Colonoscopy equipment

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Colonoscopy equipment



OLYMPUS
3.2-3.7 mm



FUJI
3.2-3.8 mm



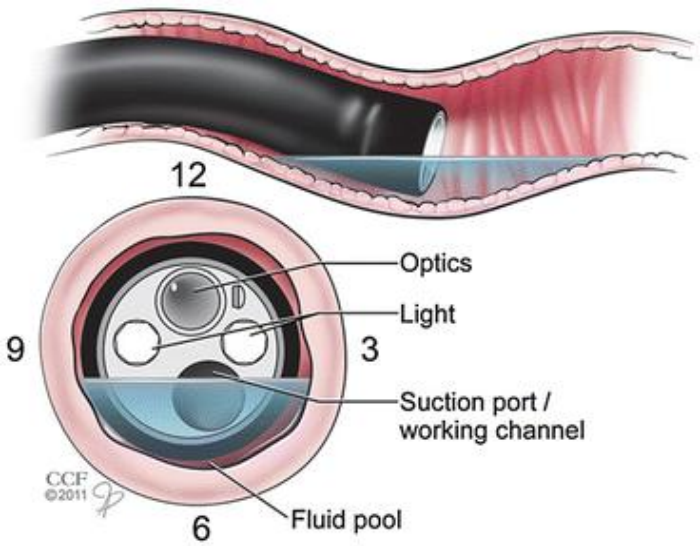
PENTAX
3.2-3.8 mm

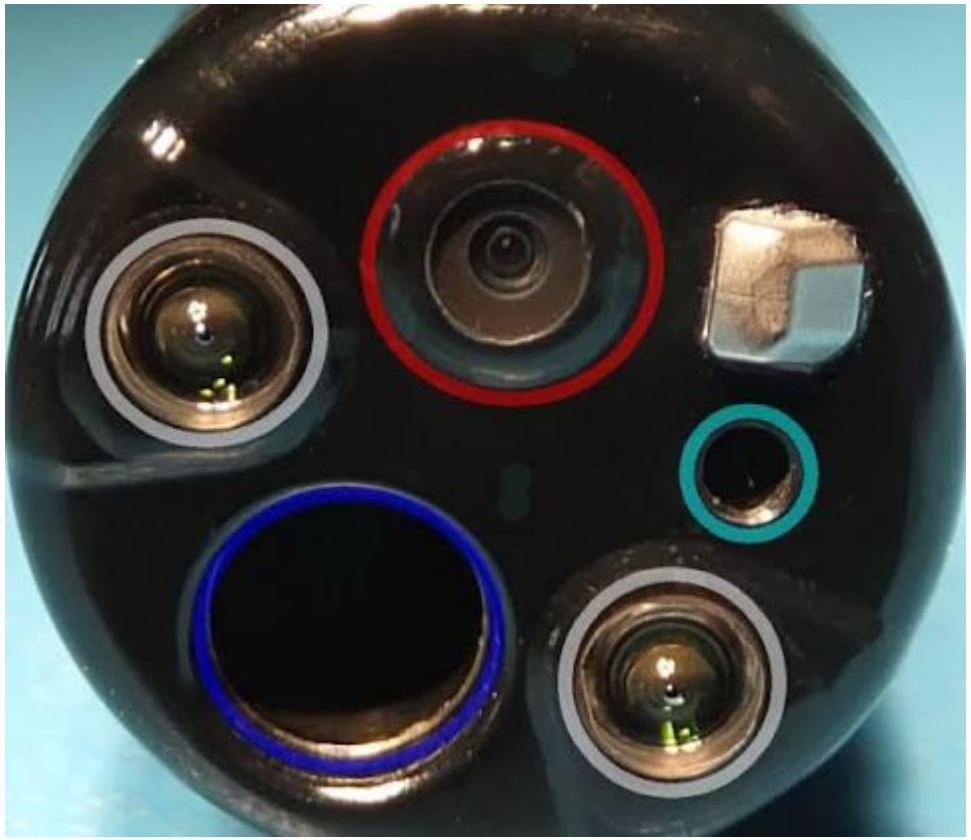
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Colonoscopy equipment

Working channel / aspiration channel

- Length: 130 – 170 cm
- Diameter: 3.2 – 3.8 mm
- Therapeutic interventions
- Accessories (in French):
  - 1 Fr = 0.33 mm / 1 mm = 3 Fr



