List of NASPGHAN EPAs

- 1. Care for infants, children, and adolescents with common outpatient GI, liver/biliary, pancreatic and nutritional issues
- 2. Perform medical procedures related to gastrointestinal and liver disease for screening, diagnosis, and intervention
- 3. Acute and Chronic GI Conditions
 - a. Care of infants, children and adolescents with inflammatory bowel disease
 - b. Care of infants, children and adolescents with mucosal diseases
 - c. Care of infants, children and adolescents with congenital anomalies/diarrhea, GI infections, and intestinal failure/transplant
- 4. Acute and Chronic Hepato-biliary and Pancreatic Conditions
 - a. Care of infants, children and adolescents with acute and chronic liver diseases
 - b. Care for infants, children, and adolescents with disorders of biliary tract disease, cholestatic liver disease, and metabolic liver disease
 - c. Care of infants, children, and adolescents with pancreatic disorders
 - d. Care of infants, children and adolescents requiring liver transplantation.
- 5. Care of infants, children and adolescents with nutritional issues, deficiencies, and obesity

List of NASPGHAN EPAs

- 1. Care for infants, children, and adolescents with **common outpatient** GI, liver/biliary, pancreatic and nutritional issues
- 2. **Perform medical procedures** related to gastrointestinal and liver disease for screening, diagnosis, and intervention
- 3. Care of infants, children and adolescents with inflammatory bowel disease
- 4. Care of infants, children and adolescents with mucosal diseases
- 5. Care of infants, children and adolescents with congenital anomalies/diarrhea, GI infections, and intestinal failure/transplant
- 6. Care of infants, children and adolescents with acute and chronic liver diseases
- 7. Care for infants, children, and adolescents with disorders of biliary tract disease, cholestatic liver disease, and metabolic liver disease
- 8. Care of infants, children, and adolescents with pancreatic disorders
- 9. Care of infants, children and adolescents requiring liver transplantation
- 10. Care of infants, children and adolescents with nutritional issues, deficiencies, and obesity

Brief List of NASPGHAN EPAs

- 1. Outpatient GI/Liver
- 2. Procedures
- 3. Acute and Chronic GI Conditions
 - a. IBD
 - b. Mucosal Disorders
 - c. Congenital / Short-Bowel
- 4. Acute and Chronic Hepato-biliary and Pancreatic Conditions
 - a. Liver Disorders
 - b. Biliary and Metabolic Disorders
 - c. Pancreatic Disorders
 - d. Liver Transplant
- 5. Nutrition

Level 1	Level 2	Level 3	Level 4	Level 5
Perform history and physical exam in children presenting with common outpatient GI and liver issues. Identify classic features of constipation Identify classic features of gastroesophageal reflux disease. Identify jaundice and understand the possible pathogenesis of infant jaundice Identify common outpatient GI disorders including FTT, diarrhea, constipation, reflux, gastritis, FGIDs, Identify common outpatient Liver disorders including infant hyperbilirubinemia, abnormal liver enzymes, and NAFLD Develop a differential diagnosis for diarrhea	Understand the natural history, epidemiology and pathogenesis of common gastrointestinal disorders including childhood constipation, reflux and functional GI disorders Understand the pathogenesis of infant hyperbilirubinemia and perform appropriate diagnostic workup for infant cholestasis Develop an appropriate initial diagnostic plan and management for common outpatient GI and Liver disorders including laboratory evaluation, endoscopy, and imaging Basic education to families and children regarding diagnosis and treatment. Recognize signs and symptoms that suggest an organic process Develop a diagnostic and management plan for infant cholestasis in a timely manner	Understand anatomy and physiology and innervation of the enteric nervous system Interpret tests ordered including endoscopy, pathology, imaging, impedance/pH and other modalities Understand and apply Rome criteria to the diagnosis and management of functional GI disorders Continuously re-evaluate diagnosis and management plan based on patient clinical and therapeutic response Advanced education to families and children regarding diagnosis and therapeutic options. Understand etiology and pathogenesis of elevated liver enzymes throughout childhood and perform appropriate diagnostic workup and management	Lead a multi-disciplinary team – nutritionist, surgeon, nurses, psychologists, and support staff as applicable Apply QI, Best Practices, and scientific evidence to the diagnosis and management of children with GI and Liver outpatient disorders Recognize the need for referral of complicated GI and Liver patients with outpatient issues to institutions with specific expertise (ie motility center, etc) Recognize liver disease that may present as an outpatient including but not limited to Wilson's, Autoimmune liver disease, NAFLD, Gallstones, CF, and viral hepatitis Understand basic motility testing as it pertains to FGIDs including ARM	Participate in scholarly activity related to functional and common GI disorders Present research findings at a national meeting in oral format Perform advanced motility testing including antroduodenal motility and colonic motility Be invited to speak at a regional meeting or grand rounds on functional and common GI or Liver disorders
Training / Expertise Level				
Entrustment Level				
Entrustment Level Execution with direct proactive supervision	Execution with reactive supervision (on request)	Supervision at distance post hoc supervision	Entrustment, ready for unsupervised practice	Supervision of othe junior colleagues

