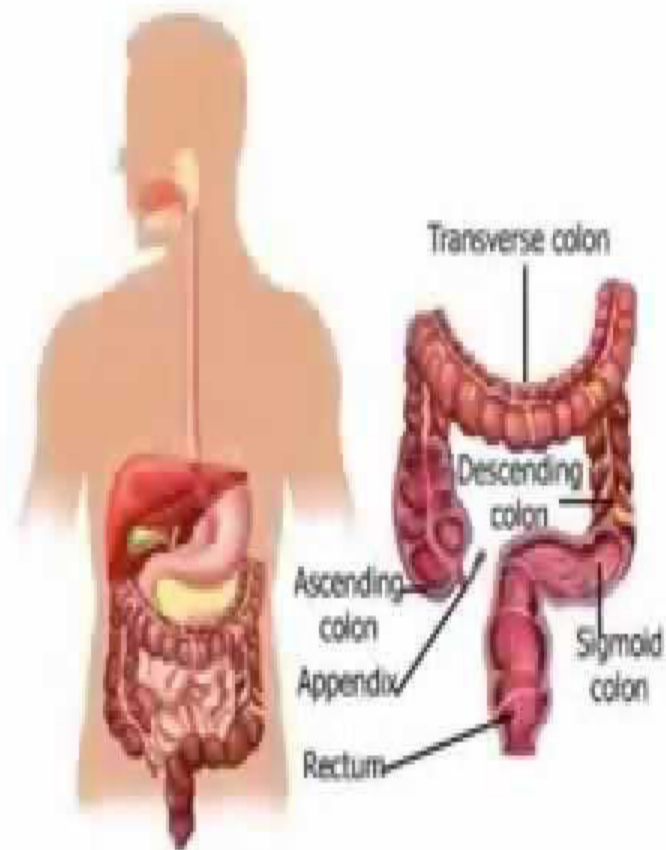


Prof. Dr.



Alaa El-Suity

Rectal Bleeding



What is rectal bleeding?

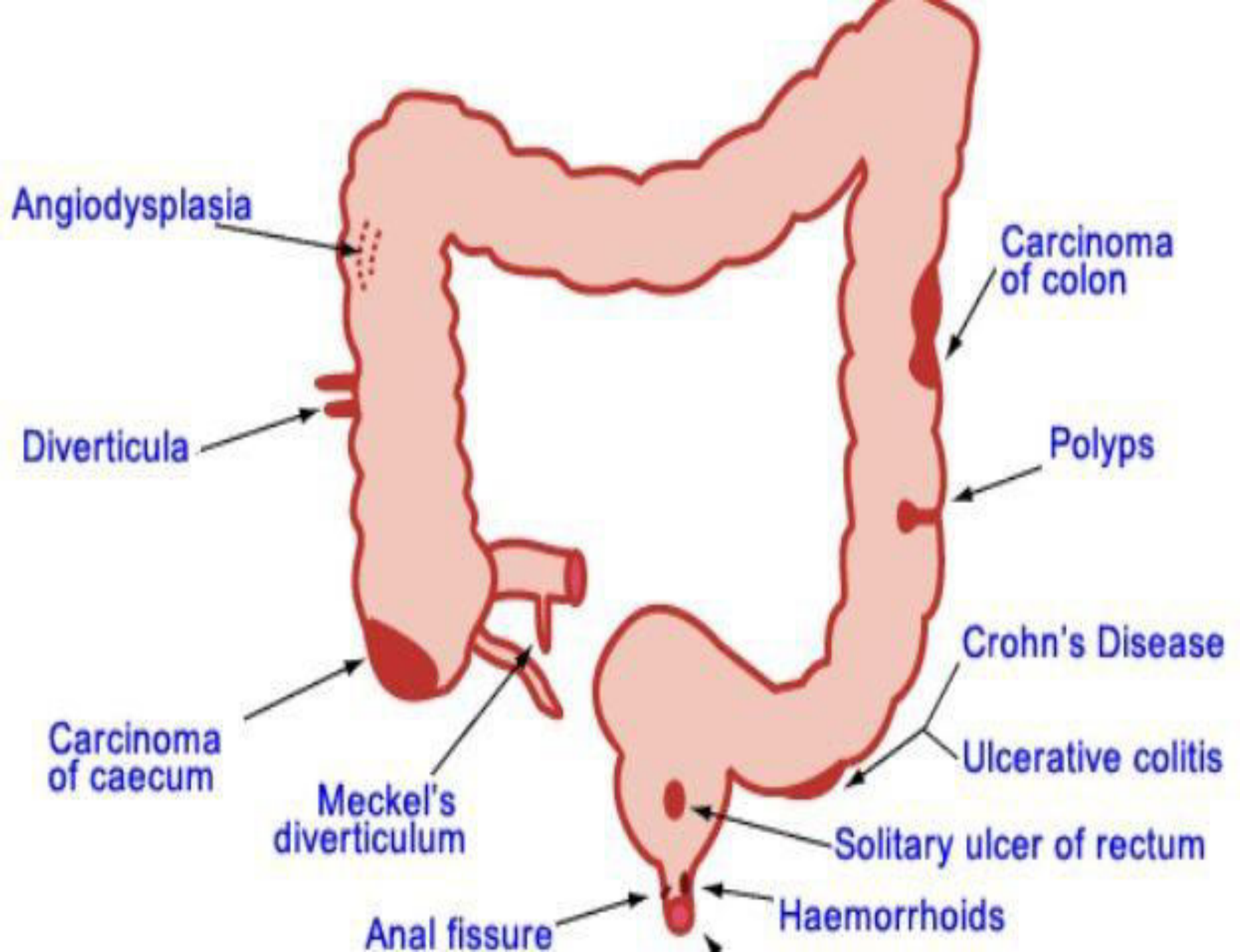
- Rectal bleeding is a symptom of a problem in the GI tract. Perirectal bleeding is bleeding in an area adjacent to the rectum .

