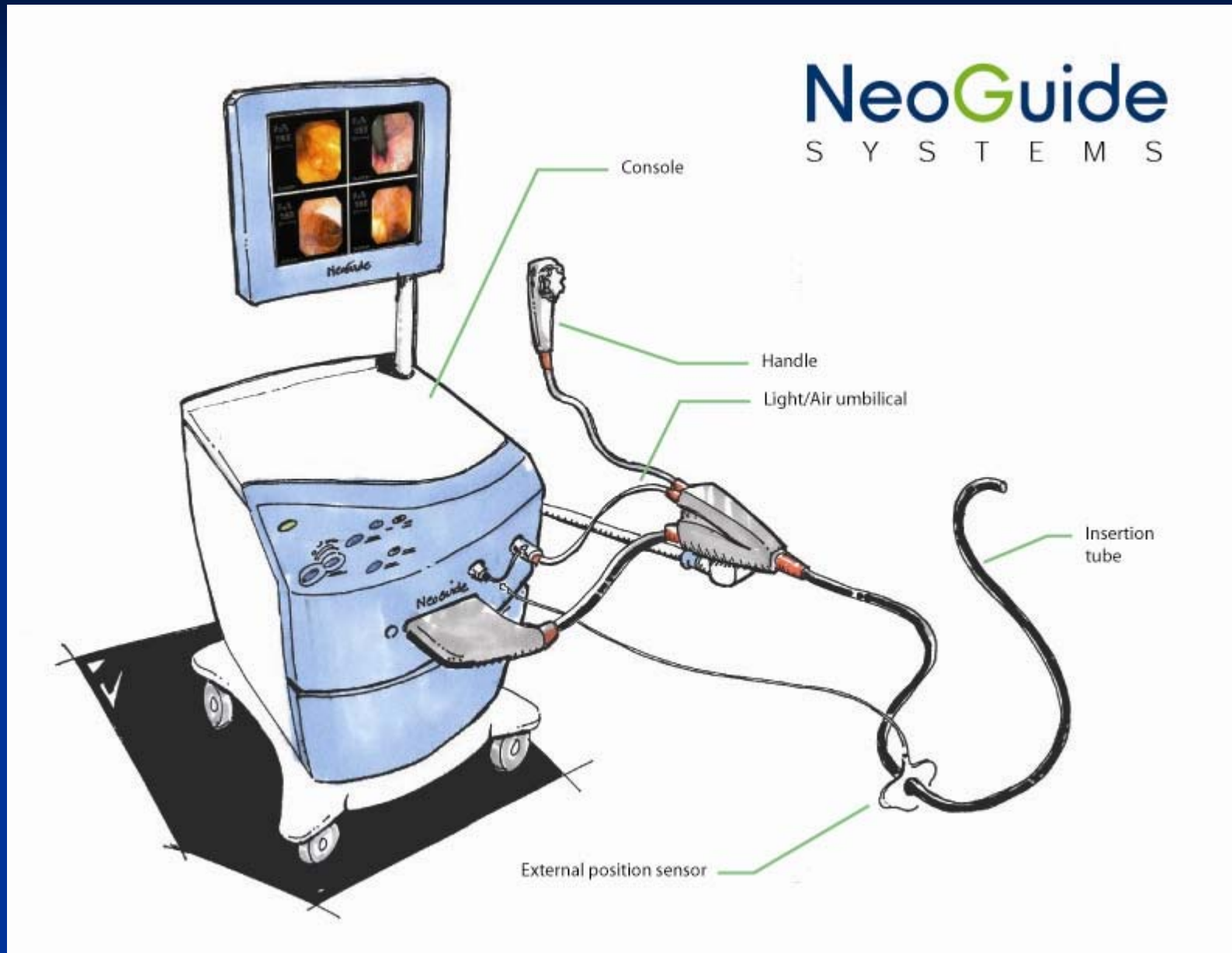
# *NeoGuide Navigator Endoscopy System: Product Concept*

- Physician inserts the scope and controls the tip in the same manner as conventional scopes
- System creates a real-time 3D colon map
  - Scope insertion depth and tip angle are detected and combined to create a 3D map
- The scope follows the shape of the colon
  - Scope has 16 articulating segments
  - The system instructs these segments to follow the path the physician has selected for the tip, based on the 3D map

NeoGuide Concept



# NeoGuide Navigator Endoscopy System



# ***NeoGuide Navigator Endoscopy System: Product Concept***

- Physician inserts the scope and controls the tip in the same manner as conventional scopes
- System creates a real-time 3D colon map
  - Scope insertion depth and tip angle are detected and combined to create a 3D map
- The scope follows the shape of the colon
  - Scope insertion tube has 16 articulating segments
  - The system instructs these segments to follow the path the physician has selected for the tip, based on the 3D map

# ***NeoGuide Navigator Endoscopy System: Product Concept***

- Physician inserts the scope and controls the tip in the same manner as conventional scopes
- The system directs several articulating segments
  - Colonoscope insertion tube has 16 articulating segments proximal to the tip
  - The system instructs these segments to follow the path the physician has selected for the tip
- The scope follows the shape of the colon
  - Sensors determine the insertion depth of the tip and shape of the tip
  - The system uses this information to create a real-time 3D map of the colon
  - The articulating segments follow this map