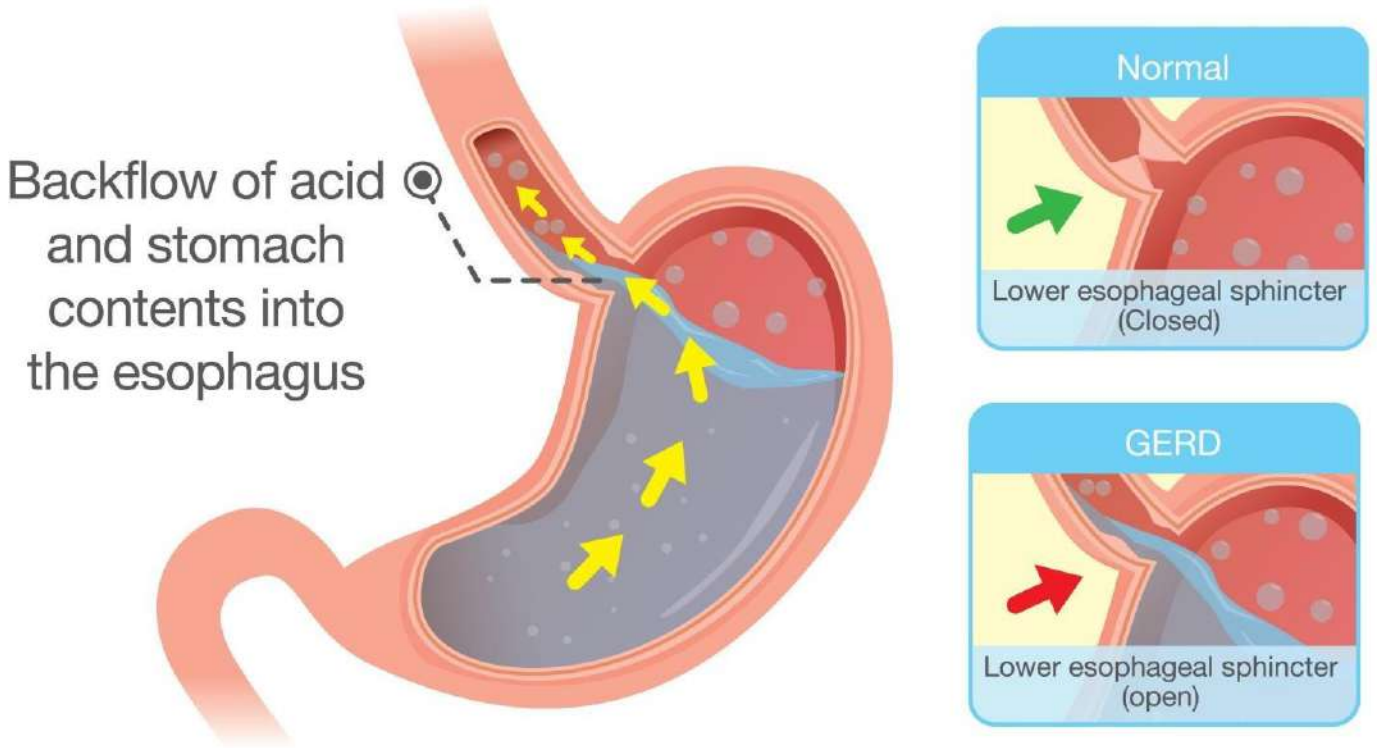
Pathology

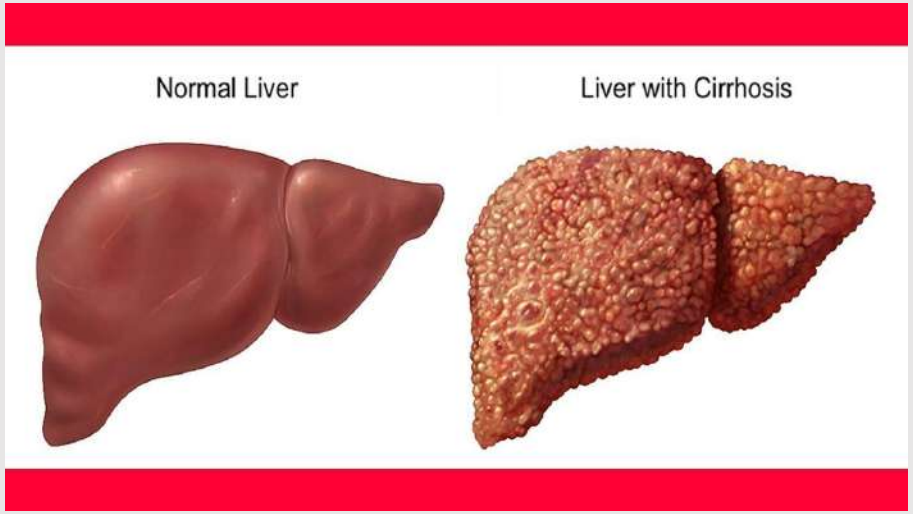
Gastro-Esophageal reflux (GERD)