Causes:-

- Common causes of rectal bleeding include:
- Anal fissure
- Hemorrhoids

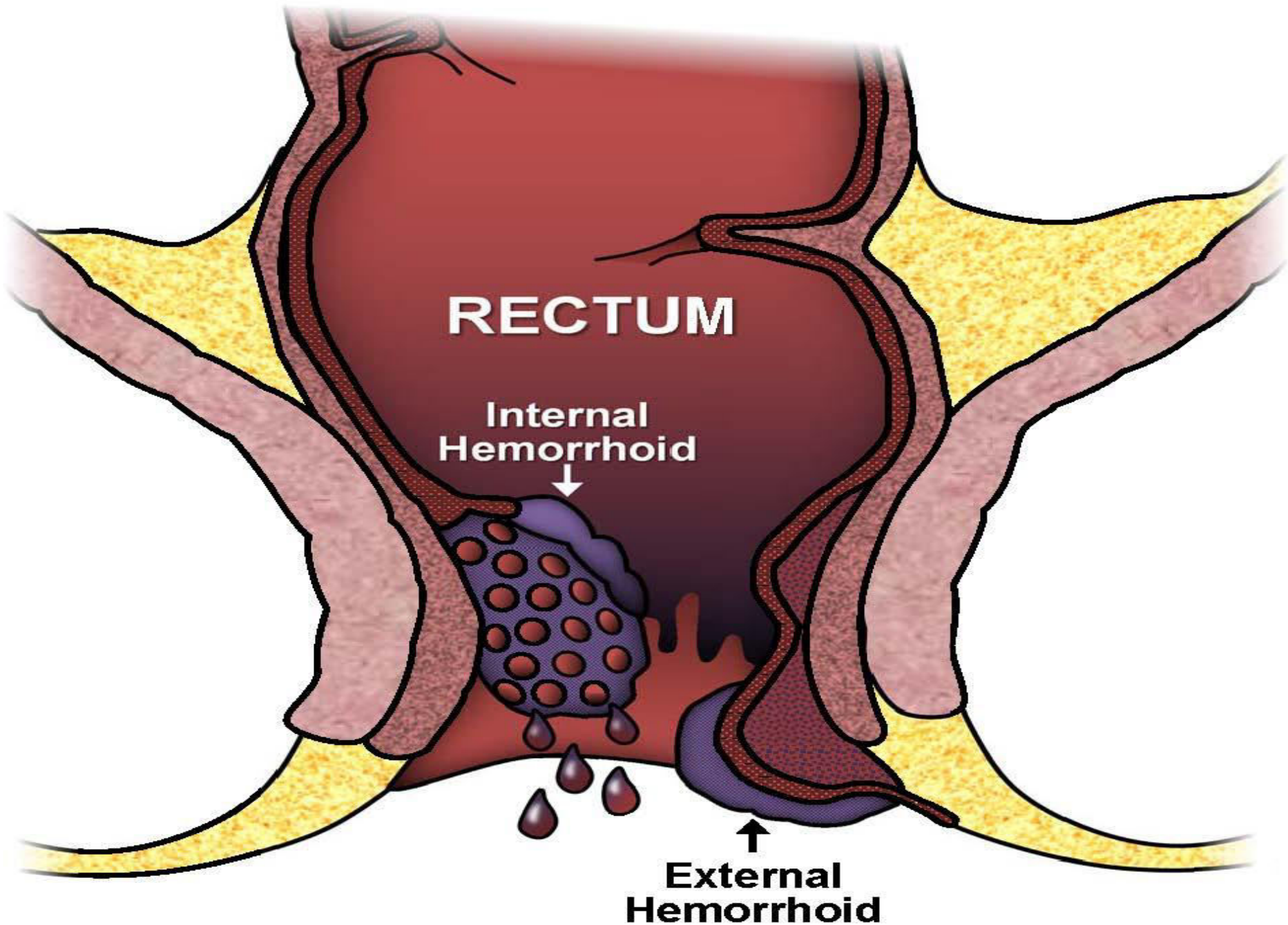
Causes:-

- Less common causes of rectal bleeding:
- Anal cancer
- Colon cancer
- Colon polyps
- Crohn's disease
- Angiodysplasia



