

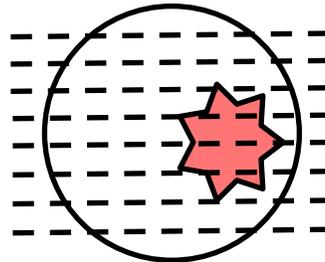
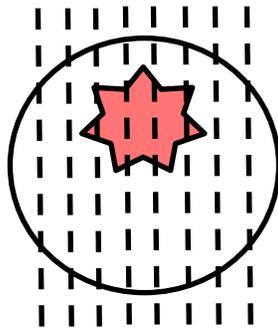
GASTROINTESTINAL PATHOLOGY GROSSING GUIDELINES

Specimen Type: EMR (Endoscopic Mucosal Resection) or ESD (Endoscopic Submucosal Resection)

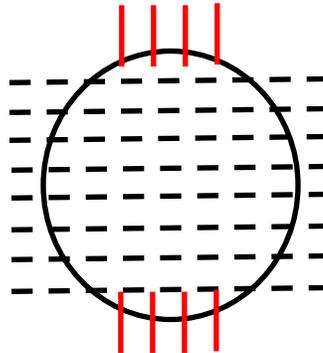
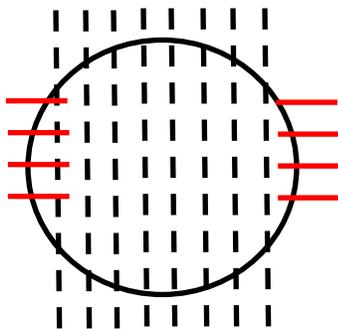
Note: Please page/notify the GI biopsy fellow on service to review the gross specimen

Procedure:

1. Measure and provide orientation.
 - a. If unoriented -- ink should be applied on the peripheral and deep margins (1 color only)
 - b. If oriented, ink peripheral margins differentially (similar to skin specimen; e.g., 12-3:00 blue, 3-6:00 green, 6-9:00 purple, 9-12:00 orange, deep- black) and indicate orientation in the cassette summary
2. Section at 2mm intervals
 - a. If a gross lesion is identified- section along the axis to allow for evaluation of the lesion to the nearest peripheral margin:



- b. If no gross lesion is identified OR if the lesion appears to completely involve all margins, section along the long axis. Take **perpendicular sections** of the first and last slices to allow for complete evaluation of the margins:



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Gross Template:

MMODAL COMMAND: "INSERT ENDOSCOPIC"

It consists of is an unoriented [EMR/ESD***] specimen, measuring [*** x ***] cm, excised to a depth of [***] cm. [Describe any lesions – including size in three dimensions, borders, color, shape, and distance to all margins***]. The specimen is sectioned to reveal [describe cut surface***]. The lesion is located [***] cm from the nearest resection margin. Gross photographs are taken. The specimen is entirely submitted.

INK KEY:

Green Peripheral and deep margins

[insert cassette summary***]

MMODAL COMMAND: "INSERT ENDOSCOPIC ORIENTED"

It consists of is an oriented [EMR/ESD***] specimen, with [describe orientation sutures***]. The specimen measures [***] cm from 12-6:00, [***] cm from 3-9:00, and is excised to a depth of [***] cm. The mucosal surface is remarkable for [Describe any lesions – including size in three dimensions, borders, color, shape, and distance to all margins***]. The lesion is located [***] cm from 12:00, [***] cm from 3:00, [***] cm from 6:00, [***] cm from 9:00. The specimen is sectioned [provide orientation, from 12-6:00***] to reveal [describe cut surface***]. The lesion is located [***] cm from the deep surface. Gross photographs are taken. The specimen is entirely submitted.

INK KEY:

Blue 12-3:00
Red 3-6:00
Green 6-9:00
Orange 9-12:00
Purple Deep

[insert cassette summary***]

Cassette Submission: 5-10 cassettes

- Submit levels sequentially into cassettes
 - o End margins are in separate cassettes and perpendicularly sectioned (see diagram)
- Multiple levels can be placed into the same cassette
- The cassette key should clearly indicate what is submitted (ie, A1: level one, perpendicularly, A2: next 3 serial slices, A3: Next 2 serial slices, A4: last slice, perpendicularly sectioned)

Sample Cassette Submission:

A1 One end, perpendicular
A2- A4 Central sections (lesion: A3 - A4)
A5 Opposite end, perpendicular