**Supplemental Digital Table 2.**

Items of ESPGHAN’s Basic Knowledge Syllabus Fully Met, Partially Met and Unmet.

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|  | **Fully met** | **Partially met** | **Unmet** |
| **GASTROENTEROLOGY** |  |  |  |
| − Know the causes of growth failure/failure to thrive, malnutrition and chronic diarrhea |  |  |  |
| − Know the causes of maldigestion and malabsorption disorders (e.g. coeliac disease, cystic fibrosis, pancreatic insufficiency, immunodeficiencies) |  |  |  |
| − Know the causes of intractable diarrhoea syndrome |  |  |  |
| − Know chronic inflammatory bowel diseases (IBD) |  |  |  |
| − Know the composition of different diets/feeds used to treat IBD |  |  |  |
| − Know and manage gastrointestinal food allergy |  |  |  |
| − Know and manage Helicobacter pylori gastritis and peptic ulcer disease |  |  |  |
| − Know and manage gastro-esophageal reflux disease and esophagitis in pre-term and term infants and in children with neuro-developmental disabilities |  |  |  |
| − Know congenital anomalies of the gastrointestinal tract |  |  |  |
| − Know and recognize intestinal failure e.g. short bowel syndrome |  |  |  |
| − Know and recognize functional bowel disorders |  |  |  |
| − Know the differential diagnosis and be able to investigate a patient with acute abdominal pain |  |  |  |
| − Acute gastroenteritis: be able to assess dehydration and start its management |  |  |  |
| − Gastrointestinal bleeding: differential diagnosis and be able to resuscitate a patient in the acute phase of bleeding |  |  |  |
| − Know gastrointestinal motility disorders |  |  |  |
| − Know the causes of intestinal obstruction |  |  |  |
| − Recognize when a surgical opinion is required |  |  |  |
| − Be able to investigate pyloric stenosis, Hirschsprung's disease and intussusception |  |  |  |
| − Know the differential diagnosis of bilious vomiting |  |  |  |
| − Be able to differentiate and investigate abdominal masses |  |  |  |
| − Chronic constipation: be able to differentiate between primary and secondary constipation |  |  |  |
| − Know pancreatitis |  |  |  |
| − Be able to advise on post-operative management especially where rehabilitation with enteral or parenteral nutrition support is required |  |  |  |
| − Be able to interpret a small bowel biopsy and an upper and lower gastrointestinal endoscopy |  |  |  |
| − Be able to interpret a DEXA bone densitometry result |  |  |  |
| − Be able to interpret breath tests |  |  |  |
| − Be able to interpret a pH-impedance study |  |  |  |
| **HEPATOLOGY** |  |  |  |
| − Know the common causes of prolonged neonatal jaundice |  |  |  |
| − Know the differential diagnosis of conjugated hyperbilirubinemia of infancy |  |  |  |
| − Be able to promptly recognize biliary atresia and know its clinical features and outcome |  |  |  |
| − Know the infectious causes of liver disease |  |  |  |
| − Know about the metabolic and toxic liver disorders |  |  |  |
| − Know the causes of chronic liver disease |  |  |  |
| − Know the causes and management of acute liver failure |  |  |  |
| − Know and manage complications of end-stage liver disease |  |  |  |
| − Know the correct timing to refer for liver transplantation |  |  |  |
| − Know the presentation of portal hypertension and its medical, endoscopic and surgical management |  |  |  |
| − Know the differences between pre-hepatic and hepatic portal hypertension |  |  |  |
| − Be able to liaise with intensivists, liver transplant surgeons and transplant coordinators regarding management of liver failure and its complications |  |  |  |
| **NUTRITION** |  |  |  |
| − Understand the basis of normal infant/childhood growth and feeding |  |  |  |
| − Understand assessment of feeding ability and nutritional status |  |  |  |
| − Know the physiology of nutrient digestion, absorption, metabolism and elimination |  |  |  |
| − Recognize and manage feeding disorders including anorexia nervosa and bulimia |  |  |  |
| − Understand the mechanisms of malnutrition in gastrointestinal and liver disease |  |  |  |
| − Understand methods of nutritional support and their use |  |  |  |
| − Know the dietary requirements of children. |  |  |  |
| − Know the short and long term effects of malnutrition in the infant, child and adolescent |  |  |  |
| − Be able to manage iron deficiency anemia |  |  |  |
| - Know the techniques for measuring dynamic nutritional parameters (e.g. resting energy expenditure) |  |  |  |
| − Understand the role of nutritional support teams in hospital and community settings, and the roles of individual team members |  |  |  |
| − Know the different types of growth charts available and how to use them |  |  |  |
| − Know indications and contraindications for commencing enteral and parenteral nutritional support |  |  |  |
| − Know the composition of different enteral feeds and of parenteral nutrition |  |  |  |
| − Be able to devise a feeding management plan in conjunction with other team members for patients requiring home enteral tube feeding or parenteral nutrition |  |  |  |
| − Know how to investigate and manage a parenterally fed patient with pyrexia |  |  |  |
| **INVESTIGATIONS** |  |  |  |
| − Understand the basis of tests for maldigestion and malabsorption, liver dysfunction, esophageal pH/luminal impedance monitoring and manometric studies |  |  |  |
| − Know indications and usefulness of relevant imaging and endoscopic techniques |  |  |  |