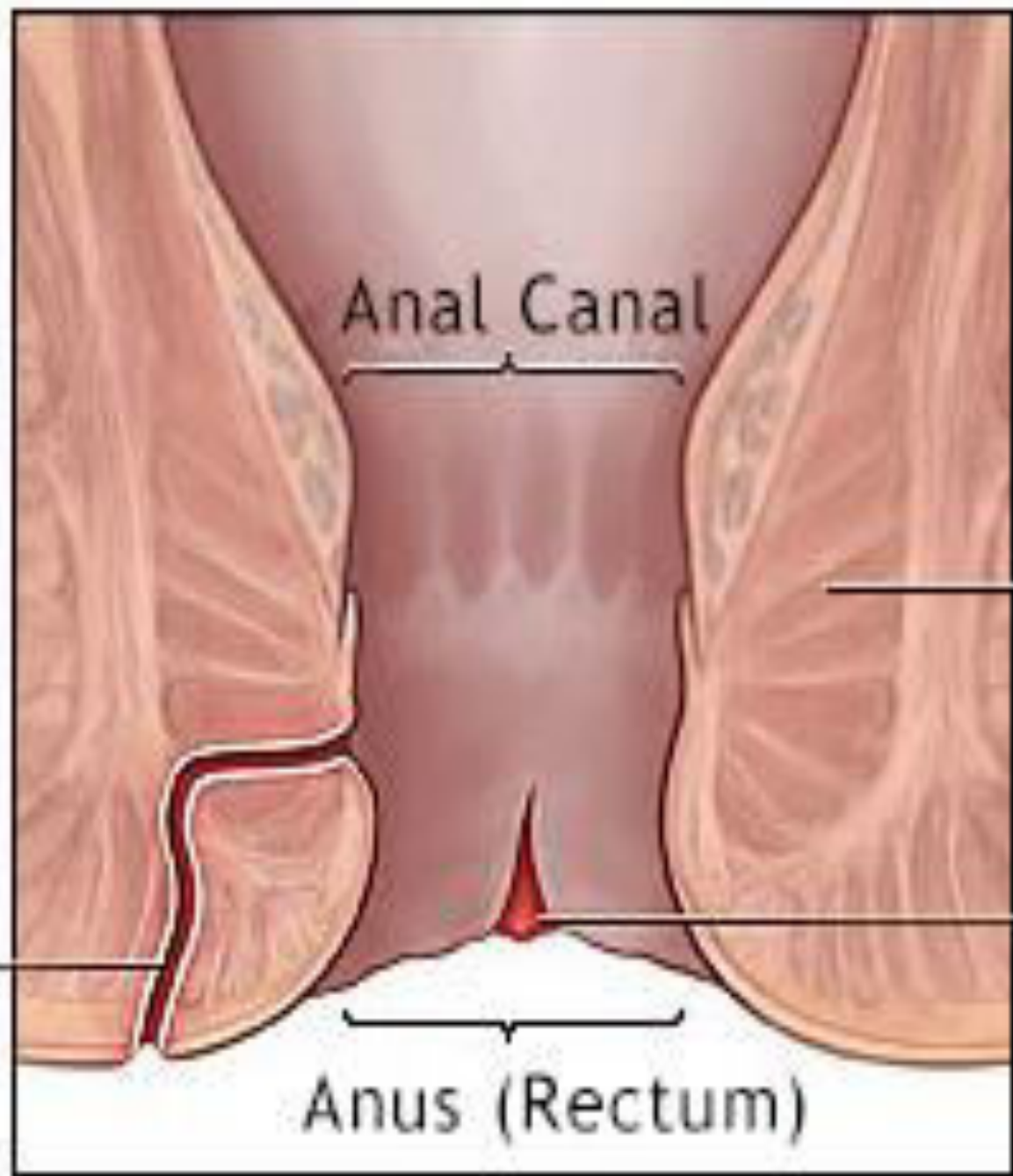
Anorectal Disorders

- **Hemorrhoids:** are swollen rectal veins in the anal and rectal area. They can cause burning, painful discomfort, and bleeding.



Anorectal Disorders

- Anal fissure:
- This is a tear in the lining of the rectum caused by the passage of hard stools.



Anal Canal

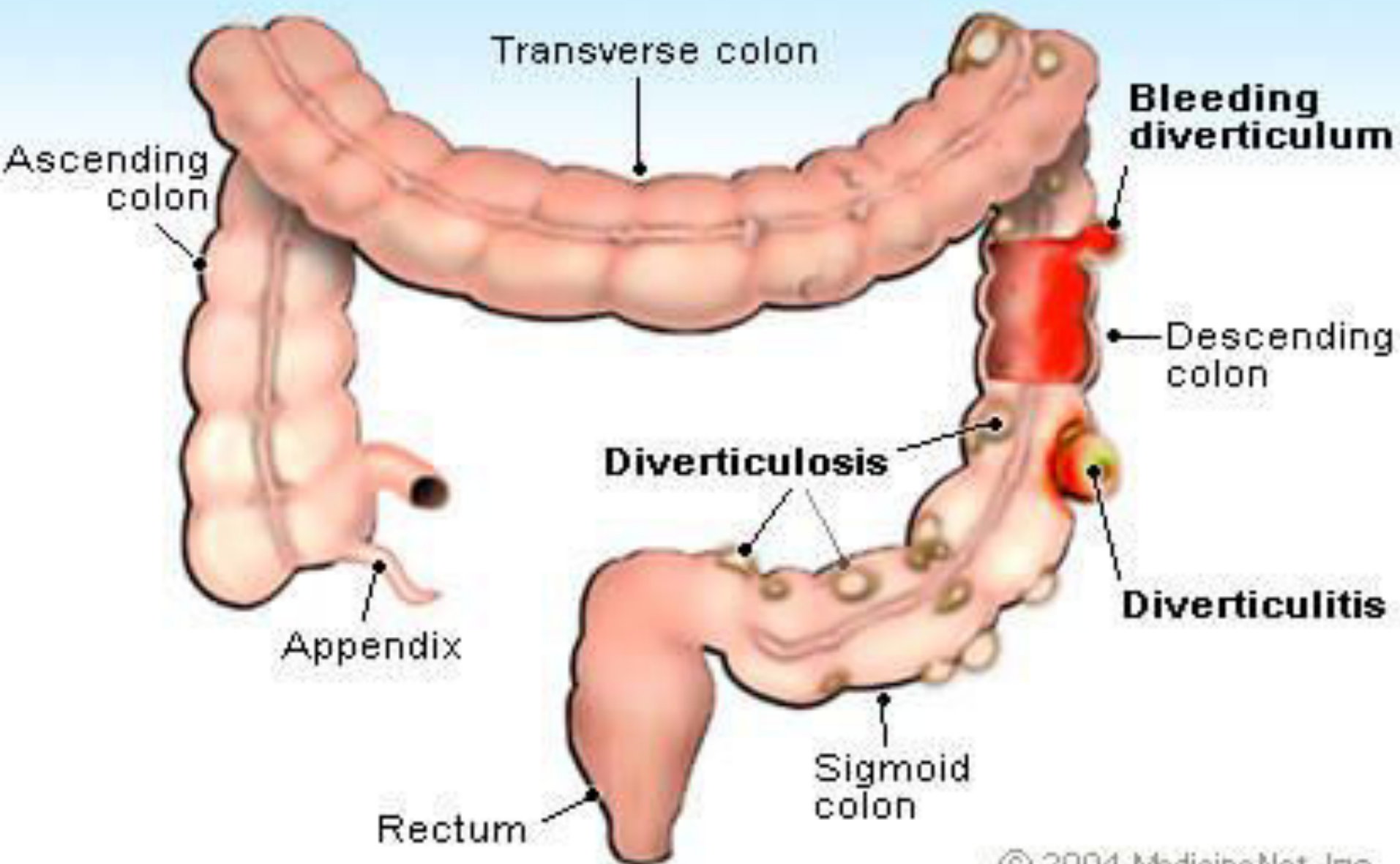
Sphincter
Muscle

Anal
Fistula

**Anal
Fissure
(Crack)**

Anus (Rectum)

