

# Endo Skills 2023: Faculty/Presenter Disclosure

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- Relationships that may introduce potential bias and/or conflict of interest:
  - Grants/Research Support: None
  - Speakers Bureau/Honoraria: Pendopharm, Boston Scientific
  - Consulting Fees: None



### Objectives

- Review appropriate technique of snare excision hot and cold
- Discuss management of advanced pedunculated lesions

### Pedunculated lesions

• Two important considerations

- <u>Complete</u> resection of adenomatous portion
  - Inspection of lesion for demarcation of polyp portion
- Mitigation of risk, namely bleeding
  - Stalk houses vascular supply to polyp head
  - Risk is largely that of immediate bleeding, but delayed bleeding should be noted

5

### General approach

- <10mm
  - Can be taken with cold snare
- >10mm
  - Recommend removal with electrocautery
- Transection should be at the **middle to lower stalk** in order to provide adequate specimen for histologic assessment of stalk invasion
- Retrieve polyp specimen en bloc to ensure ability to assess resection margins rather than dividing polyp heads to facilitate through-the-scope specimen retrieval

### Complex pedunculated lesions

• Which stalks warrant pre-treatment consideration?

- Stalk diameter > 5mm
- Polyp head > 20mm
- Difficult positioning
- Patient factors for increased bleeding ASA, NSAIDs, renal disease, etc



## Pre-treatment options

• Goal is to reduce (eliminate) immediate bleeding and prevent delayed bleeding

#### • Pharmaceutica

• Epinephrine for vasoconstriction

#### Mechanical

- Clips
- Ligature/loops
- Electrocautery

### Epinephrine

- Limited data
- Small case series (n 3) suggested reduced size of head and increased en bloc removal with 4-8cc of 1:10000 injectioRB GIE 2007
- Comparison to mechanical ligation shows relative inferiority for immediate and delayed bleeding Kouklakis G Surg Endosc 2009

9

### Mechanical ligation

- Clips
  - Benefits include familiarity, rotatability, ease of application
  - Downside could be potentiation of cautery leading to wall injury

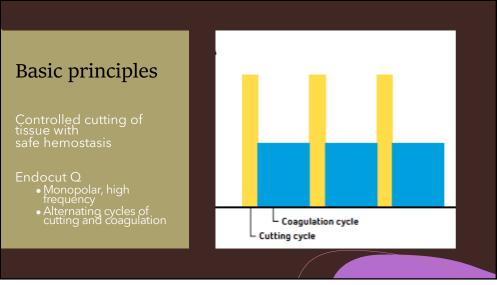
#### • Loops

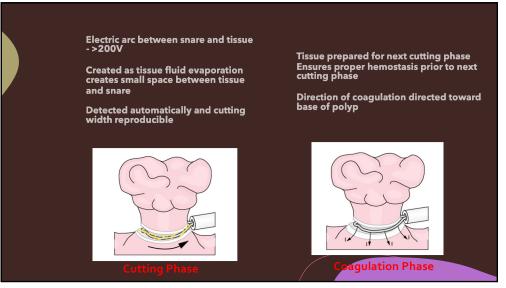
- Allow for secure, reliable control of stalk
- Highly user dependent

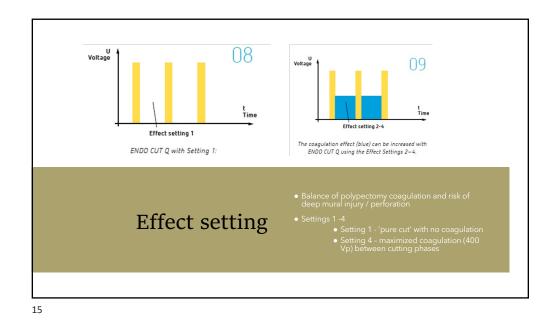
### Endoloop

- Requires <u>understanding</u> and <u>communication</u> between MD and RN
- Incorrect deployment can result in significant increased difficulty and risk of incomplete resection
- Head to head (clips vs. loops) have shown similar bleeding risk (~5%) Ji JS Endoscopy 2014











### Take home points

- Pedunculated polyps require close examination to optimize goal of complete en bloc removal
- Never a fault to pretreat a stalk to reduce bleeding
- Understand the appropriate use of cautery settings to achieve safe removal