Level 1	Level 2	Level 3	Level 4	Level 5
Understand basic similarities	Understand the natural	Develop an appropriate	Manage complex advanced	Interpret video capsule
and differences between CD	history, epidemiology,	management plan for	issues associated with IBD	endoscopy for
and UC	pathogenesis, and extra-	maintenance therapy and	including fistulae, strictures,	children/adolescents with IBD
	intestinal manifestations	disease flares	perianal disease, pouchitis	
			and post-surgical	Participate in scholarly activity
Recognize potential patients	Perform endoscopy for	Develop an appropriate	management	related to inflammatory bowel
based on history and	children with suspected IBD	management plan for		disease
laboratory data		escalation of therapy	Understand medication	
	Develop an appropriate initial		optimization including use of	Present research findings at a
0 1.	diagnostic plan including	Understand indications for	metabolites and medication	national meeting in oral
Complete an essential history	laboratory evaluation,	surgical treatment and work	levels/antibodies in treatment	format
and examination on children	endoscopy, imaging and	with surgeons to develop a	Daniel Company	
with potential IBD	other tests	surgical plan of care	Recognize conditions	Dantinio eta la
	Understand medication	Understand the various	associated with IBD and refer	Participate in
			when necessary including	regional/national meetings
	classes/side effects (steroids,	disease activity measures	depression	specific to IBD
	immune-modulators,biologics, other)	(clinical, endoscopic, other)	Lead a multi-disciplinary–	
	other)	Recognize GI related	nutritionist, surgeon, nurses,	Be invited to speak at
	Understand enteral therapy	diseases associated with IBD	support staff, psychologist	regional meetings/grand
	as treatment for CD	(PSC and FGIDs)	support stair, psychologist	rounds on IBD
	as treatment for OB	(1 00 and 1 0103)		Tourids on IDD
	Be familiar with other	Advanced education	Apply QI, Best Practices, and	Lead an institutional IBD
	medications and supplements	including side effects, long-	scientific evidence	Center
	that can be used and have	term outcome, surgery, risk		Come
	been studied in IBD	benefits and prevention	Understand the use and	
		a constitution of the cons	interpretation of disease	
	Develop an appropriate initial	Perform health care	monitoring modalities	
	management plan for newly-	maintenance (flu shot, bone	including imaging, video	
	diagnosed IBD	health, vaccinations, optho	capsule endoscopy and	
		exams)	repeat endoscopy	
	Basic education to families	,		
	and children regarding		Transition care of IBD from	
	diagnosis, treatment, disease		pediatric to adult practitioner	
	course, etc.			
Training / Expertise Level				
Entrustment Level				
Execution with direct	Execution with reactive	Supervision at distance	Entrustment, ready for	Supervision of others
proactive supervision	supervision (on request)	post hoc supervision	unsupervised practice	junior colleagues