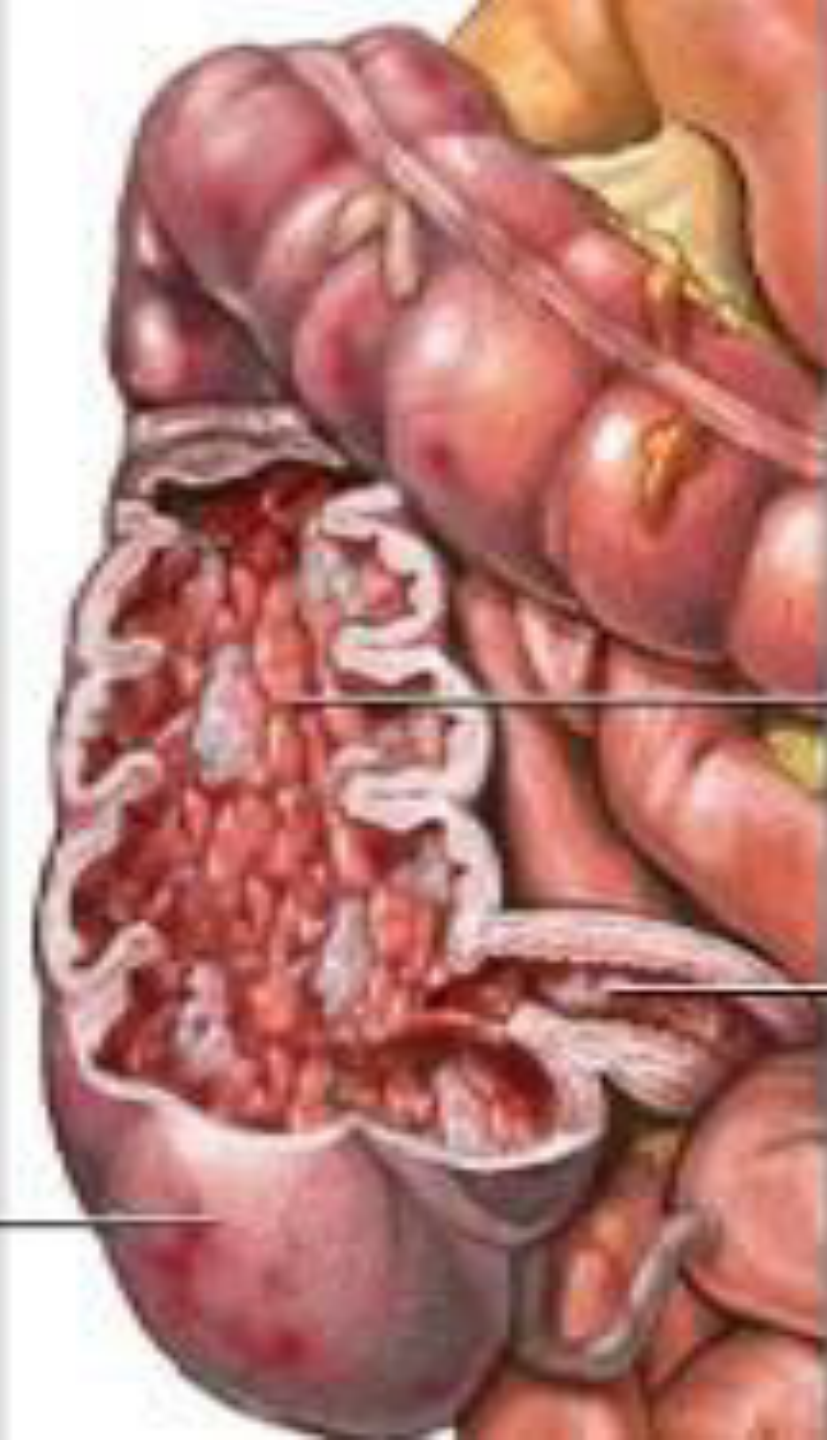
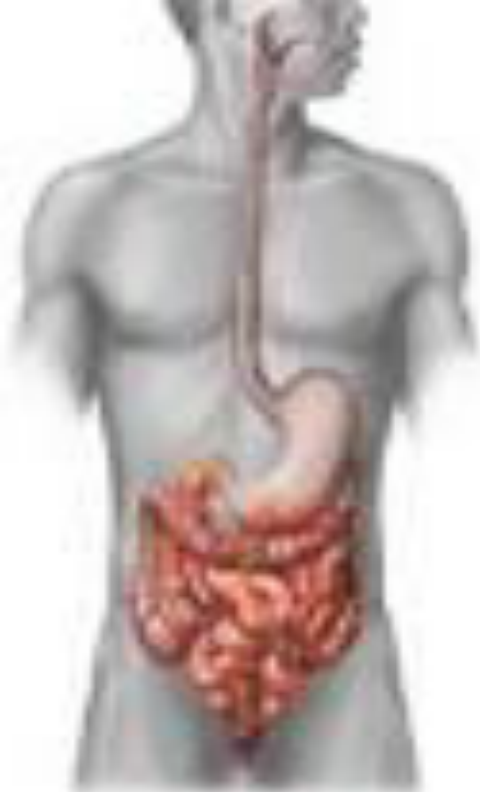
- ***Diverticulosis:***
- Diverticula are out-pouchings that project from the bowel wall.



Diverticular Disease

- *Infection:*
- Bacterial dysentery is commonly the source of infectious, bloody diarrhea.

- *Inflammation:*
- Inflammatory bowel disease (IBD) is a common cause of rectal bleeding in adults.
- Two common types of IBD include Crohn's disease and ulcerative colitis.