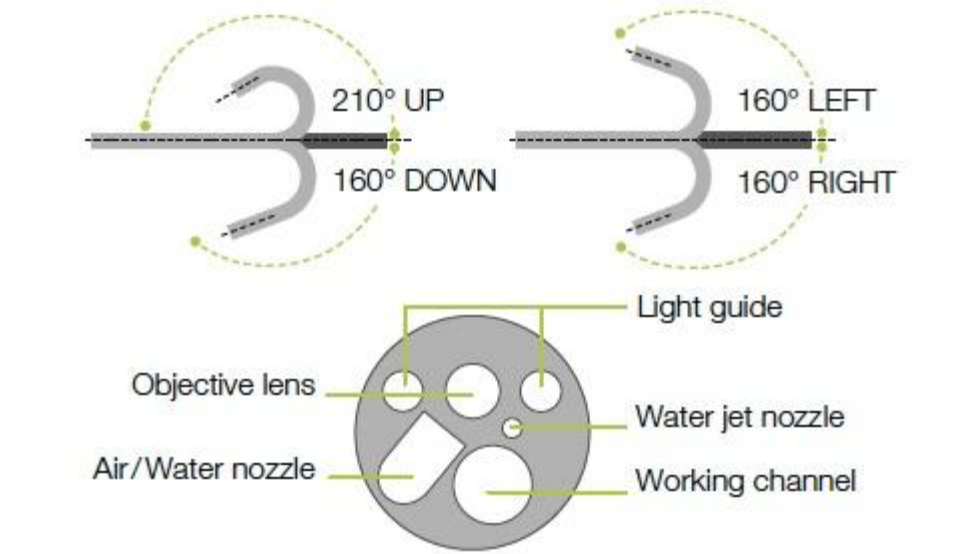


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Colonoscopy equipment

Working channel / aspiration channel

- Length: 130 – 170 cm
- Diameter: 3.2 – 3.8 mm
- Therapeutic interventions





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Colonoscopy equipment

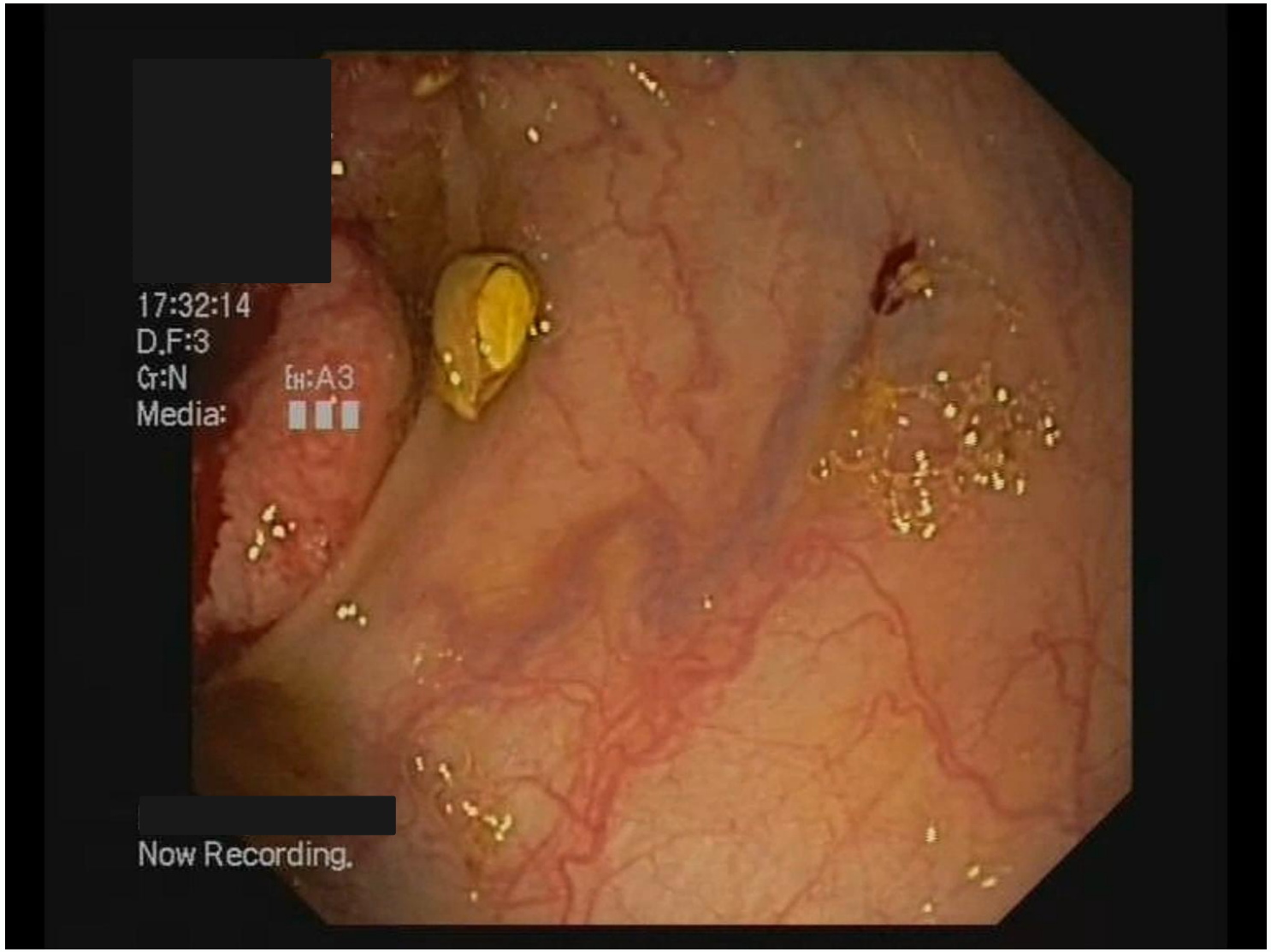
Therapeutic interventions

- Biopsy
- Polypectomy
- Mucosal resection
- Submucosal injection
- Hemostasis
- Foreign body removal
- Coagulation
- Defect closure
- Dilatation
- Stent placement
- Tube placement
- …



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Colonoscopy equipment



Colonic carcinoma

Biopsy forceps

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Colonoscopy equipment

Biopsy forceps

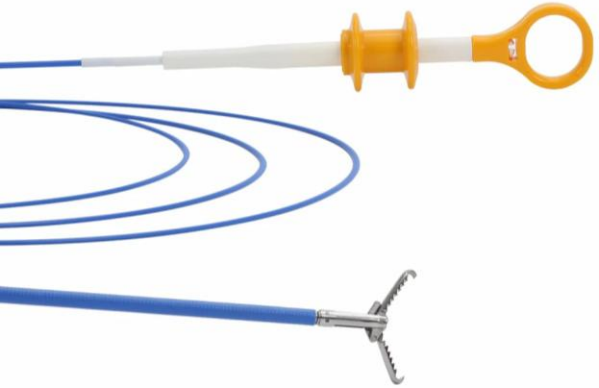
- Standard cup
- Alligator cup
- Jumbo cup
- Multibite forceps
- Spike forceps