Level 1	Level 2	Level 3	Level 4	Level 5
Develop a basic initial diagnostic plan for uncomplicated diarrhea	Understand the natural history of EoE, celiac disease, EGIDs	Understand the natural history and pathogenesis of FPIES	Understand experimental and emerging treatments for EoE Understand epidemiology,	Identify gaps in knowledge within Eosinophilic and allergic diseases and perform research to improve the
dentify milk protein sensitivity n infants	Understand the pathogenesis of food allergies and development of eosinphilic	Understand pharmacologic therapy that may be used for esophagitis and EoE	genetic basis, natural history, pathogenesis, cancer risk, and treatment of polyps and	understanding of these diseases
dentify signs/symptoms within a history that may	esophagitis.	Understand food allergy	polyposis syndromes	Participate in scholarly activity related to EGIDs, celiac
suggest esophageal mucosal disease and EGIDs	Understand the epidemiology and genetics of celiac disease and its associated conditions	testing in EGIDs Advanced education of long-	Understand advanced endoscopic approaches to esophageal cancer and the	disease, GI Bleeding, or polyposis syndromes
dentify signs/symptoms of celiac disease	Develop an appropriate initial diagnostic plan including	term effects of celiac disease and EoE	risk of cancer development in Barretts esophagitis	Present research findings at a national meeting in oral format
Recognize signs and symptoms of malabsorption/diarrhea	laboratory evaluation for EoE and celiac disease	Recognize unusual presentations of Celiac	Apply QI, Best Practices and scientific evidence to celiac disease, EoE, EGIDs, PUD,	Participate in regional/nationa meetings
related to mucosal disease	Basic education to families and children regarding EoE, celiac disease	Advanced understanding of a gluten-free diet and dietary modifications in EGIDs	polyposis syndromes and other mucosal diseases	Be invited to speak at regiona meetings/grand rounds
	Understand the differential diagnosis of GI bleeding in infants, children and adolescents and	Read impedance/pH studies and direct management of peptic disorders	Recognize presentation and treat other mucosal diseases: CGD, immunodeficiencies, neonatal enteropathies, HUS, HSP, autoimmune	
	signs/symptoms of ulcers Recognize the contribution of	Basic understanding of polyps and definition of polyposis syndromes	enteropathy, Lead a medical team	
	H.Pylori to peptic ulcer disease	Understand current theories on food allergy development and the prevention of food allergies as it pertains to food initiation	including dieticians, allergists, pathologists, and surgeons as it pertains to mucosal diseases	
Training / Expertise Level				
Entrustment Level				

EPA Title: Care of Infants, Child	dren and Adolescents with Conge	enital Anomalies/Diarrhea, GI Infe	ctions, and Intestinal Failure/Trans	splant
Level 1	Level 2	Level 3	Level 4	Level 5
Performs history and physical exam in children presenting with congenital anomalies and/or congenital diarrhea Understand the epidemiology and pathogenesis of common GI infections including viral, bacterial, fungal and parasitic causes of diarrhea Recognize signs and symptoms of necrotizing enterocolitis (NEC) in the premature infant Recognize signs and symptoms of malabsorption related to anatomic or infectious etiology	Understand the epidemiology and embryology of congenital anomalies including TEF, gastroschisis, omphalocele, VACTERL, intestinal web/atresia, Meckel diverticulum, malrotation Recognize presentation and develop an appropriate initial diagnostic plan and treatment for congential anomalies Understand the variety of diagnostic tests for GI infections including stool studies and laboratory evaluation Understand diagnosis and management of bacterial overgrowth Recognize CVL infections and their treatment and prevention in children with CVL access	Understand treatment of GI infections including indications for and against treatment and options for children refractory to standard treatment Understand the epidemiology and pathogenesis of NEC and current theories for the cause and prevention Management of diarrheal conditions within the hospital setting including dumping Management of complex surgical patients with ostomies, other anatomic alterations, TEF, etc. Recognition of Meckel's diverticulum as the cause of GI bleeding Understand rare causes of diarrhea (gastrinoma, VIPoma) Understand autoimmune causes of diarrhea including IPEX and other autoimmune enteropathies	Manage infants/children with short bowel syndrome and intestinal failure Advanced counseling of parents and children with short gut syndrome Lead or participate in a multidisciplinary team — nutritionist, surgeon, nurses, psychologists, and support staff as applicable especially in the setting of short bowel syndrome and congenital anomalies Understand congenital secretory diarrheas (Congenital sodium/chloride diarrhea, tufting, microvillous inclusion, etc) Understand congenital osmotic diarrhea (glucose-galactose malabsorption, congenital sucrose-isomaltase) Understand causes of steatorrhea (abetalipoproteinemia, bile acid malabsorption, lipase deficiency, chylomicron retention disease)	Advanced management of short bowel syndrome and intestinal transplantation Perform fecal bacteriotherapy for children with unresponsive CDiff Participate in scholarly activity related to congential anomalies, GI infections, or intestinal failure/SBS Present research findings at a national meeting in oral format Be invited to speak at a regional meeting or grand rounds
Training / Expertise Level				
Entrustment Level				
Execution with direct proactive supervision	Execution with reactive supervision (on request)	Supervision at distance post hoc supervision	Entrustment, ready for unsupervised practice	Supervision of others junior colleagues