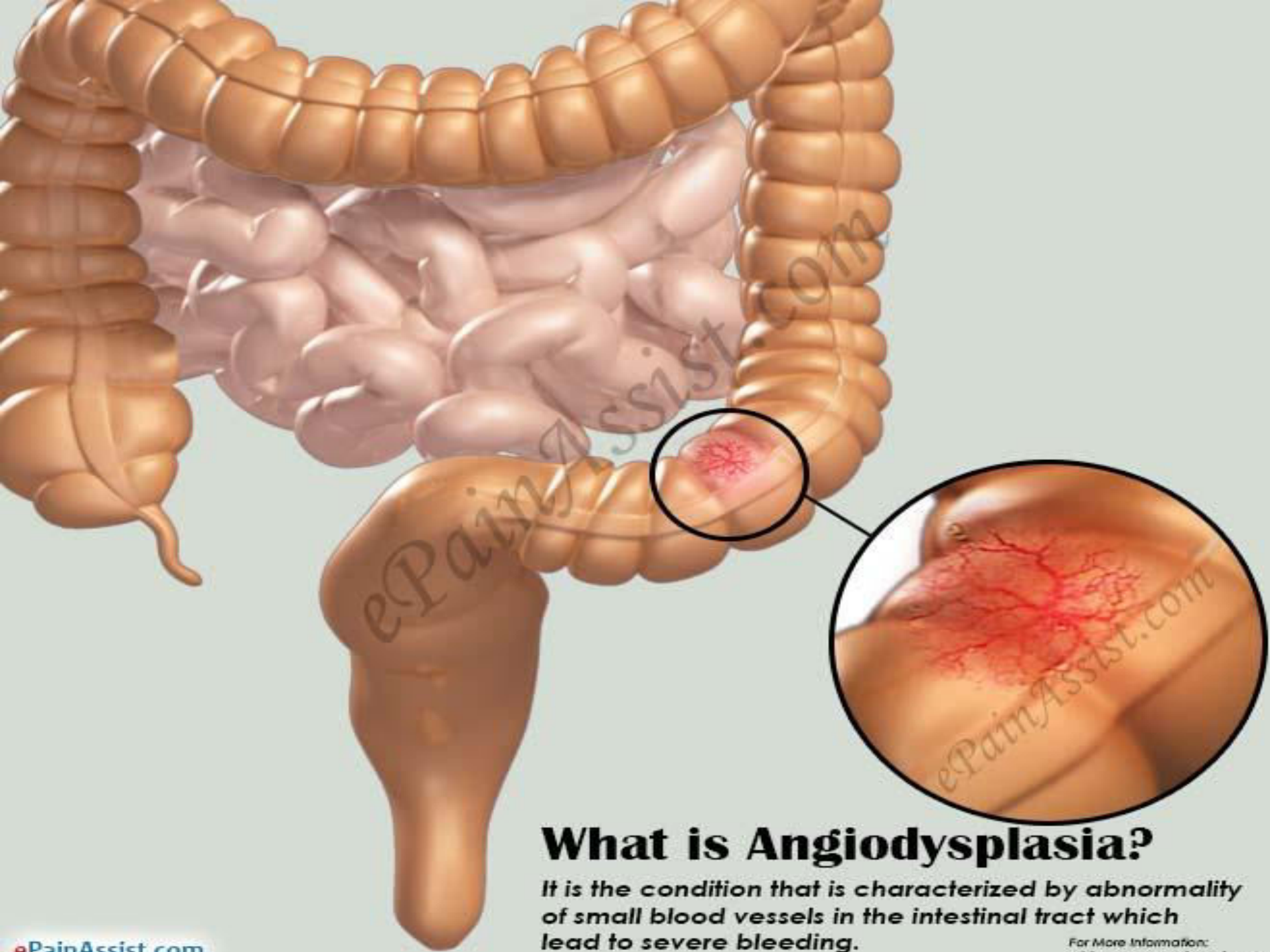


Inflammatory
bowel
disease (IBD)

Ileum
portion
of small
intestine

Cecum
portion
of large
intestine

- ***Angiodysplasia:***
- This is a vascular problem that involves enlarged veins and capillaries in the wall of the right colon.



What is Angiodysplasia?

It is the condition that is characterized by abnormality of small blood vessels in the intestinal tract which lead to severe bleeding.

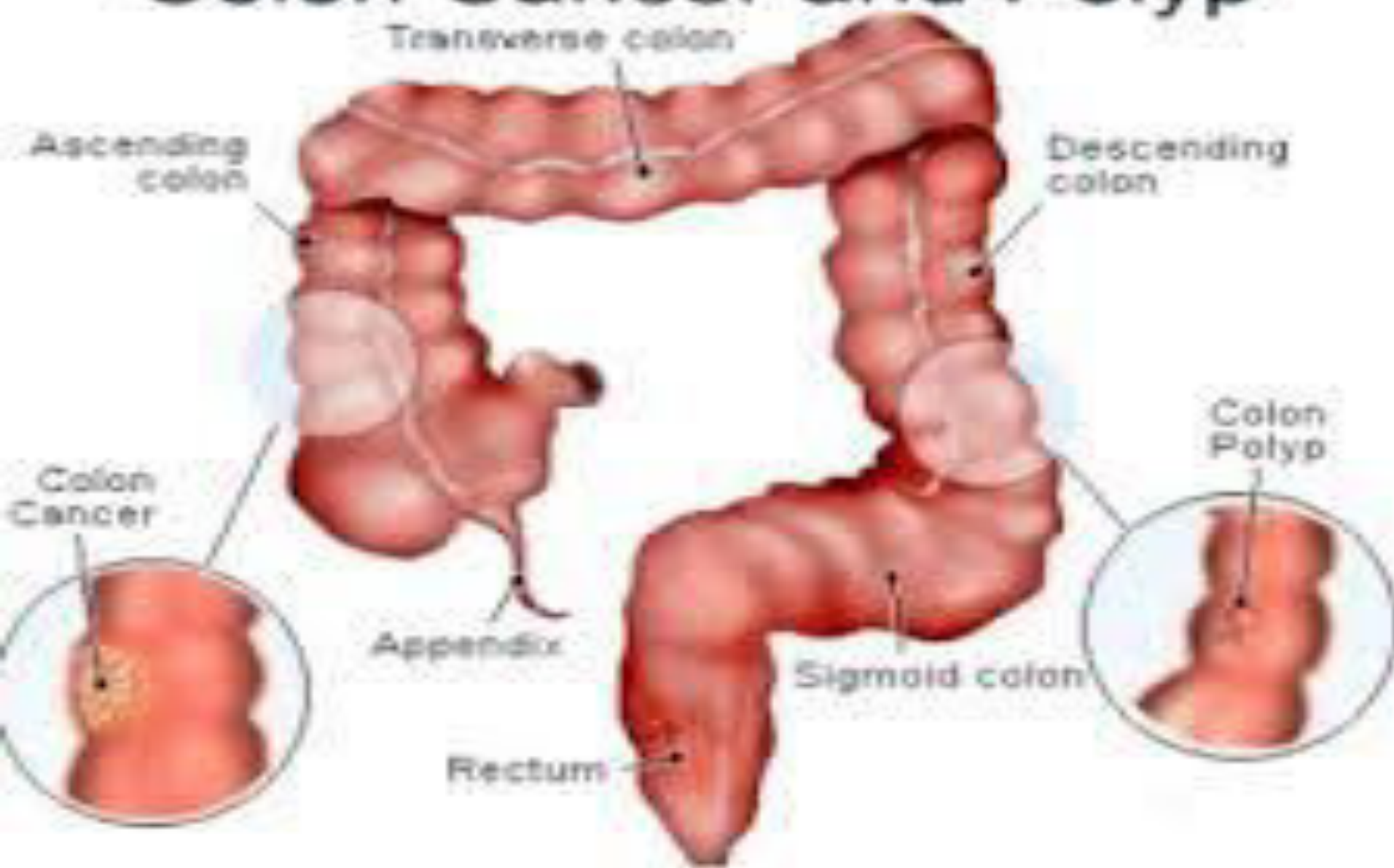
For More Information:
Visit: www.epainassist.com

Tumors and polyps:-

- **Polyps:** Lumps of tissue or polyps bulge out from the lining of the colon. Bleeding occurs when large polyps develop .some types can be precancerous.