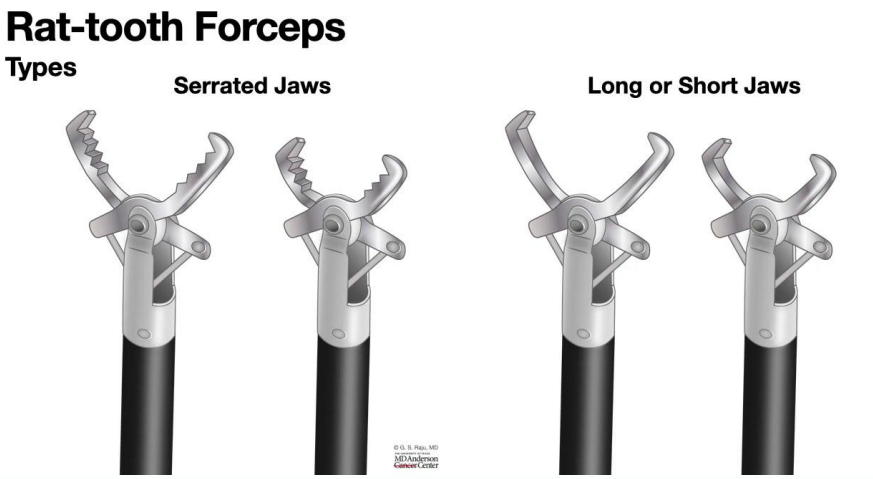




Rat tooth forceps

- Foreign body removal

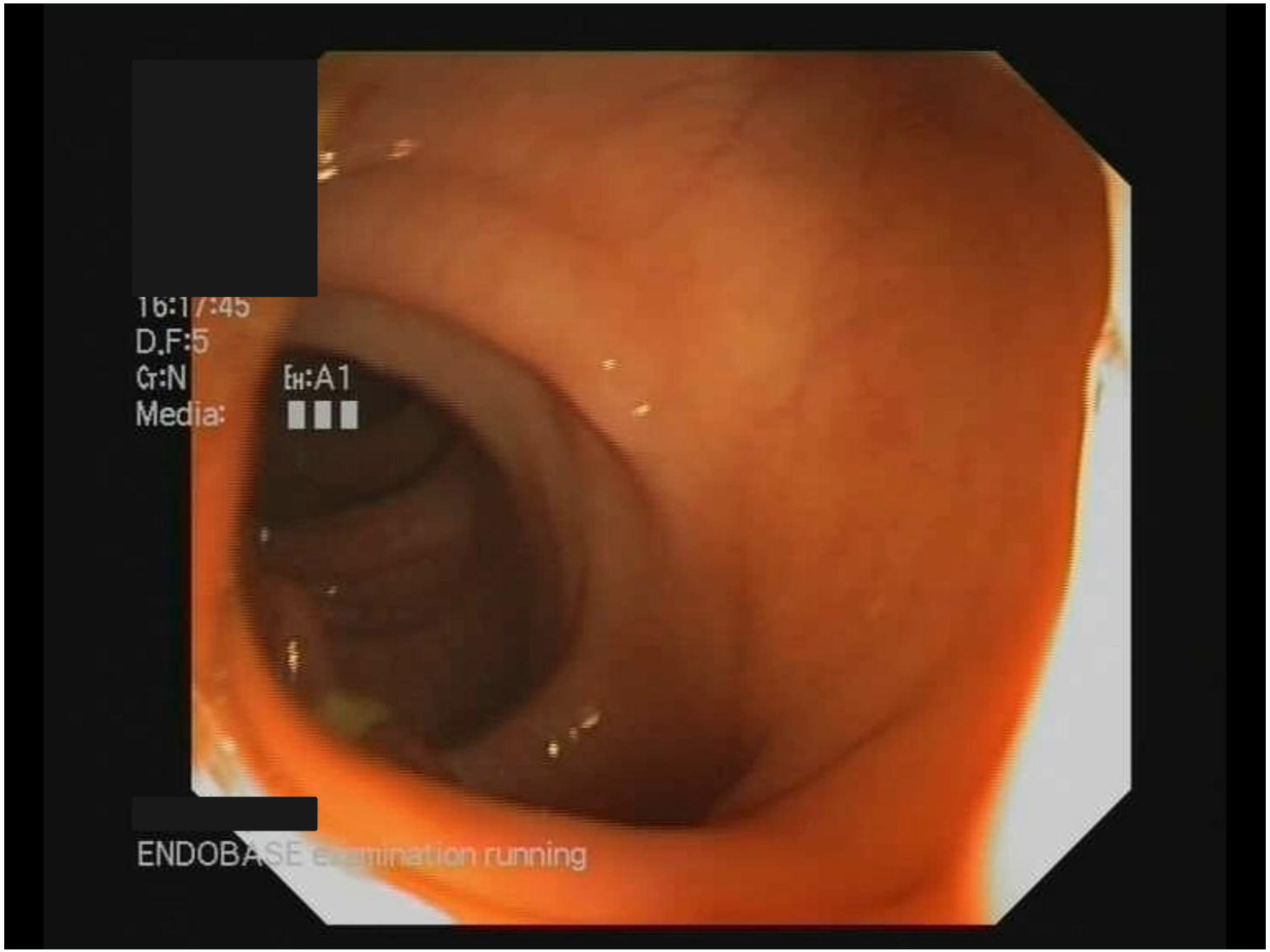






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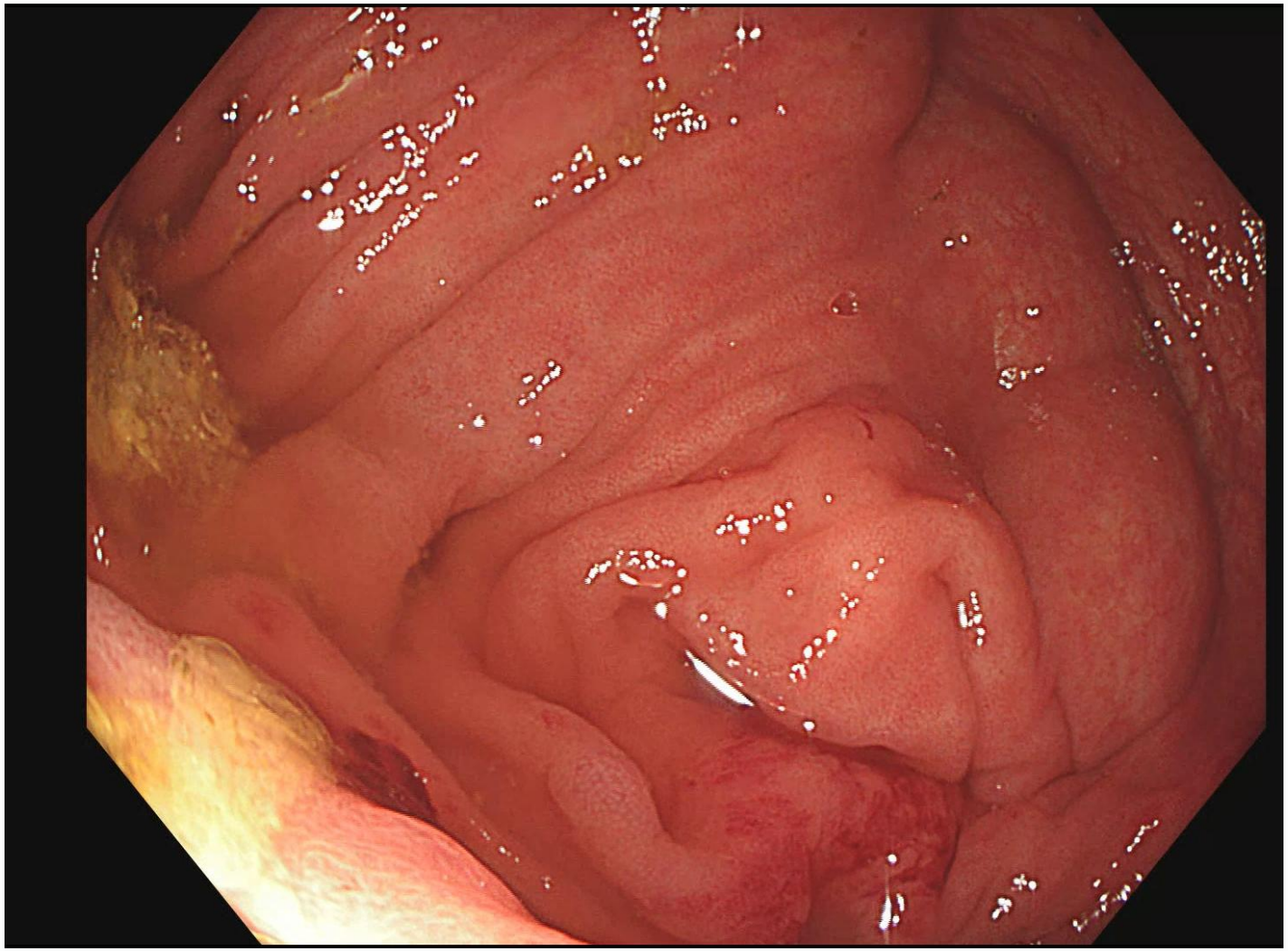
Pedunculated polyp

