

Short Bowel Syndrome

- When small / large intestine become physically shorter (surgery)
- Portion is damaged → Poor absorption of water + nutrients

Duodenum → Proteins, Fats, Carbohydrates, Bile

Jejunum → Minerals (Ca, Fe, Mg), Zinc, H₂O, Vitamins of H₂, Fat soluble.

Ileum → Reabsorption, Absorb fluid, Concentration of interstitial cont.

Terminal Ileum → Absorb Vitamin B₁₂ + Bile salts.

Large intestine → Absorb → Water, Electrolyte, Fatty acids
Produce → Vitamin K by bacteria.

Symptoms

- Diarrhea, Food intolerance,
- Malabsorption → Many symptoms
- Weight loss

Causes

- Primary → From Birth
- Secondary → Surgery - Necrotizing Enterocolitis
- Crohn's disease
- Other injury to small intestine

Investigation

- Medical history of operation
- Nutrition, Electrolyte, Anemia.
- MRI, X-ray, Barium, Endoscopy.

Treatment

- Slow increasing food + water intake.
- Total parenteral nutrition.