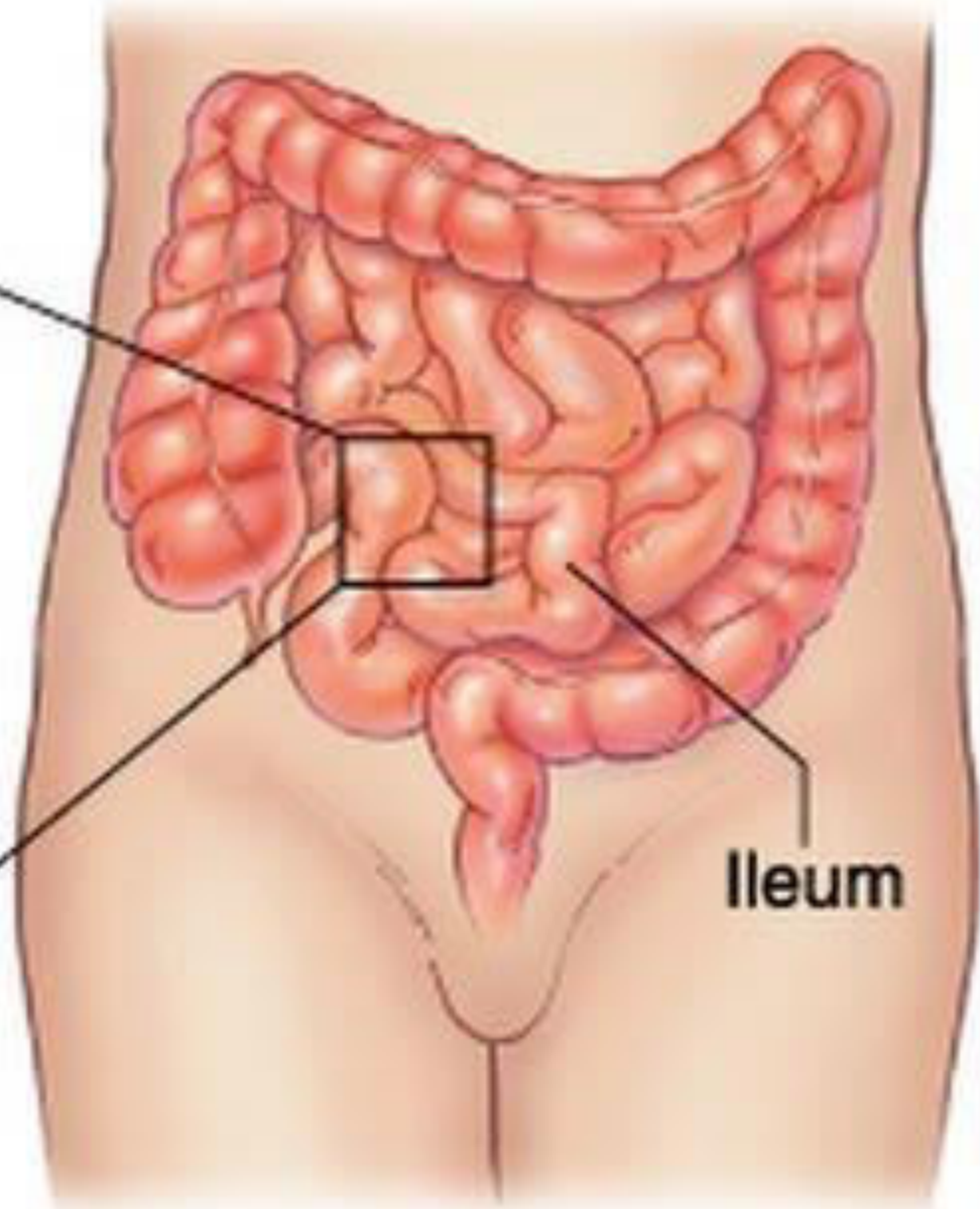
- *Tumors:*
- Both benign and malignant forms are frequently found in the colon and rectum.

Colon Cancer and Polyp



- ***Meckel diverticulum:***
- As a result, the gastric acid secreted from this lining erodes tissue and ultimately causing hemorrhage.

**Meckel's
diverticulum**



Ileum

Rectal Bleeding Symptoms:-

- Rectal pain
- Bright red blood
- Change in stool color
- Dizziness, lightheadedness





Rectal Bleeding in Children

- **Intussusception:**
- intermittent abdominal pains,
- vomiting, and
- rectal bleeding.

Rectal Bleeding During Pregnancy:-

- Hemorrhoids are common.
- Straining during delivery can also exacerbate hemorrhoids.

When to Seek Medical Care for Rectal Bleeding

- Black or maroon stools
- Large volume blood loss
- Rapid or irregular heartbeat

Rectal Bleeding Diagnosis:-

- **Physical exam: .**
- **Vital signs:**
- **Abdominal examination:**
- **Anal and digital rectal examination:**

- **Diagnostic tests:**
- **Blood tests:**
- **Nasogastric tube:**

Scope examinations:

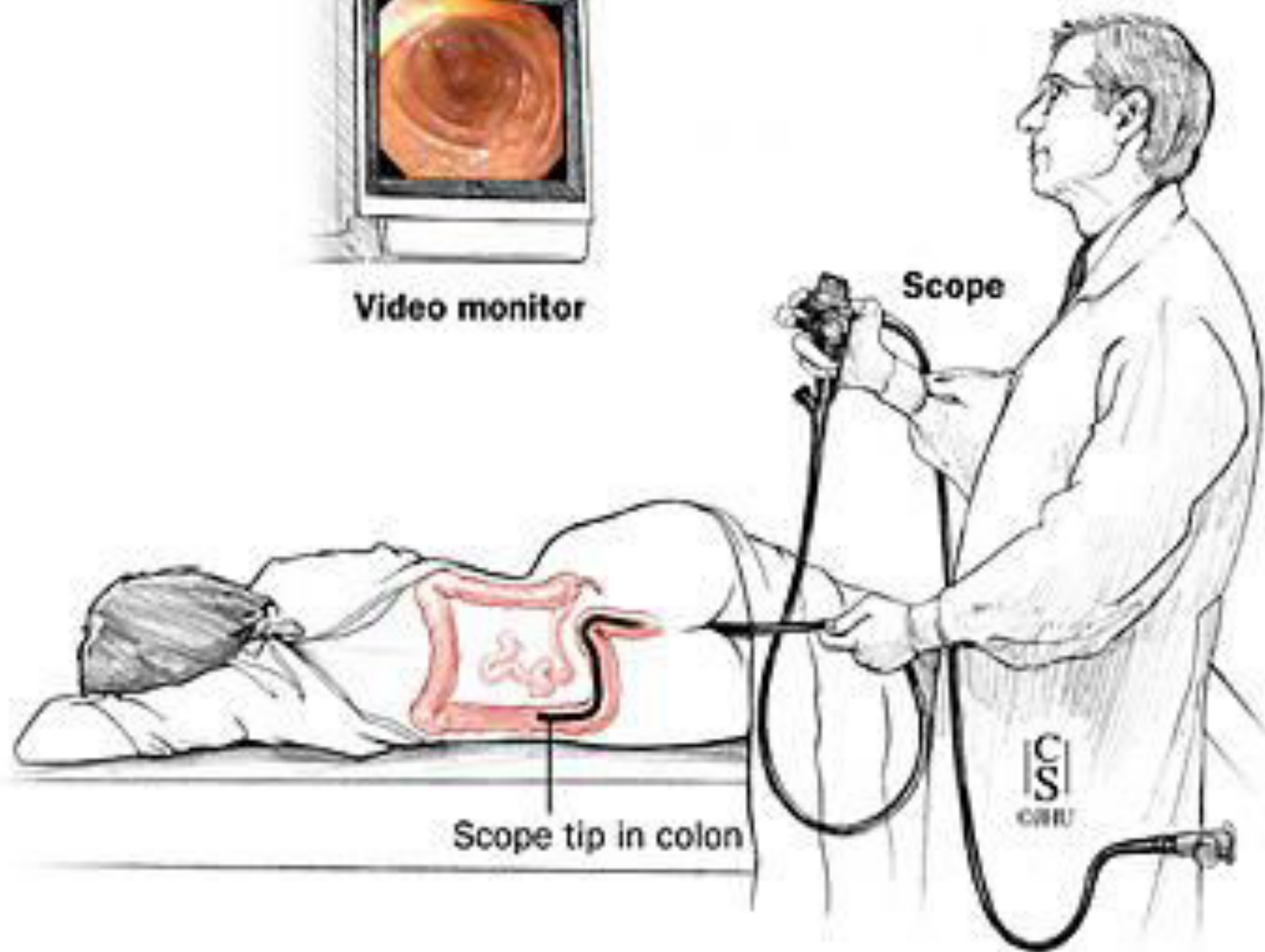
- Anoscopy:
- Flexible sigmoidoscopy:
- Colonoscopy:

Scope examinations:

- Barium enema X-ray:
- Nuclear medicine studies:
- CT scan:
- Angiography:



Video monitor

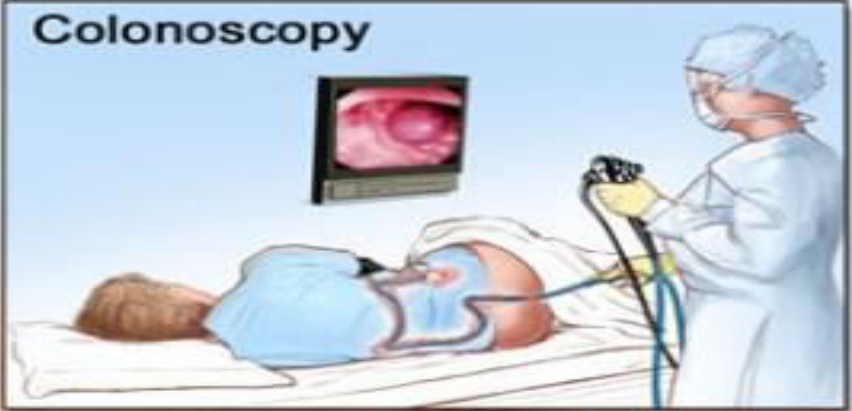


Scope

Scope tip in colon



Sigmoidoscope

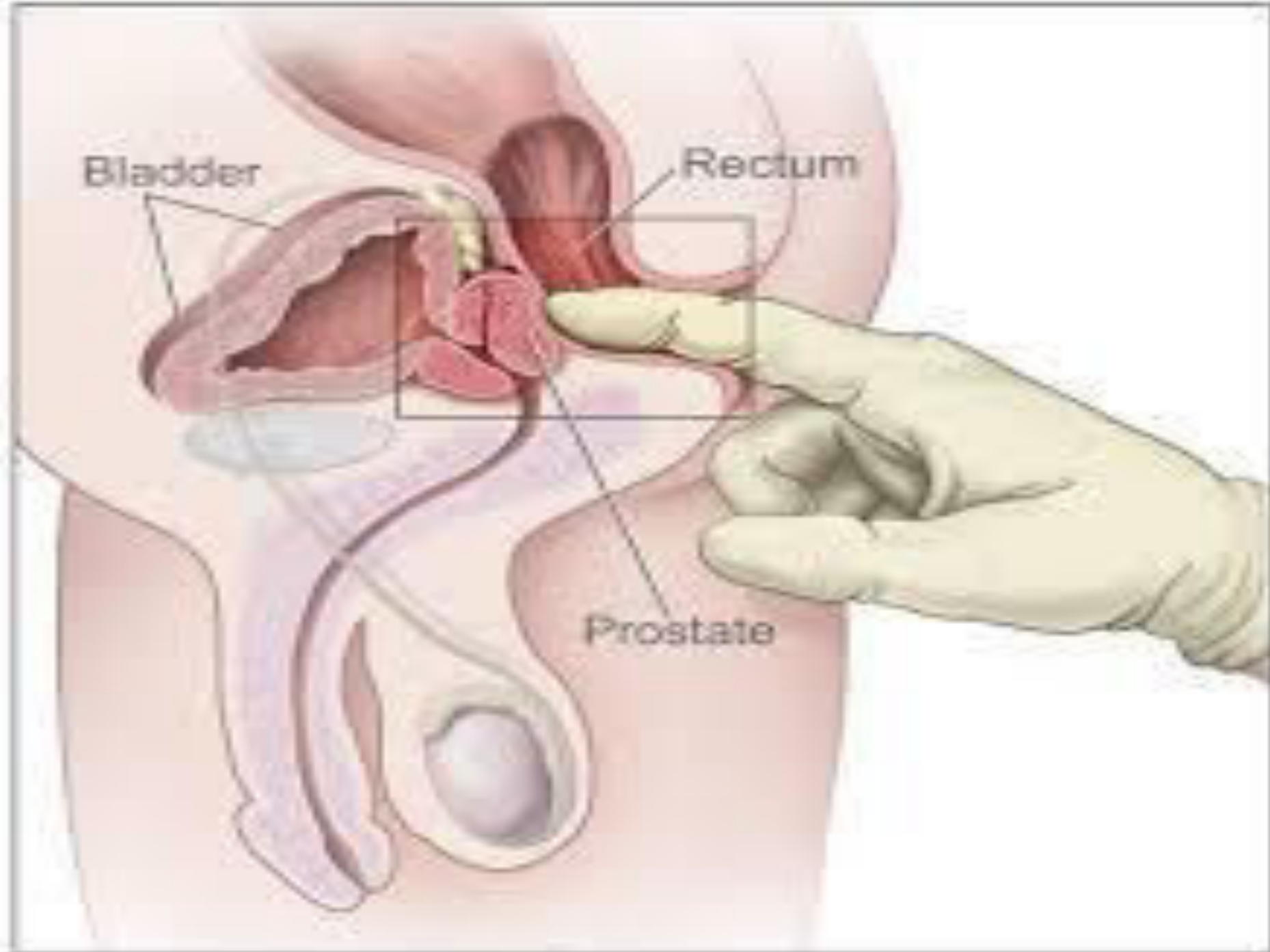


Colon

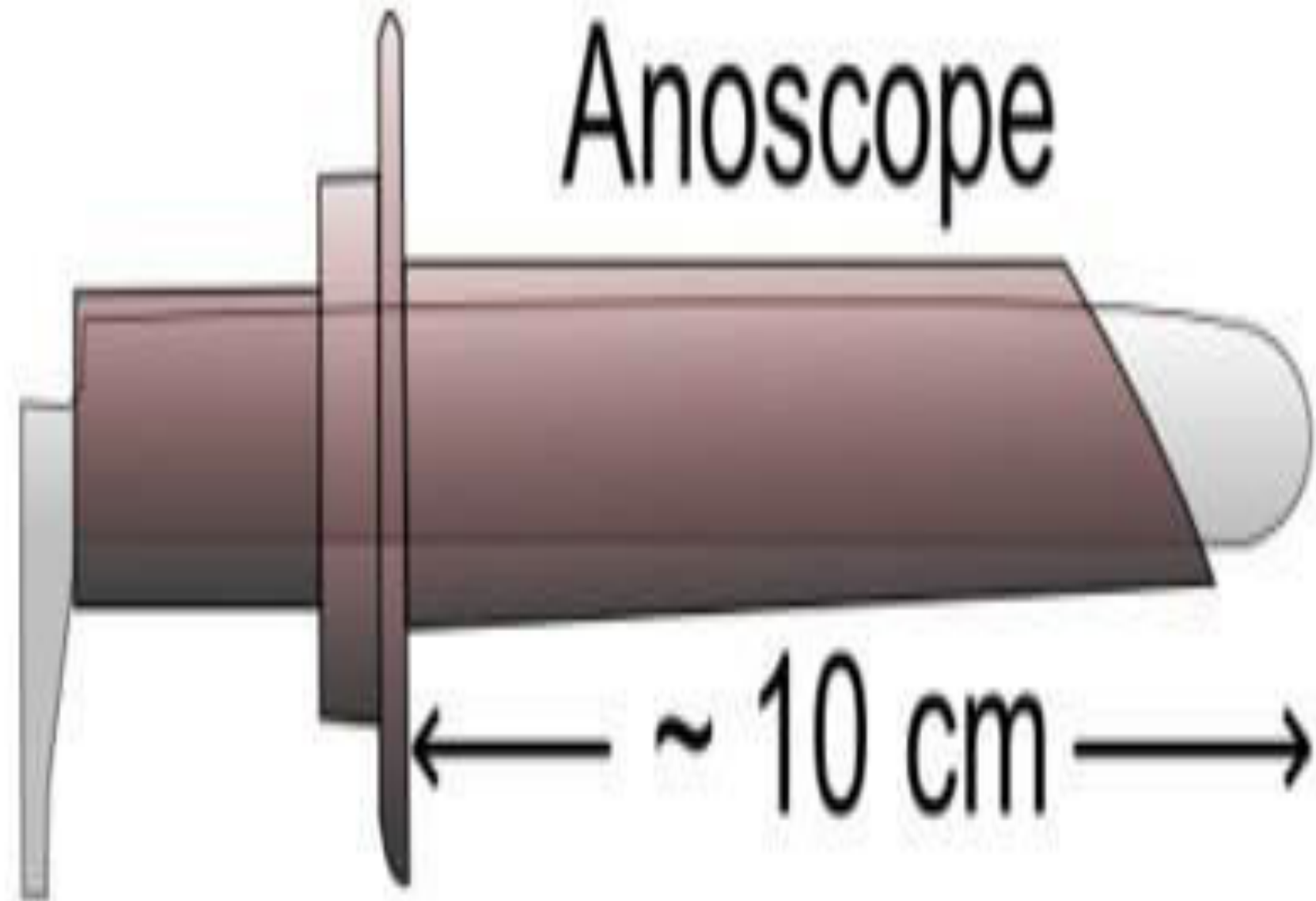
Rectum

Colonoscope

Anus



Anoscope



← ~ 10 cm →

Medical Treatment:-

- The treatment depends on the cause and source of the bleeding.
- Further treatment options will depend on the suspected source of bleeding.

Rectal Bleeding Self-Care at Home and Home Remedies

- Drink 8-10 glasses of water per day.
- Decrease straining with bowel movements.
- Increase fiber in the diet with supplements



Rectal Bleeding Follow-up:-

- See the doctor as scheduled.
- Take all prescribed medications as directed.

Rectal Bleeding Prognosis

- Death from rectal bleeding has decreased.
- The majority of complications occur when large amounts of blood have been lost.

REFERENCES:



Penner, R.M. BSc, MD, FRCPC, MSc, et al. "Patient information: Blood in the stool (rectal bleeding) in adults (Beyond the Basics)." UpToDate. Aut 19, 2013. <<http://www.uptodate.com/contents/blood-in-the-stool-rectal-bleeding-in-adults-beyond-the-basics>>

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