Polypectomy hot snare

Hemostatic clip

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Colonoscopy equipment

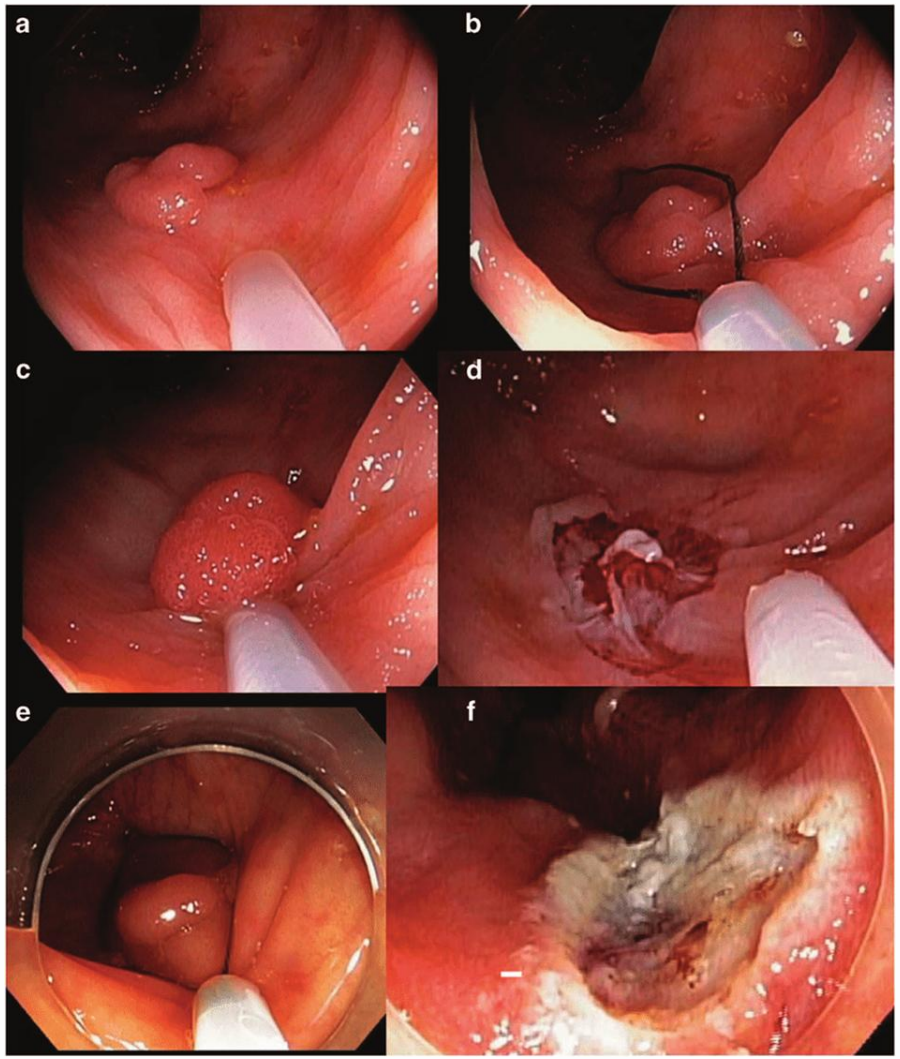


Sessile polyp

Polypectomy cold snare

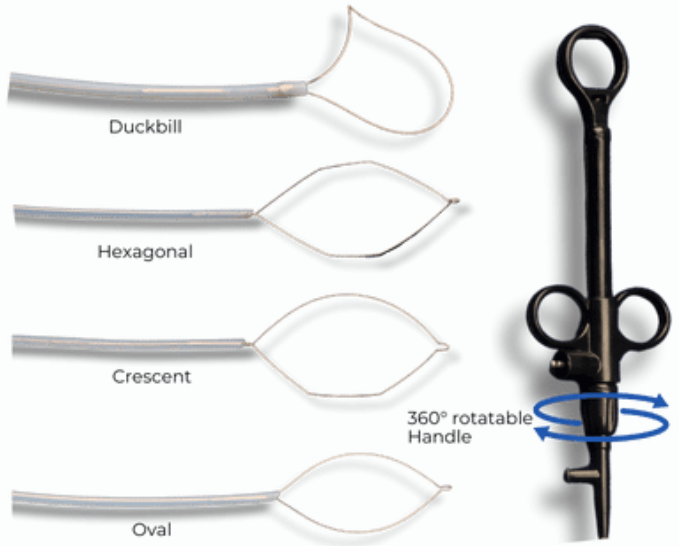
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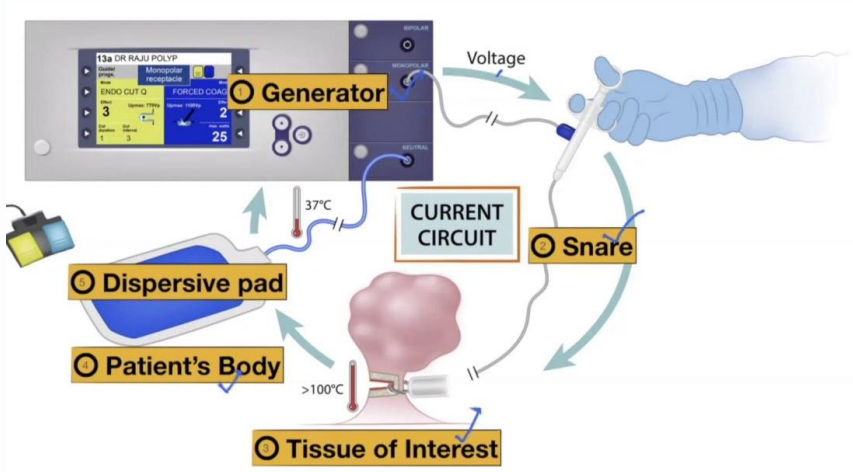
Polypectomy snares

- Cold snare vs Hot snare
- Different sizes
- Different forms
- Different wiring (filaments)



Electrosurgical unit

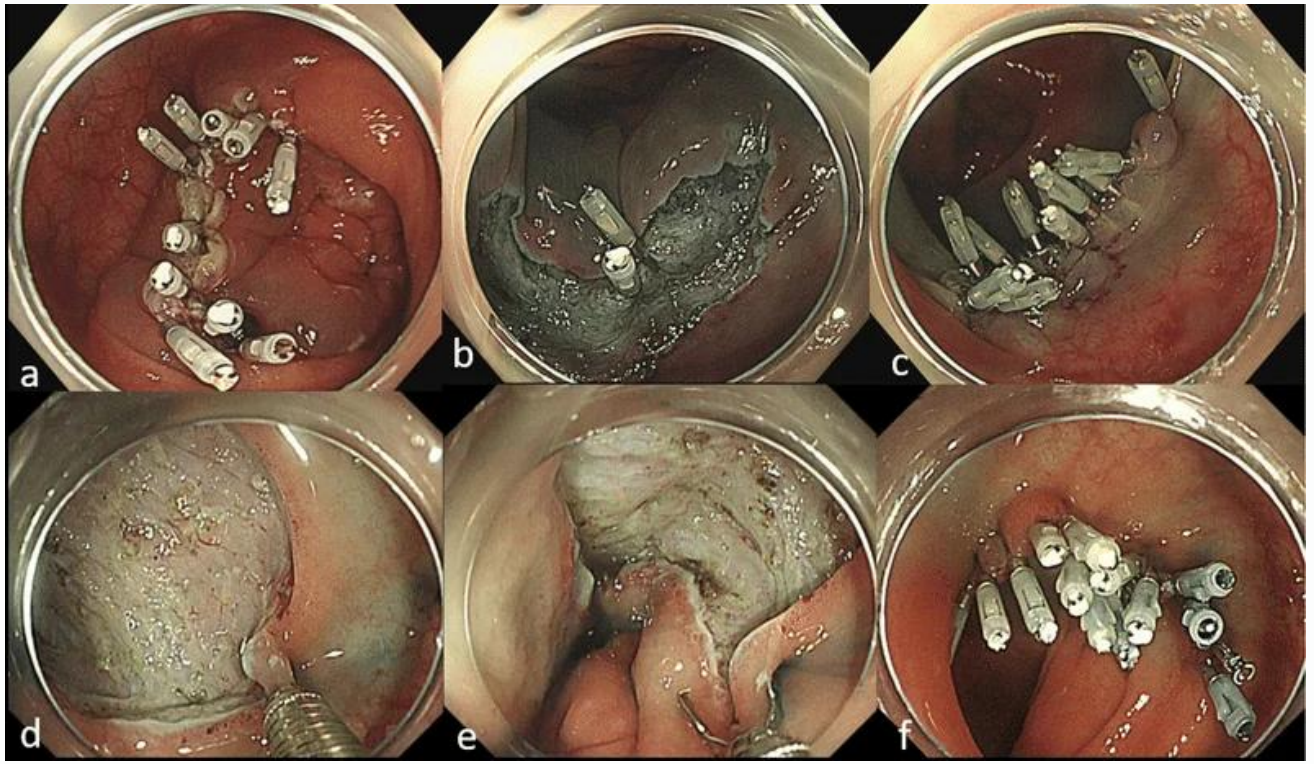
- Use of current
- Cutting
- Coagulation



Colonoscopy equipment

Hemostatic clips

- Through the scope (TTS)
- Preloaded / loading catheter
- Open / close
- Rotatable
- Different sizes (up to 20 mm)







