

Tools to Make Your Job Easier - Snare

Rachid Mohamed
University of Calgary

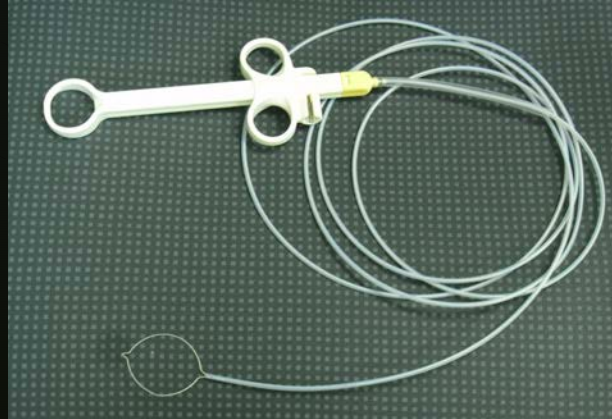
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Objectives

- Understand the principles of snare design and function
- Review the features of cold and hot snare
- My recommendations on how to stock an endoscopy unit

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What makes up a snare?



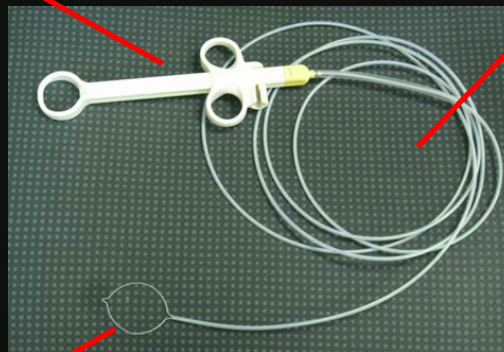
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Handle

- Ergonomics
- Responsiveness
- Electrocautery?

Sheath

- Stiffness
- Pass ability
- Role in polypectomy



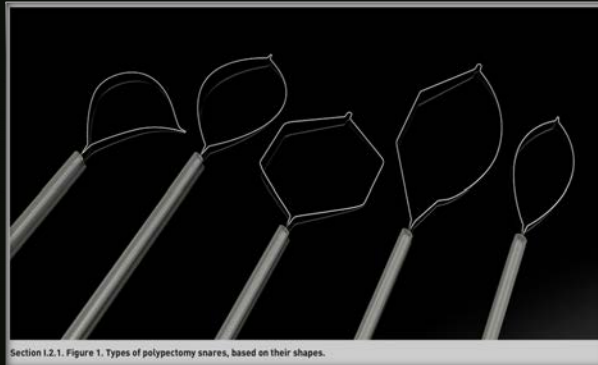
Snare

- Shape
- Size
- Wire dimension
- Wire configuration

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Focus on the snare

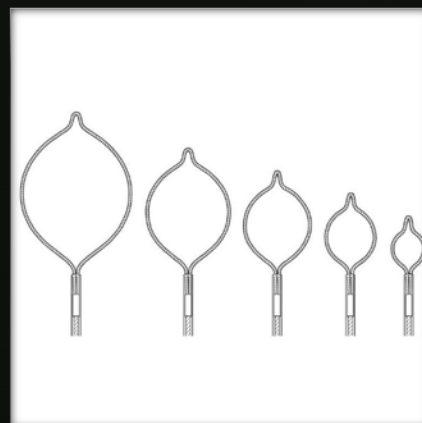
- Shape
 - Round / elliptical most common
 - Often personal preferences



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Focus on the snare

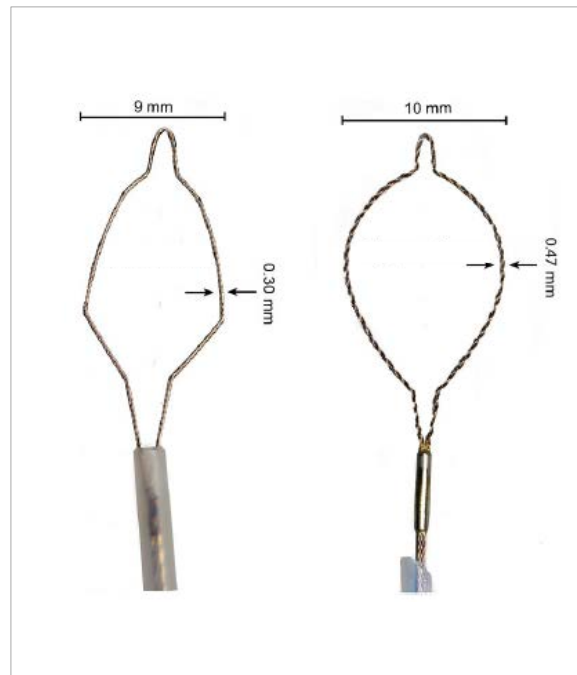
- Size
 - Important to choose the correct size for the desired outcome (no more "give me a snare")
 - Smaller allows more maneuverability
 - Diameter of snare does not limit the size of polyp that can be removed
 - Also speaks to our inaccuracies in estimating polyp size



