

TUMOUR SITE	TUMOUR EFFECTS	TREATMENT EFFECTS		
		CHEMOTHERAPY	RADIATION THERAPY	SURGERY
Head & Neck	Difficulty chewing or swallowing	Nausea Vomiting Diarrhea Stomatitis	Mucositis Stomatitis Dysgeusia, hypogeusia Xerostomia, dysphagia Difficulty chewing secondary to dental decay or infection Viscous saliva Oropharyngeal ulceration Osteoradionecrosis Fistula Trismus	Impaired chewing & swallowing Xerostomia
Esophagus	Dysphagia secondary to esophageal obstruction Regurgitation of meals	Nausea	Dysphagia Esophagitis Esophageal fibrosis or stricture Fistula Nausea Edema	Decreased gastric motility Decreased gastric acid production Fistula Esophageal stenosis Regurgitation Steatorrhea
Stomach	Early satiety Vomiting after meals	Nausea Vomiting Stomatitis Diarrhea	Nausea Vomiting	Fat malabsorption & diarrhea Decreased gastric motility "Dumping" syndrome Hypoglycemia Protein malabsorption Deficiencies in iron, calcium, fat-soluble vitamins & vitamin B12 Esophagitis
Pancreas & biliary tree	Malabsorption &/or diabetes secondary to pancreatic insufficiency Dysgeusia Nausea	Nausea Vomiting Stomatitis Diarrhea	Nausea Vomiting	Diabetes mellitus Malabsorption of fat, protein, & fat-soluble vitamins & Minerals

Small intestine	Bowel obstruction Malabsorption	Nausea Stomatitis Diarrhea	Gastrointestinal ulceration Villous hypoplasia Malabsorption secondary to decreased enzyme production Intestinal fistula Fibrosis stricture Obstruction perforation Hemorrhage	Loss of bile salts, calcium, magnesium, zinc Metabolic acidosis Increased risk of renal stones Postoperative gastric hypersecretion
Colon & rectum	Bowel obstruction Malabsorption	Mild nausea Stomatitis Diarrhea	Chronic colitis Fibrosis structure Fistula Bowel necrosis, perforation Malabsorption secondary to decreased enzyme production	Gas production Diarrhea Sodium imbalance Fluid imbalance
Breast	Weight gain	Weight gain with adjuvant or hormonal treatment Musositis	Esophagitis Nausea	
Lung	Dysphagia secondary to esophageal compression Difficulty eating secondary to dyspnea	Nausea Vomiting Stomatitis Dysgeusia	Esophagitis	
Gynecologic	Bowel obstruction Ascites Early satiety Weight gain	Nausea Vomiting Weight gain secondary to hormonal agents	Enteritis Fistula Stricture Gas production	Malabsorption secondary to partial bowel resection
Genitourinary		Nausea Vomiting	Enteritis	
CNS	Dysphagia	Fluid retention Hyperglycemia Increased appetite Weight gain	Nausea Dysgeusia	
Lymphoma	Site dependent Dysphagia Malabsorption secondary to mucosal infiltration	Nausea Vomiting Stomatitis	Site dependent Esophagitis Nausea Enteritis	Site dependent