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Colonoscopy equipment



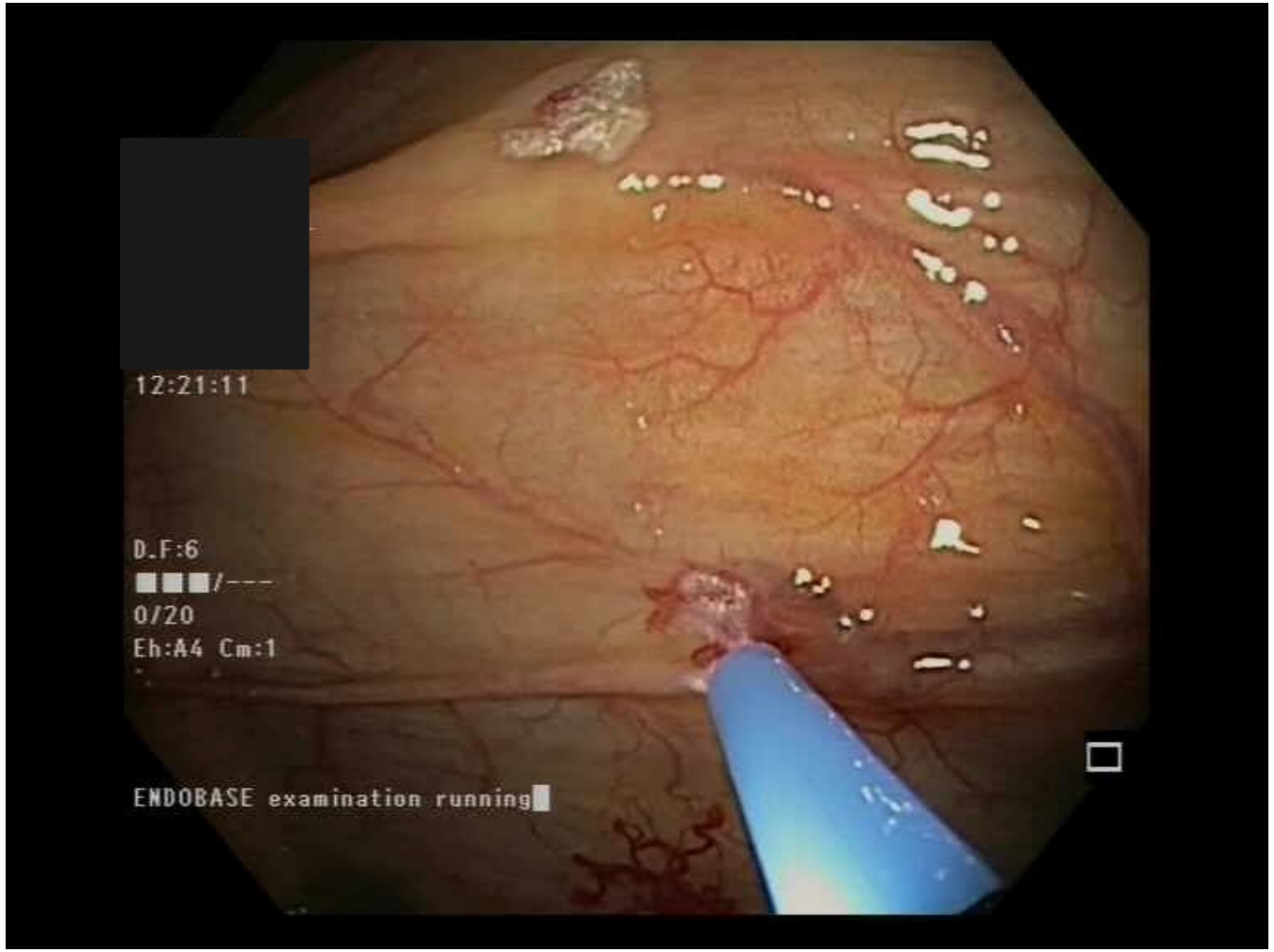
Pedunculated polyp

Polypectomy snare

EndoLoop

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Colonoscopy equipment



Angiodysplasia / AV malformation
Argon Plasma Coagulation probe

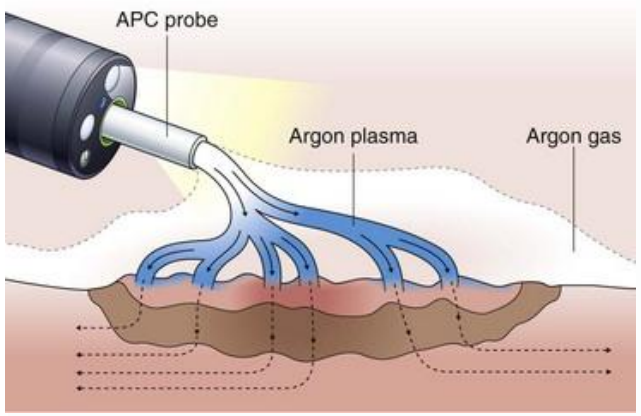
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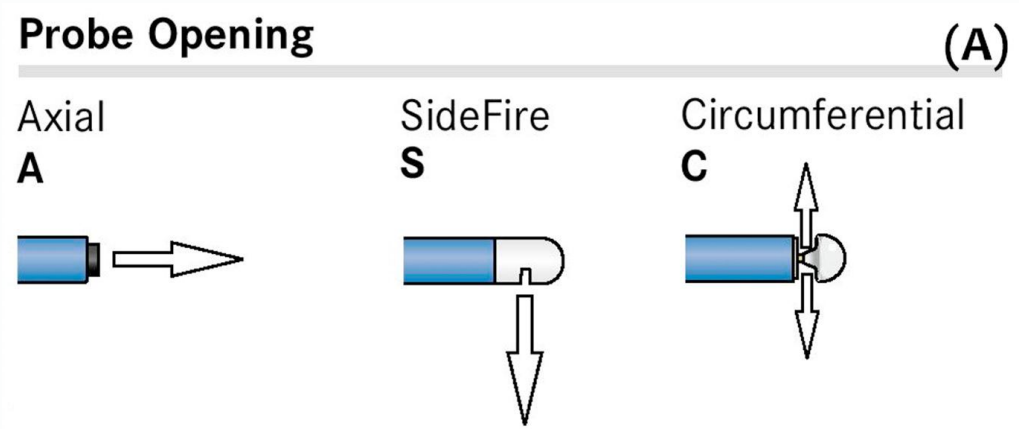
Colonoscopy equipment

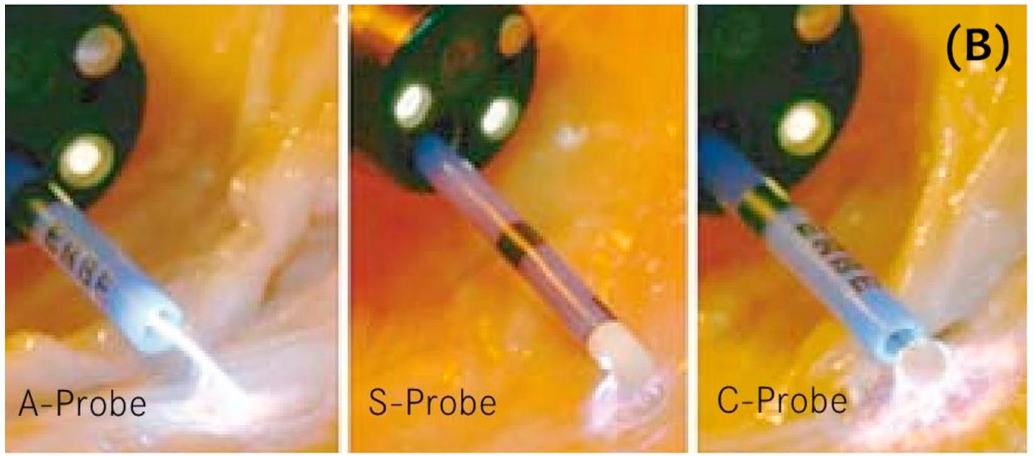
Argon Plasma Coagulation (APC) probe

- Different types (forward / sideways)
- Different diameter
- Electrosurgical unit
- Use of current to ignite the Argon gas