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Focus on the snare

- Wire dimension
 - Can tenths of mm really make a difference??



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It depends on your desired outcome

- Thin wire snares
 - Anchor to and grasp tissue more desirably
 - Permit more rapid and complete transection of tissue without the use of cautery
- Thick wire snares
 - Allow controlled passage of electrocautery
 - Avoids undesired rapid transection

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Differences for nursing assistant

- Different feel of ensnared polyp tissue
- Transection feedback

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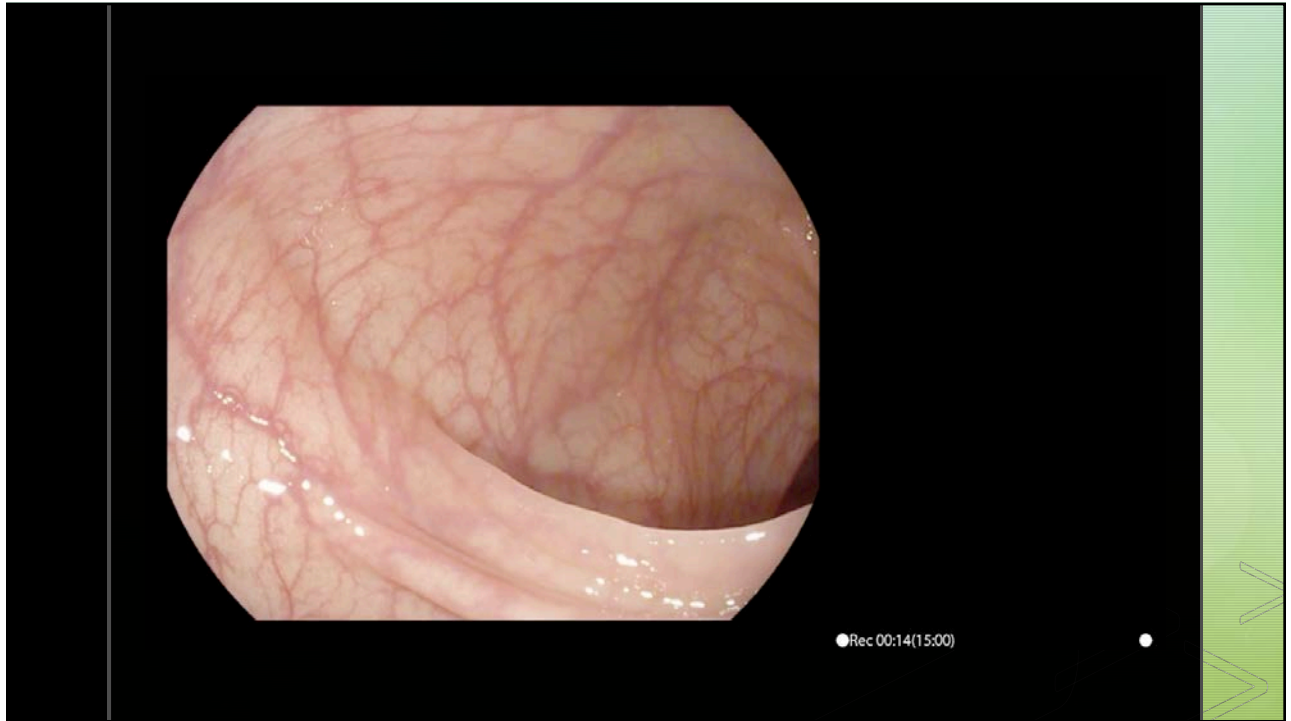
Thin vs thick wire – Cold Snaring