- Back-flow from the stomach
- Inflammation
- Pain



Cirrhosis

- Cirrhosis of the liver:
  - Healthy liver tissue replaced by scar tissue
- Symptomps:
  - Weakness
  - Nausea
  - Lack of appetite
  - Weight loss
- Caused:
  - Alcohol or Chronic Hepatitis







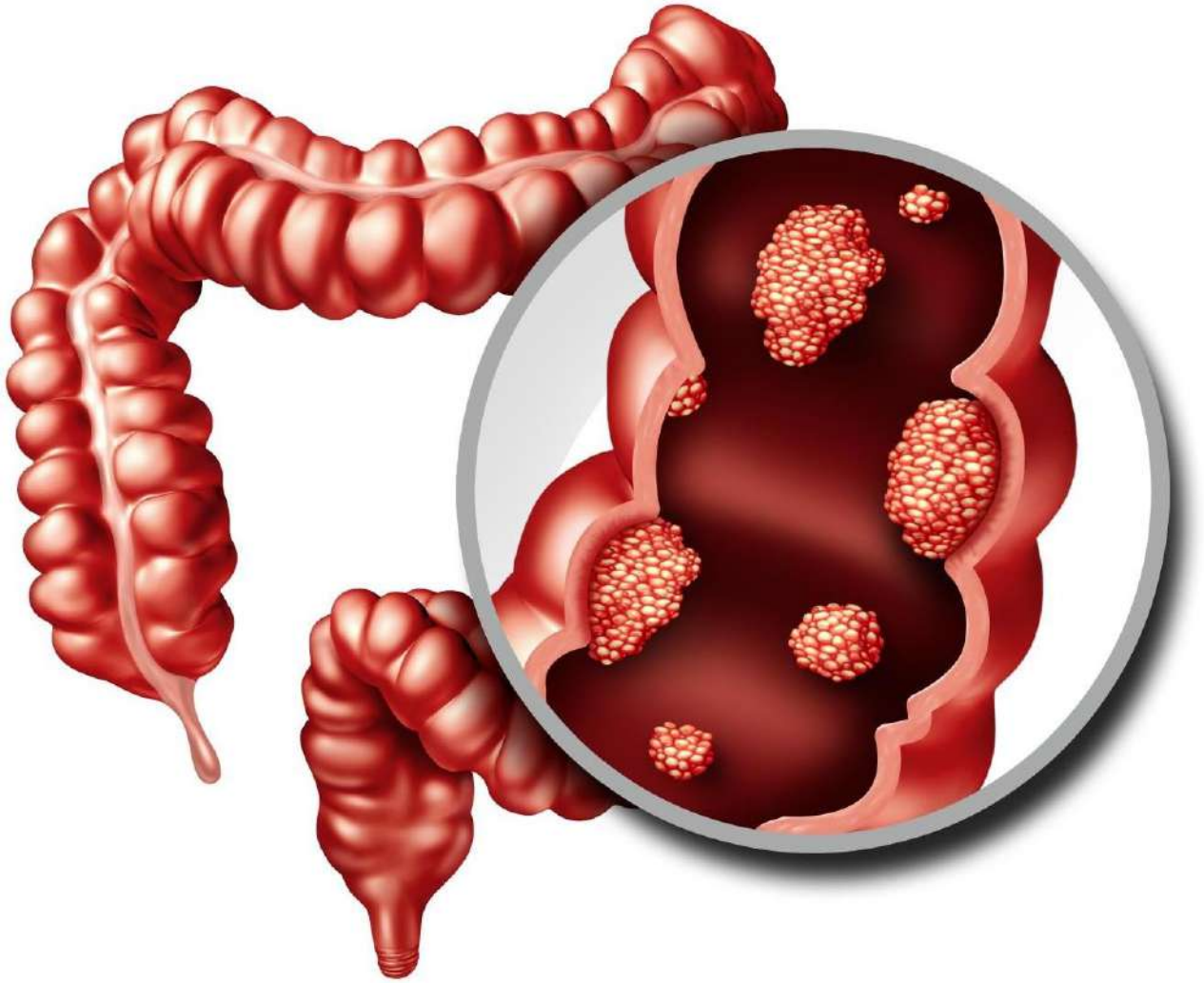




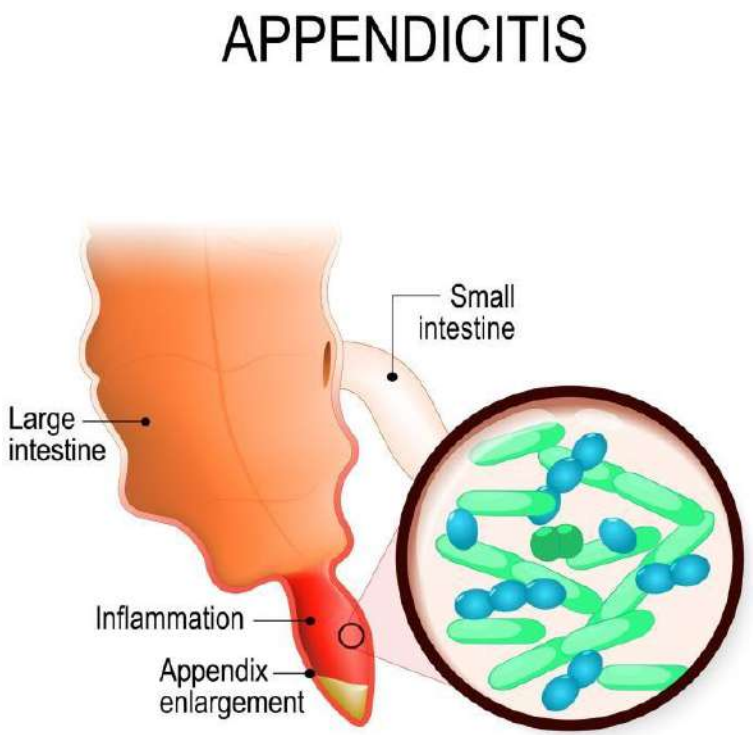
Healthy Liver	Fibrotic Liver	Cirrhotic Liver	Liver Cancer
This is a healthy liver.	The continuous inflammation of the liver caused by Hepatitis B can lead to fibrosis — a formation of scar tissue within the liver.	In cirrhosis of the liver, scar tissue replaces normal, healthy tissue, blocking the flow of blood through the liver and preventing it from working as it should.	Liver cancer is the formation of a malignant tumor in the liver.

Colon Cancer

- Developing of the lining of the colon
- Nonspecific symptoms
- Weakness, bloating, abdominal pain, nausea, vomiting
- Twice as common in males as in females
- Fifth leading cause of cancer
- Early stage can be cured