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Colonoscopy equipment



Flat polyp

Endoscopic Mucosal Resection

Injection needle

Polypectomy snare

Biopsy forceps

Argon Plasma Coagulation probe

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Colonoscopy equipment

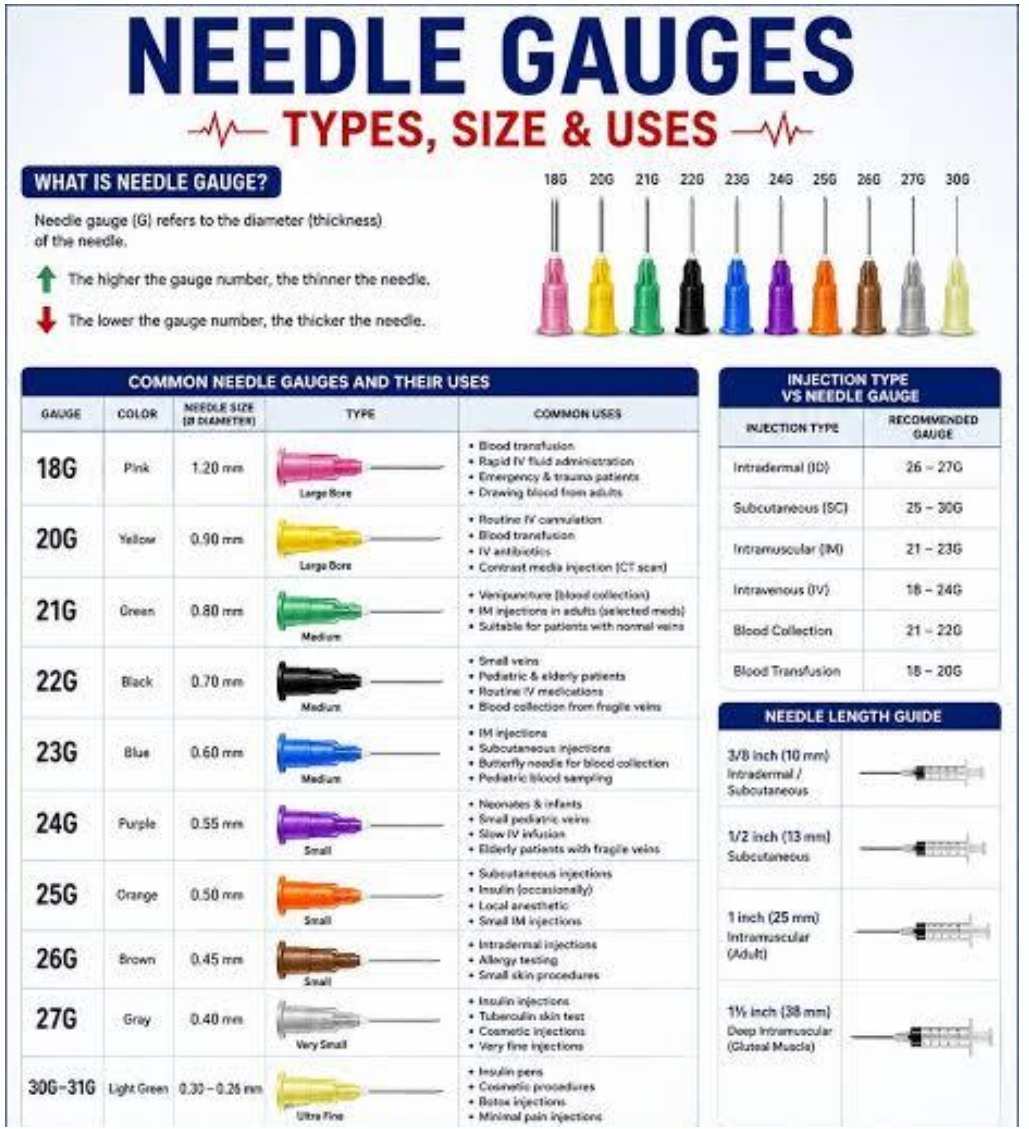
Injection needles

- Diffferent diameter (in Gauge)
- Submucosal injection
- Open / close !