laboratory data suspicious for liver disease Complete an essential history and examination on children with liver disease Complete an essential history and examination on children with liver disease Understand differences between acute and chronic liver disease between acute and chronic liver diseases experience of liver diseases including laboratory evaluation, histology, imaging and other tests Recognize general categories of liver diseases including infectious (viral), metabolic, genetic, immunologic, onocologic, vascular, and obesity Devlop an appropriate initial management plan based on classes/side effects (steroids, immune-modulators, diuretics) Perform basic education regarding diagnosis, treatment, disease course, etc Diagnose and treat viral etiologies of liver disease Diagnose and manage autoimmune hepatitis Recognize and diagnose drug related liver diseases of liver diseases expectated with paper disease including maintenance, flares, and escalation of therapy and anturition, portal hypertension, ascites, concephalopathy lidentify complications of chronic liver diseases (potatal hypertension, ascites, one and interpret disease including indentifications of chronic liver diseases (potatal hypertension, ascites, one activity related to liver disease. Performediation and adolescents with liver disease including and interpret disease including indentifications of chronic liver diseases (potatal hypertension, ascites, one activity, peptrension, ascites, one activity related to liver disease. Persont research findings at a national meeting in oral format maging assessments. Recognize extra-hepatic diseases associated with liver disease including including in paper disease (paper). Inderstand and interpret disease monitoring modalities including clinical, laboratory, and imaging assessments. Recognize ESLD and refer for liver transplantation. Perform advanced education regarding diagnosis, treatment, disease course, etc. Diagnose and treat viral etiologies of liver disease. Diagnose and m	laboratory data suspicious for liver disease Complete an essential history and examination on children with liver disease Understand differences between acute and chronic liver disease	history, epidemiology, pathogenesis, and extrahepatic manifestations of acute and chronic liver diseases Develop an appropriate initial diagnostic plan including laboratory evaluation, histology, imaging and other	diseases including maintenance, flares, and escalation of therapy Identify complications of chronic liver disease (portal hypertension, ascites, hepatocellular carcinoma)	issues associated with liver disease including malnutrition, portal hypertension, ascites, coagulopathy, hepatic encephalopathy Understand and interpret	children and adolescents with liver disease Participate in scholarly activity related to liver disease Present research findings at a
Recognize and diagnose drug related liver disease Recognize and treat vascular causes of liver disease	of liver diseases including infectious (viral), metabolic, genetic, immunologic, oncologic, vascular, and obesity	Develop an appropriate initial management plan based on liver disease etiology Understand medication classes/side effects (steroids, immune-modulators, diuretics) Perform basic education regarding diagnosis, treatment, disease course, etc Diagnose and treat viral etiologies of liver disease Diagnose and manage	diseases associated with liver disease (hepatorenal, hepatopulmonary) Recognize ESLD and refer for liver transplantation Perform advanced education including side effects, long-term outcome, surgery, risk benefits and prevention Perform health care maintenance Recognize and treat genetic and metabolic disorders that result in liver disease	including clinical, laboratory, and imaging assessments Lead a multi-disciplinary team: nutritionist, surgeon, nurses, support staff, psychologist Understand indications for surgical treatment of portal hypertension and work with surgeons to develop a surgical plan of care Apply QI, Best Practices, and scientific evidence Transition care of liver disease from pediatric to	Format Participate in regional/national meetings specific to liver disease Be invited to speak at regional meetings/grand
	a F	autoimmune hepatitis Recognize and diagnose drug	Recognize and treat vascular		
	Training / Expertise Level				

