Local signs of the gastrointestinal system

Upper GI		Possible therapeutics
Belching or gas one	Hypochlorhydria possible and/or pancreatic	Betaine HCl, pepsin,
hour after eating	insufficiency probable	pancreatin
Heartburn or acid reflux	Functional dyspepsia (timing)	Pancreatic Enzymes
Bloating shortly after	Hypochlorhydria probable and/or pancreatic	Bromelain, cellulose,
eating	insufficiency possible	lipase, amylase
Bad breath	Bowel toxemia; ask about constipation,	Beet juice, taurine,
	correlate with hypochlorhydria/ pancreatic	vitamin C, pancreolipase
	insufficiency , small intestine bacterial	
	overgrowth	
Loss of taste for meat	Poor protein digestion	Water soluble fiber
Strong smelling sweat	Bowel toxemia and/ or liver or kidney	Probiotics
	dysfunction	
Trouble taking	Hypochlorhydria	Concentrated Alfalfa
supplements		
Sense of fullness after	Hypochlorhydria and/ or pancreatic	
meals	insufficiency	
Wants to skip breakfast	Hypochlorhydria and/ or pancreatic	
	insufficiency	
Feels better if you don't	Hypochlorhydria and/ or pancreatic	
eat	insufficiency	
Sleepy after meals	Blood sugar dysregulation; Hypochlorhydria	
	and/ or pancreatic insufficiency	
Weak fingernails	Protein and mineral insufficiency; fatty acid	
	insufficiency; hormone imbalance	
Stomach pain	Rule out pathology; Hypochlorhydria and/ or	
	pancreatic insufficiency; bowel toxemia; food	
	sensitivities; zinc insufficiency; stress	
Chronic diarrhea	Parasites, dysbiosis, malabsorption,	
	medications	
Diarrhea after meals	Food intolerance; biliary insufficiency; IBS;	
	malabsorption	
Black or tarry stool	Bleeding	
Undigested food in	Hypochlorhydria and/ or pancreatic	
stool	insufficiency	

Blood chemistry related to the Upper GI

Low Alkaline phosphatase may indicate zinc deficiency; assess intake and stress before assessing heavy metal toxicity, malabsorption, or hyper-utilization.

Elevated ALT/AST (>30) with sweat odor may suggest investigating liver/kidney causes instead of GI CBC with special attention to markers of anemia (MCV over 90)

If H. pylori infection is suspected:

- o Increased or decreased globulin (>2.8 or <2.4)
- Increased or decreased protein (<6.9 or >7.4)
- o Increased or decreased BUN (<10 or >16)
- Decreased serum phosphorus (<3.0)

- o Increased WBC (>7.5)
- o Increased Neutrophils (>60)
- Decreased Lymphocytes (<24)
- Normal or increased monocytes (N or >7)

If pancreatic insufficiency is suspected:

- Decreased BUN (<10)
- Elevated GGT (>30)
- Decreased WBC
- Decreased Elastase 1 (stool)

Small Intestine		Possible therapeutics
Food	Dysbiosis/ intestinal hyperpermeability;	L-glutamine
sensitivities/intolerances	liver congestion	
Abdominal bloating 1-2 hours	Pancreatic insufficiency/	Probiotics
after eating	hypochlorhydria	
Specific foods make you	Pancreatic insufficiency/	N-acetyl glucosamine
tired/bloated	hypochlorhydria	
Pulse speeds after eating	Dysbiosis/ intestinal hyperpermeability;	Wormwood and
	liver congestion	antimicrobial herbs
Airborne allergies	Dysbiosis/ intestinal hyperpermeability;	Betaine HCl, pepsin,
	liver congestion	pancreatin
Experience hives	Dysbiosis/ intestinal hyperpermeability;	Water soluble fiber
	liver congestion	
Sinus congestion	Dysbiosis; Hypochlorhydria	Immune support
		formulas
Crave breads or noodles	Dysbiosis/ intestinal hyperpermeability;	
	liver congestion	
Alternating constipation or	Candida overgrowth; leaky gut; stress;	
diarrhea	adrenal overload	
Crohn's disease	Insufficient IgA response	
Food addictions	Dysbiosis/ intestinal hyperpermeability;	
	liver congestion	
Asthma	Dysbiosis; Hypochlorhydria	
Bizarre, vivid dreams	Dysbiosis/ intestinal hyperpermeability;	
	liver congestion; kidney insufficiency	
Feeling spacey or unreal	Food allergies; low adrenal function; low	
	thyroid function; hypoglycemia;	
	dysbiosis; candida overgrowth; liver	
	congestion	

Blood chemistry related to small intestine

Elevated ALT/ AST may suggest liver congestion Low alkaline phosphatase suggests zinc insufficiency Low BUN (>10) may suggest intestinal hyperpermeability

Large Intestine		Possible therapeutics
Anus itches	Intestinal parasites; Hypochlorhydria; bile salt need; vitamin A insufficiency; zinc insufficiency	L-glutamine
Coated tongue	Toxic bowel; increased intestinal	Probiotics and prebiotics
	hyperpermeability; pancreatic insufficiency	(arabinogalactans)
Feel worse in moldy or	Dysbiosis with yeast overgrowth;	Water and salt
musty place	molybdenum need	
Antiobiotic use	Dysbiosis with yeast overgrowth	Concentrated Alfalfa
Fungus or yeast infections	Dysbiosis with yeast overgrowth	Betaine HCl, pepsin, pancreatin
Ring worm, jock itch, athlete's foot	Dysbiosis with yeast overgrowth	Water soluble fiber
Sugar, starch, or alcohol increases yeast symptoms	Dysbiosis with yeast overgrowth	Bromelain, cellulose, lipase, amylase
Stool hard or difficult to	Fiber insufficiency; poor hydration;	
pass	pancreatic insufficiency; hypochlorhydria	
History of parasites	Intestinal parasites; Hypochlorhydria; pancreatic insufficiency	
Less than one bowel	Fiber insufficiency; poor hydration;	
movement per day	pancreatic insufficiency	
Stools have corners or	Fiber insufficiency; poor hydration;	
edges are flat or ribbon shaped	pancreatic insufficiency	
Stools are not well formed	Intestinal parasites; dysbiosis; malabsorption	
Irritable bowel or	Hypochlorhydria and/ or pancreatic	
mucous colitis	insufficiency	
Blood in stool	Bleeding	
Mucus in stool	Hypochlorhydria and/ or pancreatic	
	insufficiency; local inflammation	
Excessive foul smelling	Dysbiosis/ intestinal hyperpermeability; liver	
gas	congestion; Pancreatic insufficiency/ hypochlorhydria	
Bad breath/ body odors	Dysbiosis/ intestinal hyperpermeability; liver congestion; Pancreatic insufficiency/ hypochlorhydria	
Iliotibial pain	Fiber insufficiency; poor hydration; pancreatic insufficiency; bacteria or yeast overgrowth; poor IgA response	
Cramping in lower	Fiber insufficiency; poor hydration;	
abdominal region	pancreatic insufficiency; bacteria or yeast overgrowth; poor IgA response	
Dark circles under eyes	Dysbiosis/ intestinal hyperpermeability; liver	
·	congestion; Pancreatic insufficiency/	
	hypochlorhydria	

Blood chemistry related to large intestine
CBC with attention to eosinophils and basophils
Low alkaline phosphatase for low zinc status
Elevated ALT/AST for liver congestion