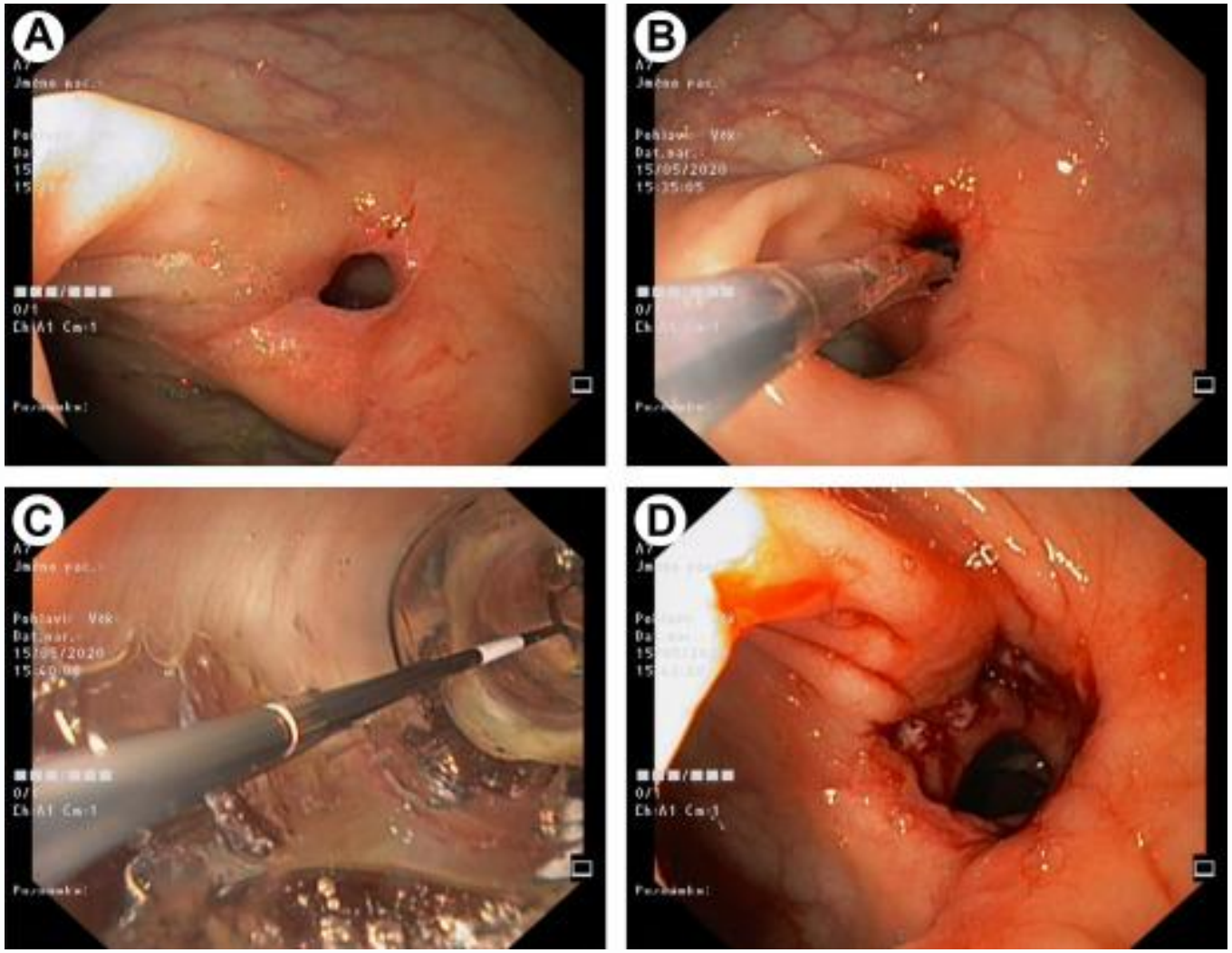






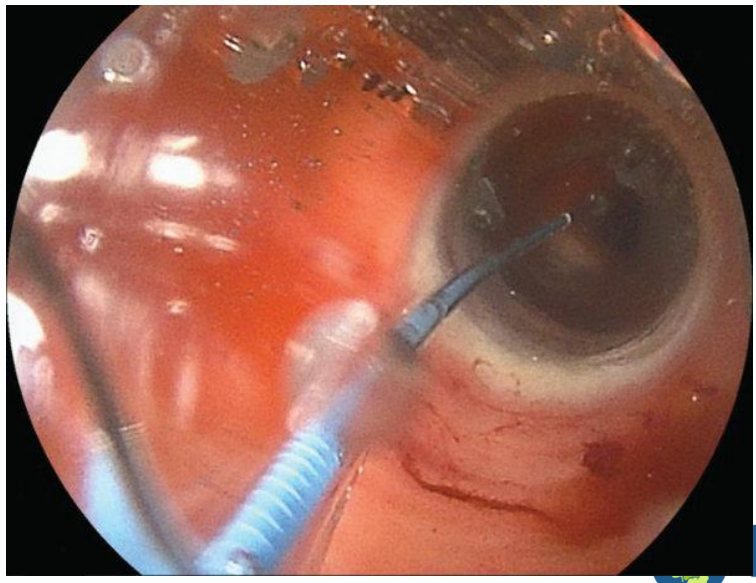


Colonoscopy equipment



Stricture dilation

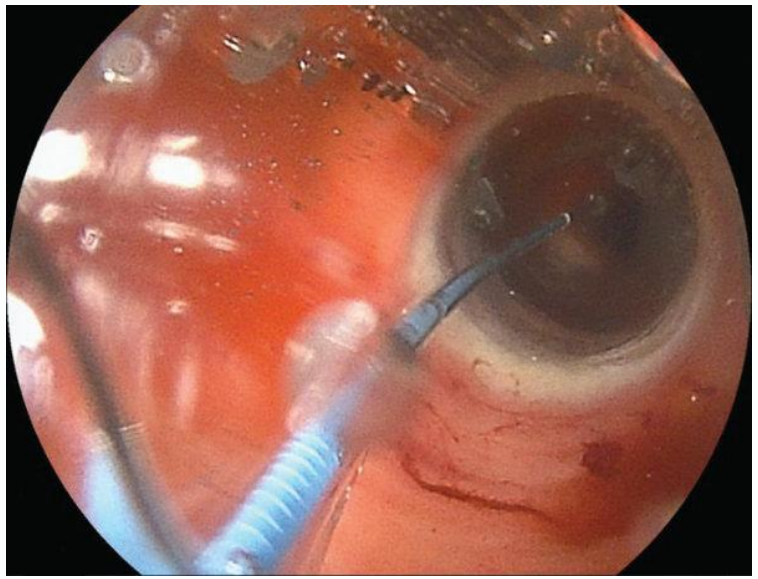
- Dilation balloon

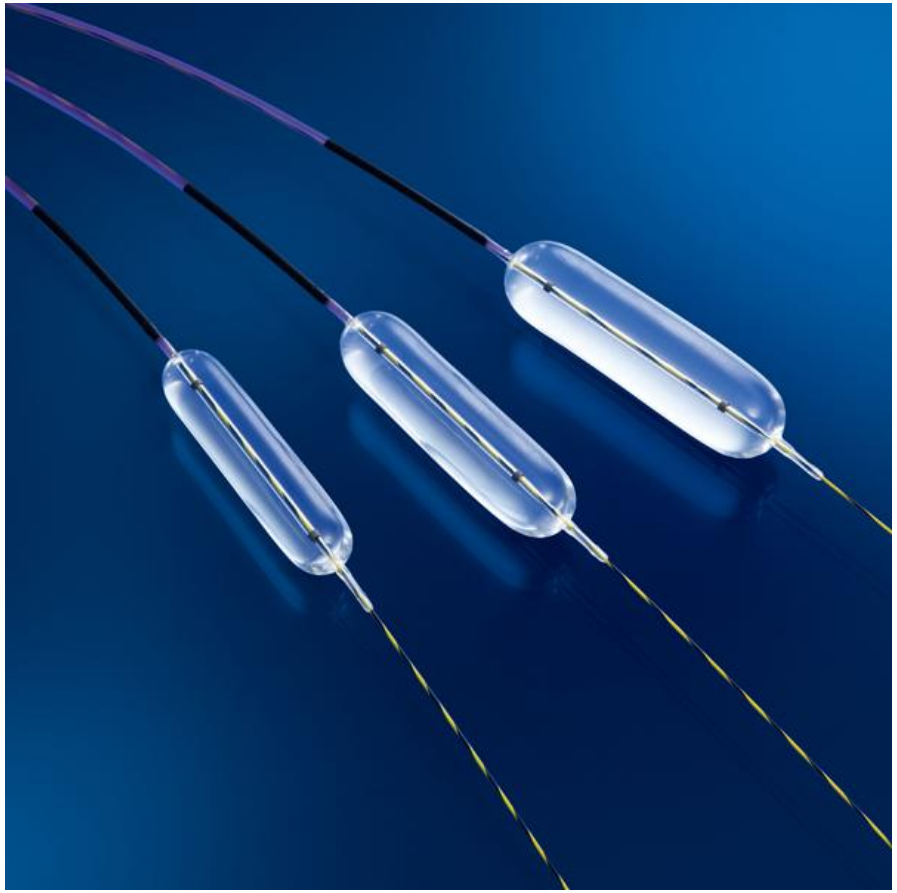


Colonoscopy equipment

Dilation balloons

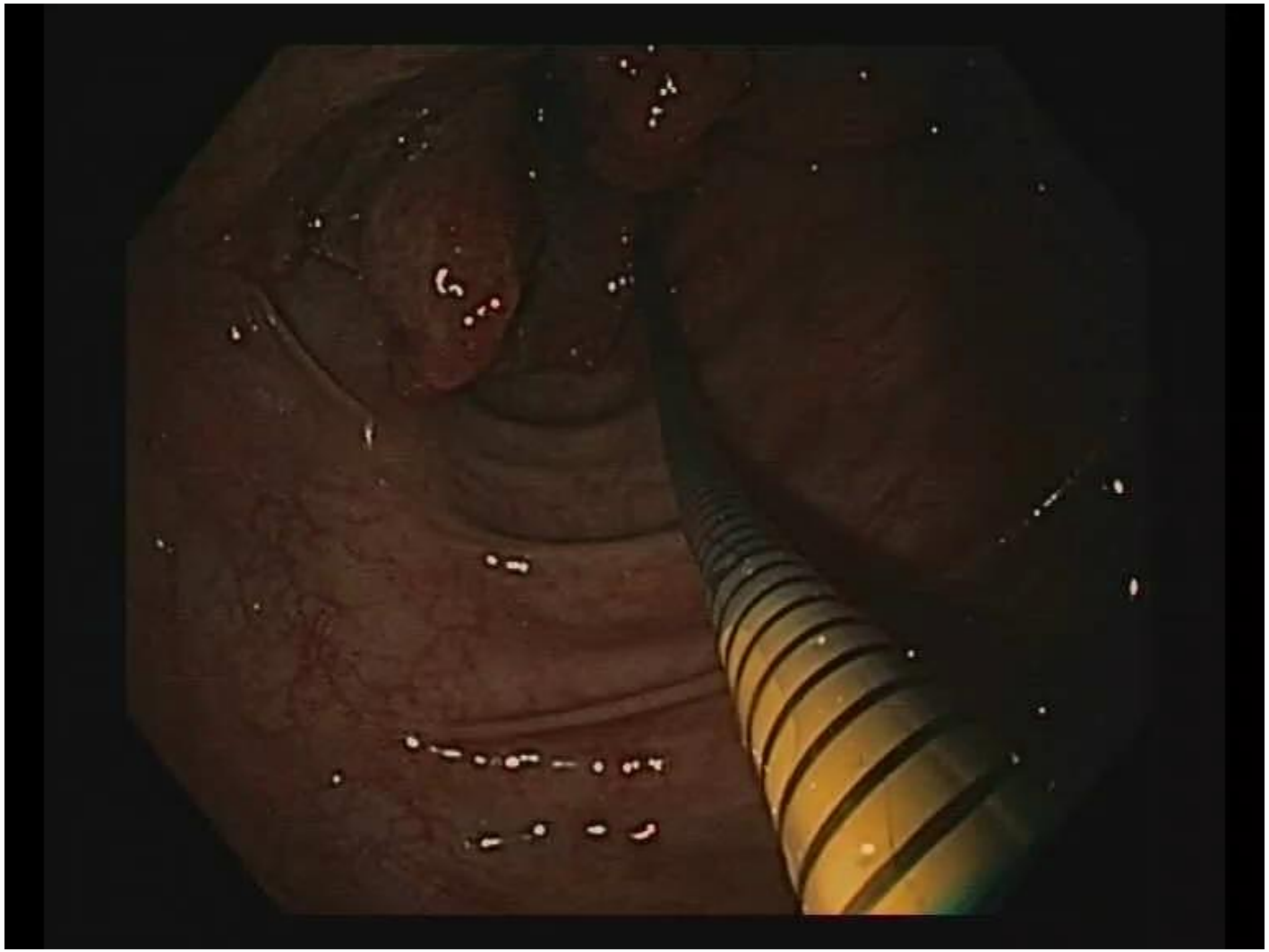
- Different sizes
- 6 - 20 mm
- Manual pump