Perform history and physical exam in children presenting with red flags for epatobiliary disease [Junderstand bile acid metabolism and associated disorders.] Develop a basic initial diagnostic plan including abortatory evaluation, endoscopy, imaging and other tests as needed Understand bilibility and liver metabolic pathways Develop an appropriate diagnostic plan for laboratory, imaging, and procedures for biliary diseases Develop an appropriate diagnostic plan for neonatal cholestasis with alagille syndrome Recognize BA and refer for surgical management in a timely manner Recognize infections and hemolytic diseases as acases of cholestatic disorders and diagnose/manage appropriately Training / Expertise Level Inderstand biliary anatomy and abnormalities present with choledochal cysts Understand metabolic/genetic causes of liver diseases (PFIC, neonatal cholestasis spalibladder disease including cholelithiasis and biliary dyskinesia diagnostic plan for laboratory, imaging, and procedures for biliary diseases Develop an appropriate diagnostic plan for neonatal cholestasis with alagille syndrome Recognize BA and refer for surgical management in a timely manner Recognize infections and hemolytic diseases as acases of cholestatic disorders and diagnose/manage appropriately Training / Expertise Level	Level 1	Level 2	Level 3	Level 4	Level 5
	exam in children presenting with red flags for nepatobiliary disease jaundice, pruritus) Develop a basic initial diagnostic plan including aboratory evaluation, endoscopy, imaging and other tests as needed Understand biliary anatomy	history, epidemiology, and pathogenesis of biliary diseases Understand bile acid metabolism and associated disorders Develop differential diagnosis for biliary diseases Develop an appropriate initial diagnostic plan for laboratory, imaging, and procedures for biliary diseases Develop an appropriate diagnostic plan for neonatal cholestasis Recognize signs/symptoms and association abnormalities with alagille syndrome Recognize BA and refer for surgical management in a timely manner Recognize infections and hemolytic diseases as causes of cholestatic disorders and diagnose/manage	and abnormalities present with choledochal cysts Understand metabolic/genetic causes of liver disease that result in cholestasis Recognize and manage gallbladder disease including cholelithiasis and biliary dyskinesia Manage patients with Alagille disease and understand medical/surgical options Educate families and children regarding biliary diseases Understand medication classes and side effects used to treat biliary disease Recognize Gilbert's syndrome and more severe disorders of bilirubin metabolism (Crigler-Najjar, Dubin-Johnson, Rotor) Diagnose and manage	defects of the intrahepatic bile ducts (Caroli Disease) Understand the molecular defects in bile acid transport and synthesis disorders (PFIC, neonatal cholestasis, bile acid synthesis defects, etc) Diagnose and manage biliary disorders associated with other diseases (Primary sclerosing cholangitis, CF associated biliary disease, polycystic kidney disease) Lead a multi-disciplinary team including dietician, surgeons, and others that care for children with biliary diseases Apply QI, Best Practices, and Scientific Evidence Transition care of patients from pediatric to adult	activity related to biliary disease Present research findings or clinical case at a national meeting Be invited to speak at regional/national meetings or
	Γraining / Expertise Level	1 abbrokimmi	<u>L</u>	<u>I</u>	<u>L</u>

EPA Title: Care of Infants, Chi	ldren, and Adolescents with Pand	creatic Disorders		
Level 1	Level 2	Level 3	Level 4	Level 5
Perform history and physical exam in children presenting with pancreatic disease Develop a basic initial diagnostic plan including laboratory evaluation, imaging and other tests as needed for acute and chronic pancreatitis Recognize signs and symptoms of pancreatic insufficiency Differentiate endocrine and exocrine pancreatic functions	Understand anatomy and embryology of the pancreas and the complications with pancreatic anatomic abnormalities (divisum, annular pancreas, etc) Understands the natural history, epidemiology and pathogenesis of pancreatic disorders (pancreatitis, pancreatic insufficiency, pancreatic masses) Develops an appropriate intial diagnostic and management plan for pancreatitis and interpret diagnostic tests Basic education to families and children regarding diagnosis and treatment of pancreatitis Recognize signs and symptoms that differentiate between an acute or chronic process, including hereditary pancreatitis and perform appropriate laboratory evaluation	Understand physiology of the pancreas including pancreatic exocrine secretion of enzymes Understand the molecular genetics of pancreatic disease Continuously re-evaluate diagnosis and management plan based on patient clinical and therapeutic response Advanced education to families and children regarding diagnosis and therapeutic options. Understand presentation and diagnostic approach to pancreatic masses Understand pancreatic enzyme replacement medications, doses, and side effects Recognize signs/symptoms and perform diagnostic testing for pancreatic insufficiency	Manage complex complications of pancreatitis including pseudocyst, hemorrhagic pancreatitis, necrotic pancreatitis Treat and monitor children with pancreatic insufficiency including those with CF Lead a multi-disciplinary team – nutritionist, surgeon, nurses, psychologists, and support staff as applicable Apply QI, Best Practices, and scientific evidence	Participate in scholarly activity related to pancreatic disorders Perform ERCP and endoscopically manage pancreatic diseases Present research findings at a national meeting in oral format Be invited to speak at a regional meeting or grand rounds on pancreatic disorders
Training / Expertise Level				
Entrustment Level Execution with direct proactive supervision	Execution with <u>reactive</u> supervision (on request)	Supervision at distance post hoc supervision	Entrustment, ready for unsupervised practice	Supervision of others junior colleagues