Appendicitis Symptoms



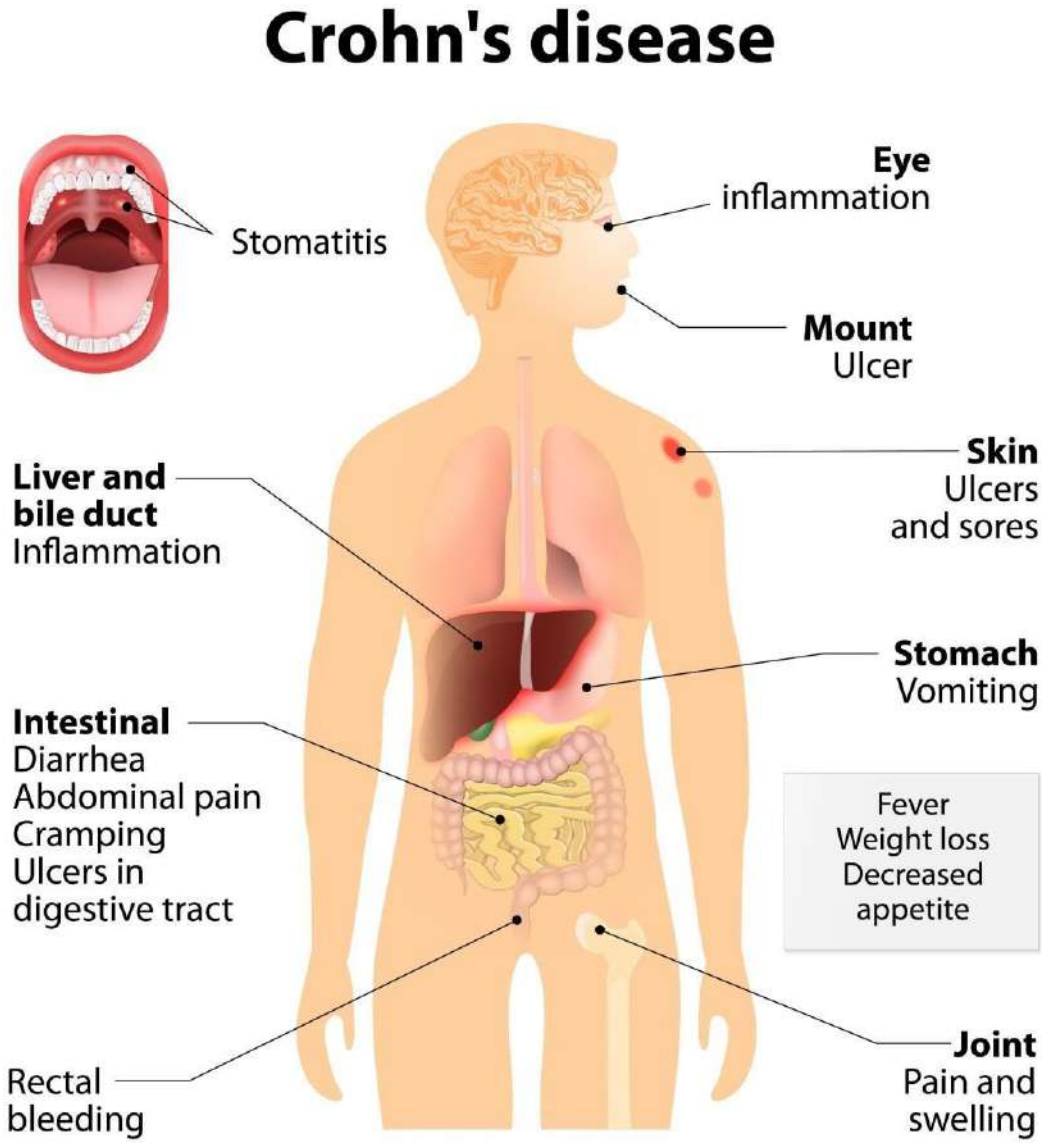


Crohn's disease/ Ulcerative Colitis

- Crohn's – anywhere in the GI tract may be affected
- UC – colon only
- Inflammatory

Symptoms:

- Blood in the stool
- Abdominal pain
- Diarrhoea
- Weakness
- Loss of appetite



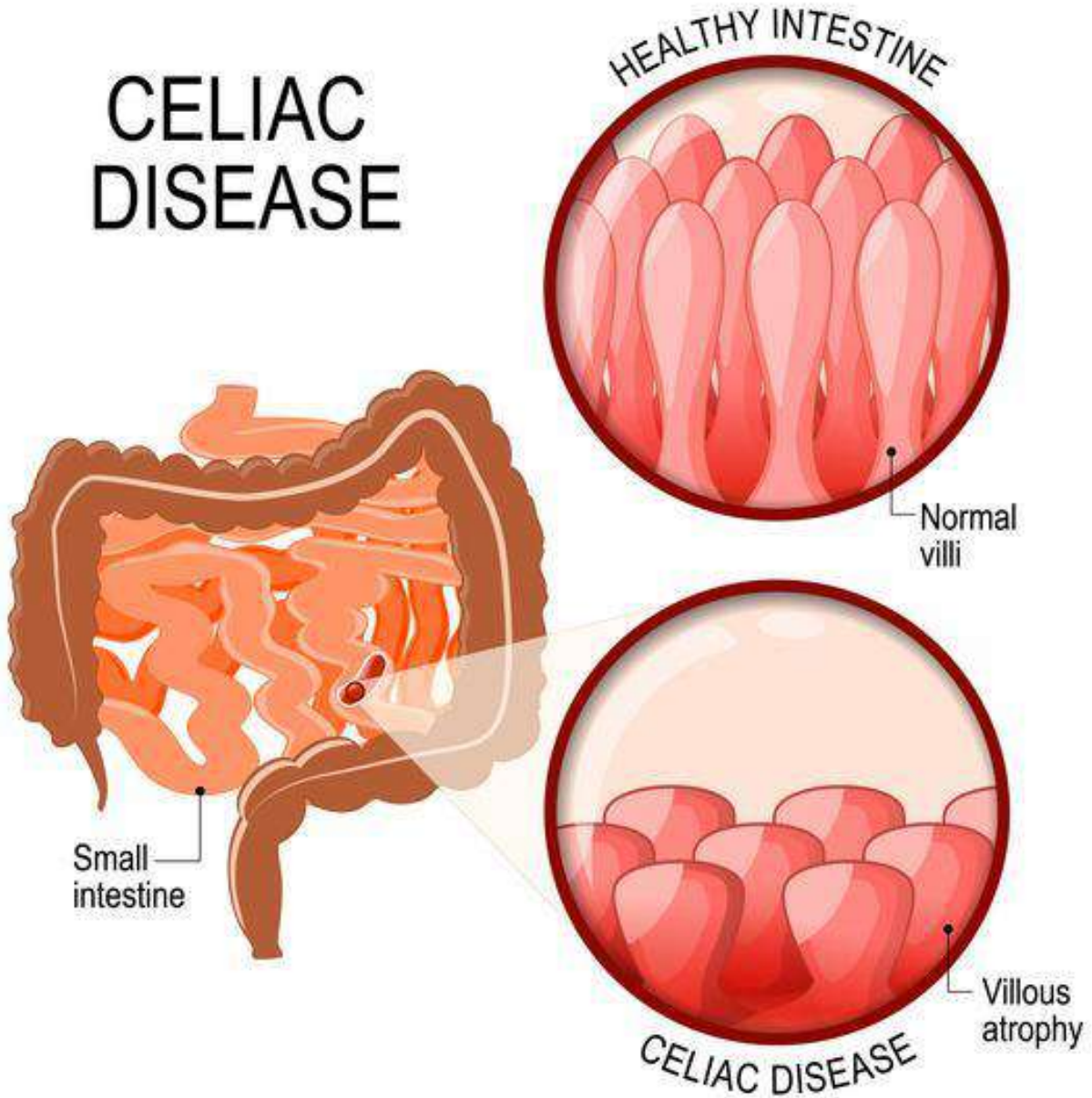
It is an autoimmune disease where the ingestion of gluten leads to damage in the small intestine.