Colonoscopy equipment



Colonic carcinoma

Self Expandable Metallic Stent

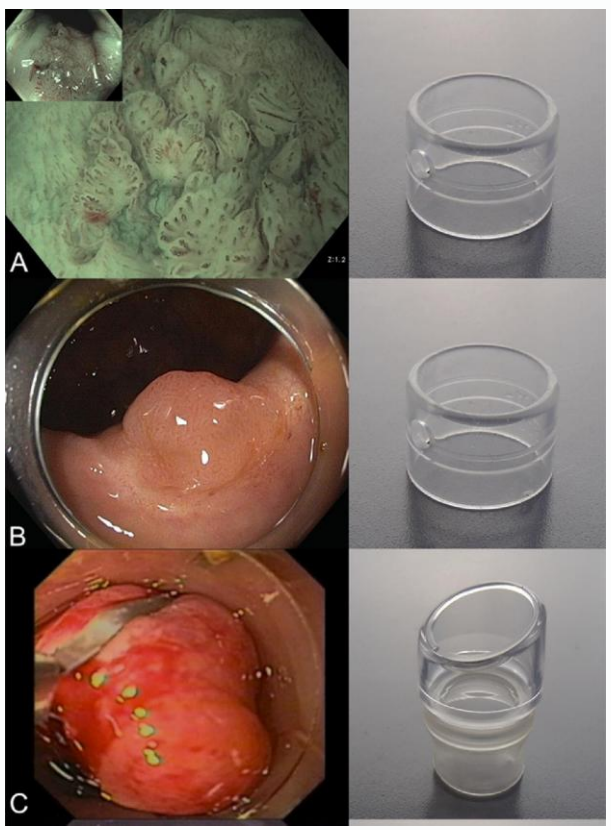
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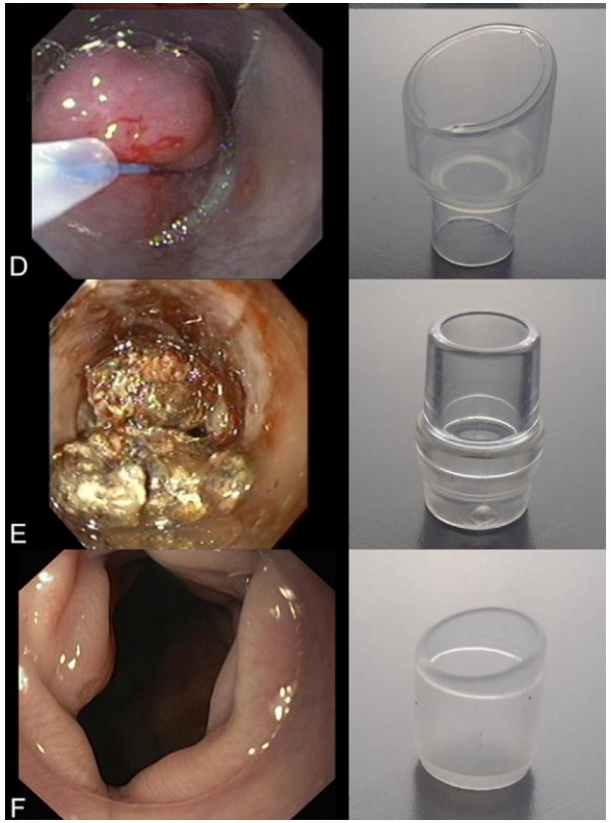
Colonoscopy equipment

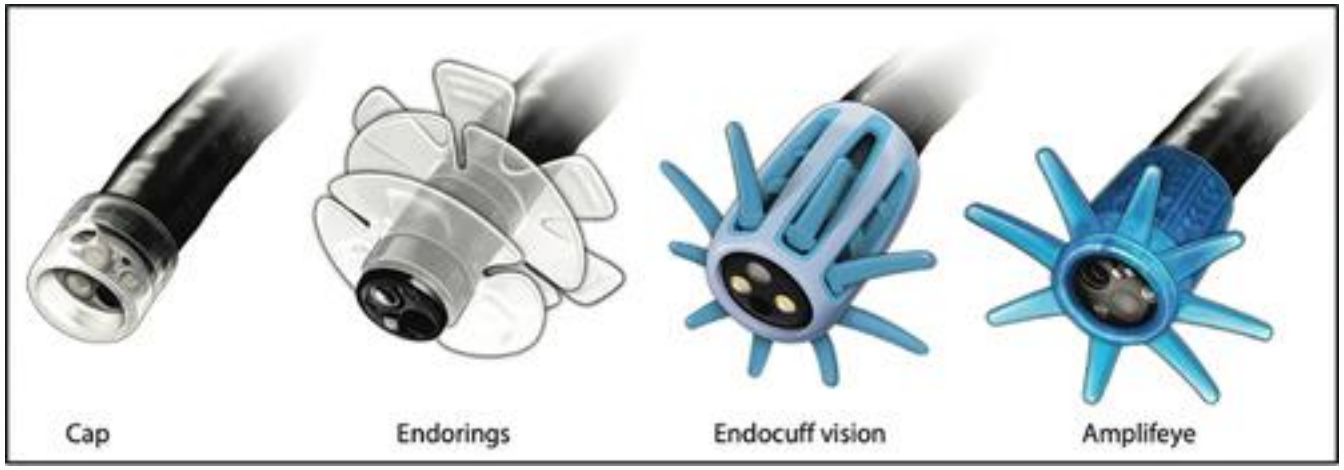
Distal cap / transparant hood

- Different sizes
- Different forms
- Different purposes
- Facilitate mucosal exposure
- Facilitate therapeutic interventions







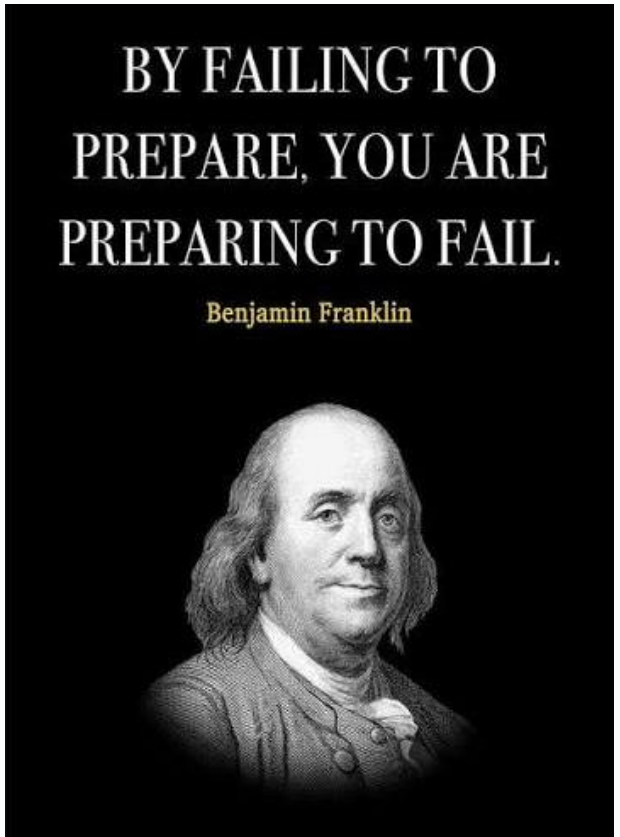


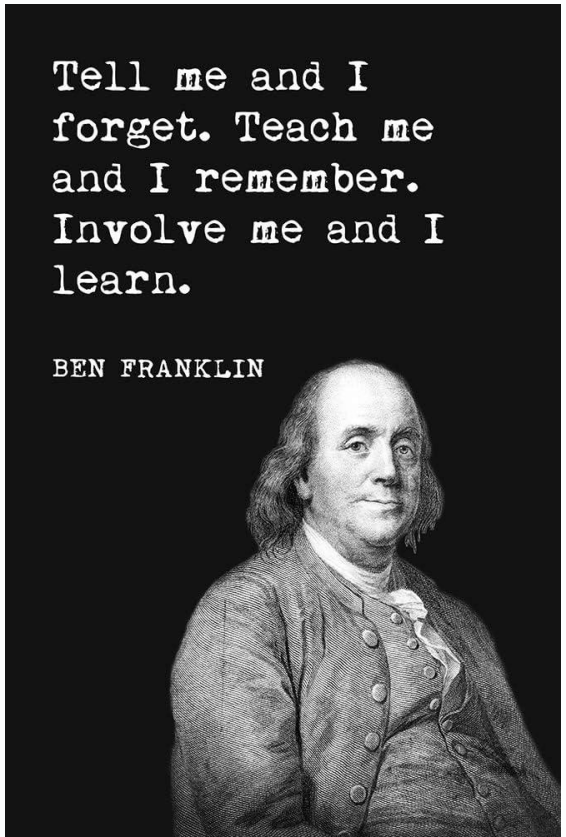
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Colonoscopy equipment

And this is just the beginning…

- There is more to come
- Know the procedure, know the material





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