	Lower Gastrointestinal Bleeding				
Presentation	Hematochezia (bright red or maroon-colored blood or fresh clots per rectum), painful vs non-painful is important distinction .				
Pathophys	Distal to ligament of Treitz (distal duodenum)				
		Common	Uncommon		
	Infant	Anal fissure (often w/constipation) Milk protein allergy (mucus in stool, diarrhea) Necrotizing enterocolitis Swallowed maternal blood or epistaxis (can present as hematochezia 2/2 rapid transit)	Vascular lesions Hirschsprung enterocolitis Intussusception Intestinal duplication Meckel diverticulum Infectious enterocolitis		
	Older child	Anal fissure (r/o sexual abuse) Intussusception Infectious enterocolitis (salmonella, shigella campylobacter, E. coli 0157, Yersinia, C. diff) Inflammatory bowel disease (delayed puberty, wt. loss) Meckel diverticulum (large painless bleeding) Perianal streptococcal cellulites Juvenile/inflammatory polyp- painless	Nodular lymphoid hyperplasia Vascular malformations Intestinal duplication Henoch-Schonlein purpura Infectious diarrhea (e.g., CMV colitis. amebiasis) Hemorrhoids Colonic or rectal varices Neutropenic enterocolitis/typhlitis (immunosuppressed)		

Substances That Interfere with Stool Guaiac Tests			
False Positive	False Negative		
Meat (rare or well done) Ferrous sulfate (if stool pH <6) Tomatoes Cherries NSAIDs	Vitamin C Storage of specimen > 4 days Outdated reagent or card		

Total Parenteral Nutrition (TPN)				
Enteral feeding is preferred route of nutrition support:				
Indications	Abnormal nutritional status or low birth weight (z-score < -2 weight for age or weight for height, < 2500g), dysfunctional GI tract or NPO > 4 days in consultation with Nutrition Service and Dietitian			
Access	If Osm > 900, must run through central line. Calculate % of daily maintenance fluids, consider heart or renal limitations.			
Monitoring	Weight daily, height (>24 months) periodically, length (<24 months) weekly, head circumference (<24 months) weekly, fluid balance daily, vital signs daily, Chem10 daily until stable; Chem10/hepatic function panel + TG weekly, nutritional labs if patient is on PN and minimal feeds for > 1 month checked periodically (Se, Cu, Zinc, Iron, Carnitine, CRP, vitamins A, D, E, INR, Manganese, Aluminum, Iron studies, Essential fatty acid profile)			