- Comparative, prospective RCT
- N - 210

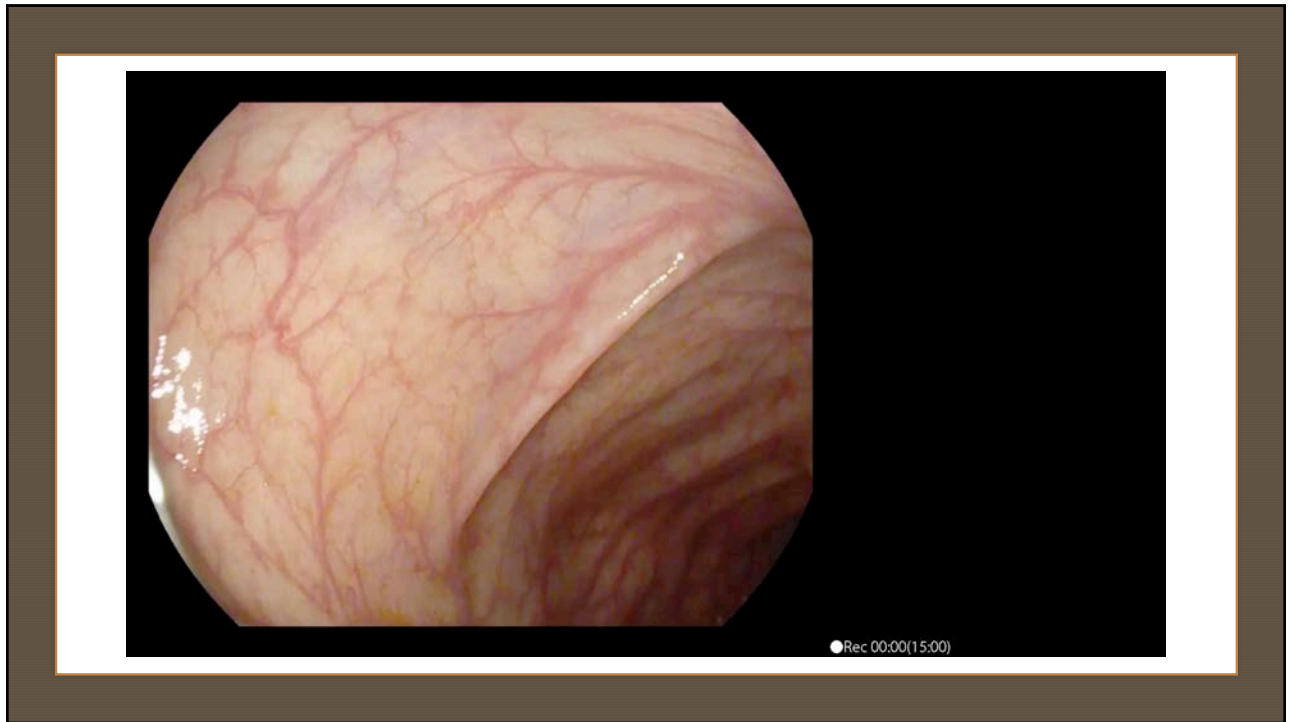
	Dedicated cold snare group	Traditional cold snare group	P value
Total	91 (89/98)	79 (88/112)	.015
Size, mm			
≤5	92 (35/38)	91 (41/45)	.87
6-7	93 (39/42)	82 (37/45)	.14
8-10	83 (15/18)	45 (10/22)	.014
Location			
Left colon	95 (38/40)	82 (40/49)	.06
Right colon	88 (51/58)	76 (48/63)	.10
Shape			
Flat	74 (17/23)	42 (8/19)	.037
Sessile	96 (64/67)	91 (74/81)	.32
Pedunculated	100 (8/8)	50 (6/12)	.017

Horiuchi a et al. GIE 2015

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So what to use?

- The majority of polyps removed are <10mm
- Current guidelines support CSP for polyps < 10mm
- 'Workhorse' snare should target these lesions

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So what to use?

- Some polyps warrant electrosurgery
 - Pedunculated lesions
 - Lesions > 10-15mm
 - Lesions appropriate for complex mucosal resection

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My recommendations

- 1. Cold snare
 - User preference, size 8-12mm
 - 90% of stock
- 2. Hot snare
 - 10-15mm in size; useful for pedunculated lesions, EMR
 - 9% of stock
- 3. Specialty snares
 - Large diameter (25-30mm) - for rare large pedunculated lesion
 - Braided, anchoring, etc
 - 1% of stock

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