Symptoms:

- Diarrhea
- Fatigue
- Weight loss
- Bloating and gas
- Abdominal pain
- Nausea and vomiting
- Constipation

Treatment:

- Strict lifelong gluten-free diet

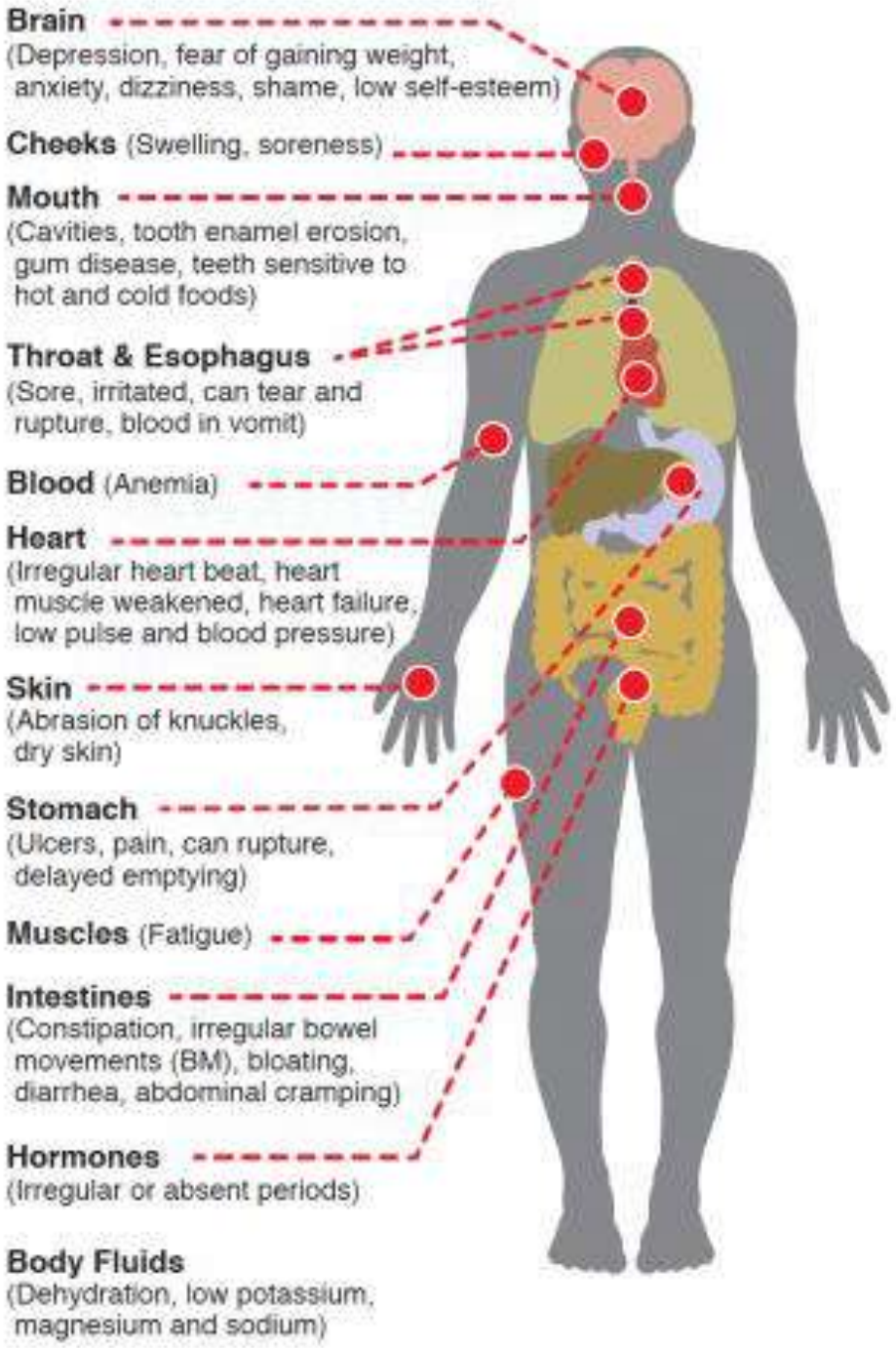


Bulimia Nervosa

Bulimia nervosa is a serious, potentialy lifethreatening eating disorder.