EPA Title: Care of children and	adolescents before and after live	r transplantation		
Level 1	Level 2	Level 3	Level 4	Level 5
Understand the disease processes that could lead to liver transplantation in children and adolescents. Recognize potential candidates for liver transplantation based on history, physical examination and laboratory/ancillary data. Complete an essential history and physical examination on post-transplant children and adolescents.	Understand the natural history, epidemiology, pathogenesis, and indications/timing of liver transplantation in children. Understand the appropriate initial management plan pretransplant, including laboratory, endoscopy, liver biopsy, imaging and other tests Understand medication classes and side effects including use of steroids, immunomodulators, biologics, antiviral, antibiotics and other medications posttransplant. Participate in the development of an appropriate initial management plan for recently transplanted patients. Understand the nutritional needs of post-transplant children and adolescents. Observe or participate in the education of patients and their families regarding medication indications, treatment side effects, natural history and post-	Develop an appropriate plan for long-term therapy post-transplant and manage comorbidities and complications. Understand indications for surgical interventions and collaborate with surgeons to develop an appropriate post-transplant care. Understand disease activity measures such as, laboratory tests, imaging, liver biopsy, endoscopy and other tests. Recognize and treat biliary and vascular complications as well as other post-operative complications such as intra-abdominal abscess, acute rejection, electrolyte imbalance,, hypertension, macro and micronutrient deficiencies. Participate in patient and family education on short- and long-term complications, treatment side effects and prevention of complications.	Manage complex advanced issues associated with liver transplantation including chronic rejection, autoimmune diseases, PTLD, renal disease, risk of cancer and other issues. Recognize and consult specialists for conditions associated with liver tx including depression, renal dysfunction, development of skin lesions/malignancies, etc. Lead multidisciplinary teams including dietitians, surgeons, nurses, psychologists, social workers and other support staff (?composition of team) Apply quality improvement, best	Independent interpretation of tests such as liver biopsy and imaging in post-transplant children and adolescents. Participate in scholarly activity related to liver transplantation. Present research findings at a national meeting. Participate in regional/national meetings specific to liver disease and transplantation. Speak at regional meetings/grand rounds on liver transplantation.
Training / Expertise Level Entrustment Level	transplantation.	health, vaccinations, skin exam)	practitioners.	
Execution with direct proactive supervision	Execution with <u>reactive</u> supervision (on request)	Supervision at distance post hoc supervision	Entrustment, ready for unsupervised practice	Supervision of others junior colleagues

Level 1	Level 2	Level 3	Level 4	Level 5
Perform history and physical xam in children presenting with malnutrition (FTT, besity, etc) Develop a basic initial iagnostic plan including ssessment of caloric intake, aboratory evaluation, indoscopy, imaging and ther tests as needed Understand and apply ifferent growth curves in pecial populations	Understand the natural history, epidemiology pathogenesis of common diagnoses for failure to thrive Understand basic science processes of digestive enzymes, bile acids, and digestion/absorption of food Understand the major components and similarities/differences in infant, toddler, and specialty formulas Develop an appropriate initial diagnostic plan including dietary assessment, laboratory evaluation, endoscopy, imaging and other tests. Understand daily fluid, caloric, protein, fat and vitamin/mineral needs of infants and children Understand different types of enteral access Recognize signs and symptoms that suggest an organic process	Understand the major signs and symptoms of vitamin and mineral deficiencies and toxicity Understand vitamin repletion with medications and maintenance of vitamin status Develop an appropriate management plan for failure to thrive and obesity Recognize indications for enteral access and/or TPN initiation in children with a variety of disorders Educate patients and their families about enteral and parenteral access options Manage inpatient and outpatient TPN orders and labs and adjust TPN accordingly Continuously re-evaluate management plan for feeding/nutritional intervention based on patient clinical and therapeutic response	Advanced counseling of parents and children regarding nutritional aspects of diseases including hypercholesterolemia, hyperlipidemia, obesity, IBD, celiac, EoE, vitamin deficiencies Advanced understanding of hypercholesterolemia and hyperlipidemia/hypertriglyceridemia including prognosis and therapeutic options. Apply nutritional expertise into all facets of medical care within our specialty and through a wide variety of medical diagnoses and conditions Lead a multi-disciplinary team — nutritionist, surgeon, nurses, psychologists, and support staff as applicable Familiarity with common and unusual presentations of eating disorders Apply QI, Best Practices, and scientific evidence	Participate in scholarly activity related to Nutritional Issues, Deficiencies, and Obesity Present research findings at a national meeting in oral format Be invited to speak at a regional meeting or grand rounds on Nutritional Issues, Deficiencies, and Obesity
raining / Expertise Level				