Signs:

- Repeted episode of binge eating
- A sence of lack of control over eating
- Inappropriate compensatory behaviours aimed to preventing weight gain
- Self evaulation is unduly influenced by body shape and weight



Constipation

- Constipation: having fewer than three bowel movements a week
- Causes:
  - Slower peristaltic movement
  - Other diseases
  - Drugs
- Complications:
  - Haemorrhoids
  - Ulcus
  - Hernia
  - Other



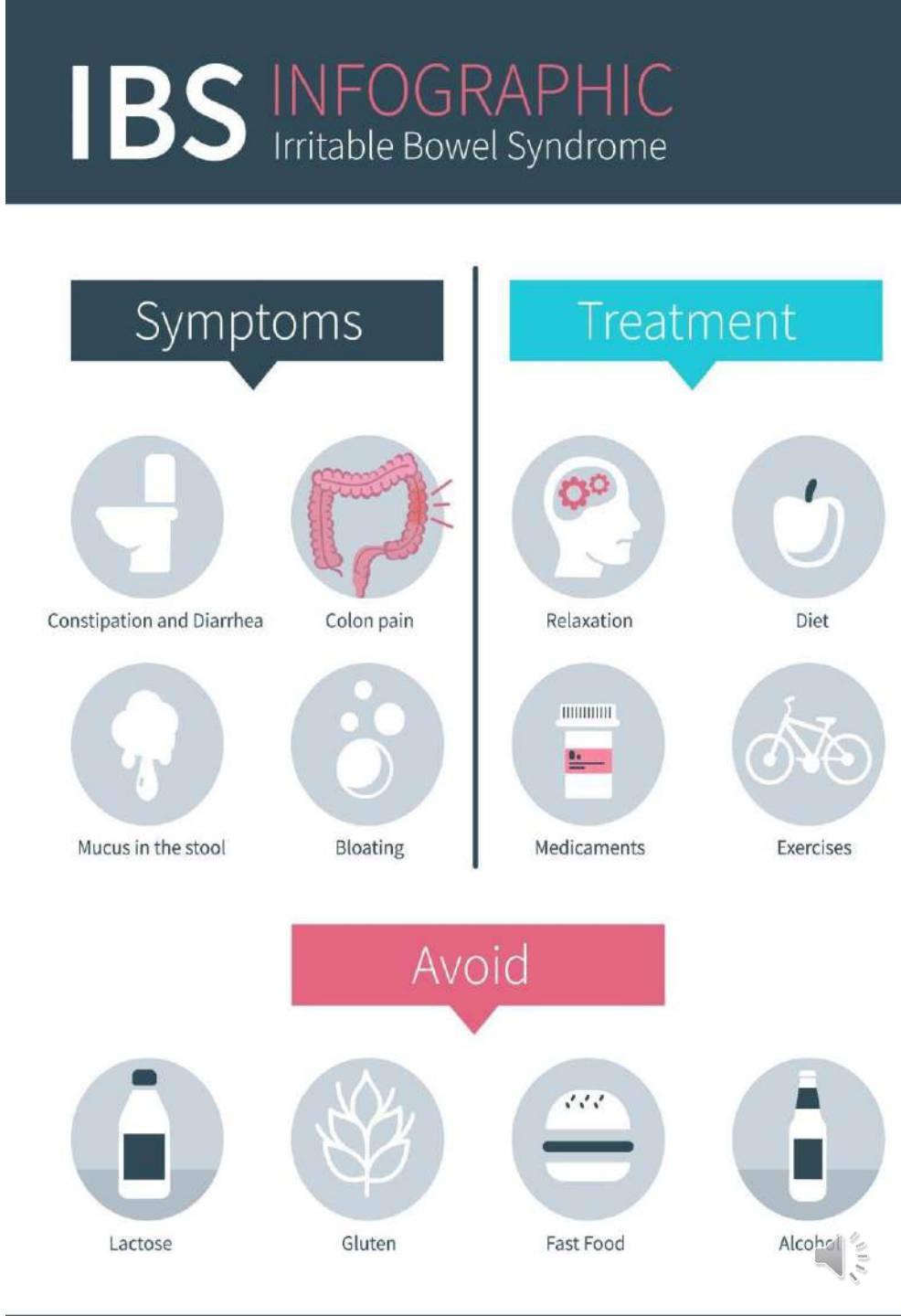
Diarrhea

- Having at least three loose bowel movements each day
- Causes:
  - Bacteria, virus
  - Lactose intolerance
  - Antibiotics
- Complication: dehydration
- Replace the fluid and salt

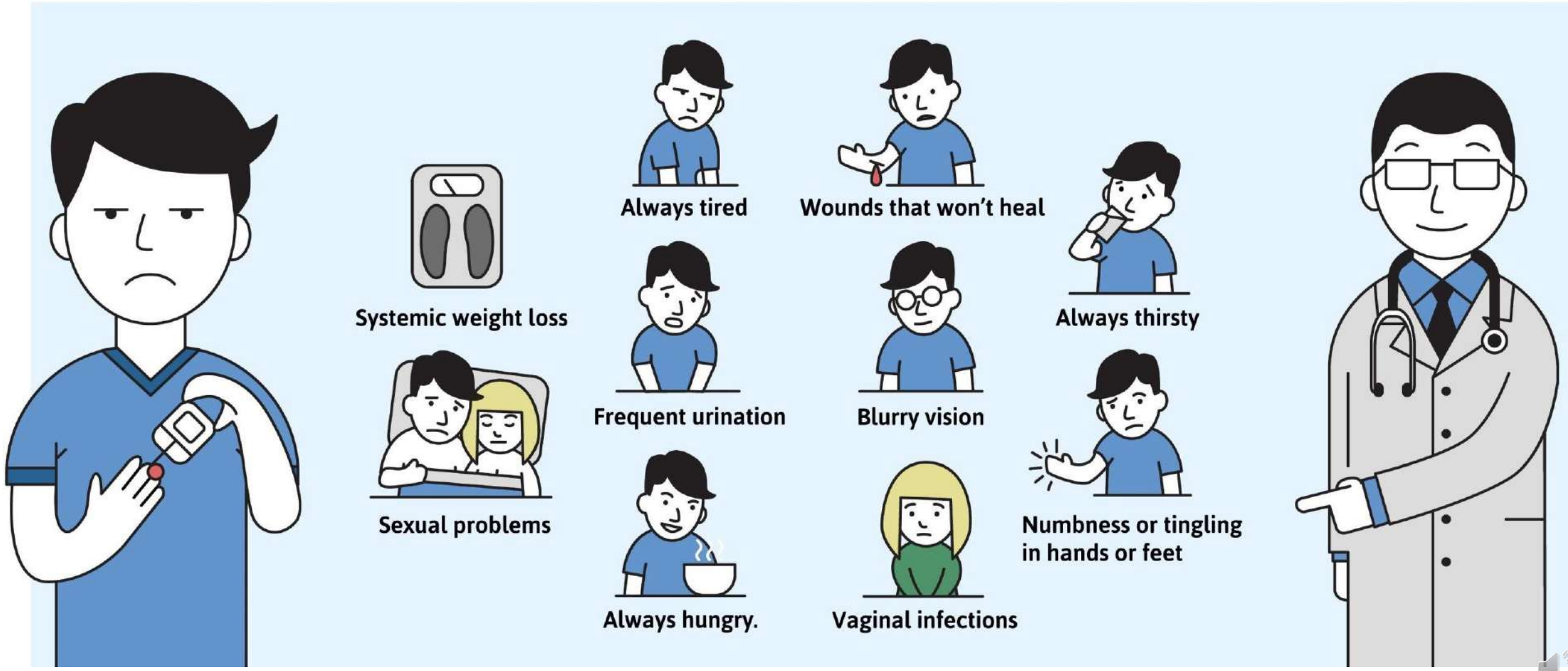


Irritable bowel syndrome

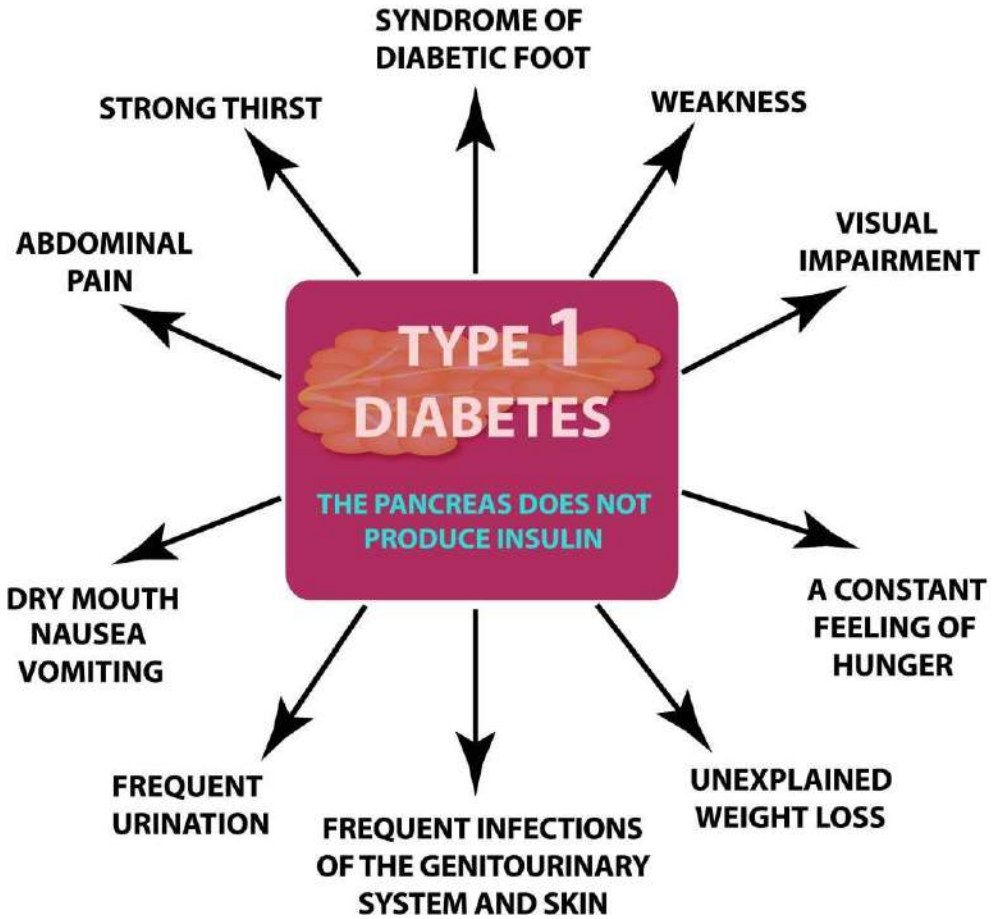
- Group of symptoms of the bowel and stomach without any evidence of underlying damage
- The causes of IBS are not clear
- Bacterial imbalance
- Stress
- Weak immune system
- Symptoms:
  - Abdominal pain
  - Diarrhea, constipation
  - Bloating abdomen



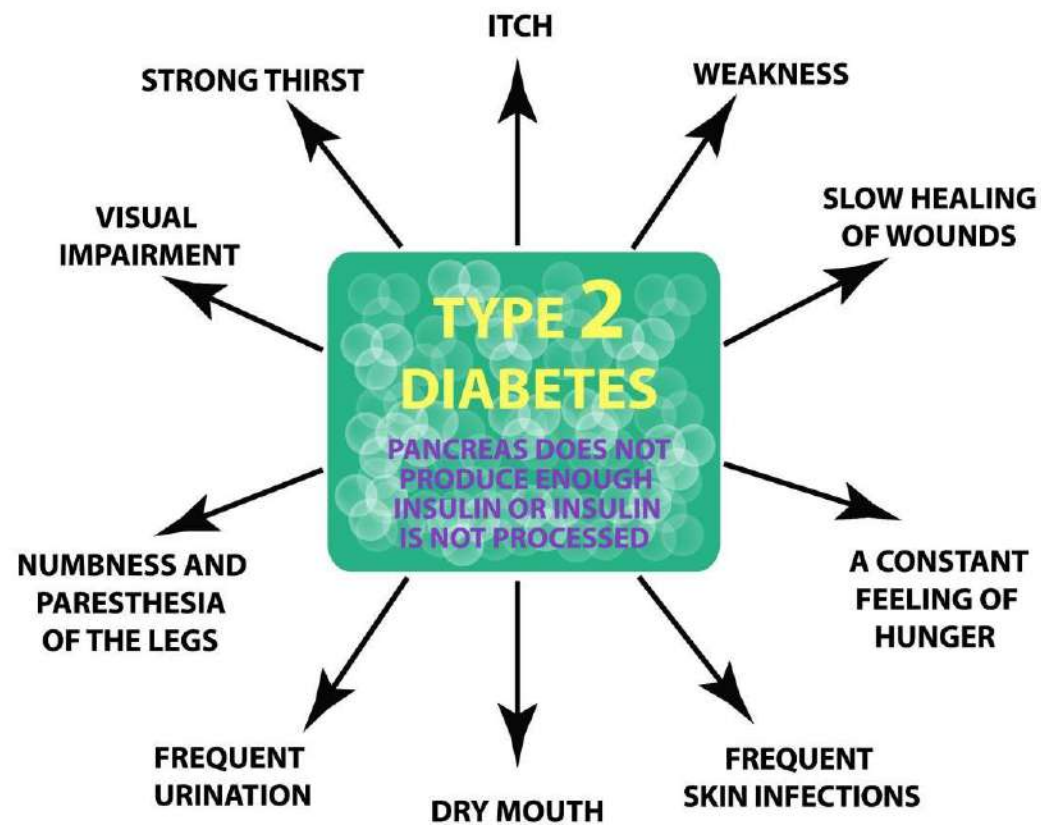
Symptoms of diabetes



SYMPTOMS OF TYPE 1 DIABETES



SYMPTOMS OF TYPE 2 DIABETES



Recap

- Functions
- Structure
- 4 stages of digestion
- Enzymes
- Disorders