

NW Gastro Training Curriculum 2022

Guidance for Training Leads

A 4-year curriculum has now been developed in line with the new shape of training. The organisation of formal training for our registrars will be shared by departments across the region in a rotating manner. Registrars will travel to you, to make it easier for consultants / wider team to contribute to teaching.

Format

Full return to face-to-face teaching. Please arrange for an appropriate room booking on the allocated date for up to 40 trainees at your trust. Average attendance is likely to be around 20-30 trainees. Suggested timings for each day would be approximately 10:00 – 16:00 with time for breaks and lunch. Arranging lunch through pharmaceutical sponsorship locally would be appreciated. Trainee contributions to teaching are welcomed.

Theme and topics

The theme for each training day and a list of recommended topics is provided in this document. The aim is for each curriculum topic to be covered once in each 4-year period. If there are other topics of interest feel free to incorporate these.

AV equipment

It is preferable for the room to have appropriate AV equipment where possible so that we could run and record the meeting via Microsoft Teams. This will improve access to trainees who are out of programme or on parental leave and will allow us to develop a library of recorded talks as a resource. If this is not possible do not worry, a face-to-face format is the priority. STC will support you with managing the AV tech.

Quarterly trainee meeting

45-minute session to be built into training days on quarterly basis for trainees to meet with TPD and STC to discuss training issues.

Rotating list of hospitals:

Blackpool Victoria
North Manchester
Fairfield General
Rochdale Infirmary
Barrow and Furness General
Royal Lancaster Infirmary
Manchester Royal Infirmary
Royal Albert Edward Infirmary
Royal Blackburn Hospital
Royal Bolton Hospital
Royal Preston Hospital
Salford Royal Hospital
Stepping Hill Hospital
Wythenshawe Hospital

Year 1

Management Skills

Developing a business case
Presentation skills
Clinical governance
Dealing with complaints

Upper GI 1

Oral and cutaneous manifestations of GI disease
Oesophageal motility disorders
Oesophageal tumours
Oesophageal disorders caused by caustic agents, medications, infection and trauma
Oesophageal emergencies

IBD 1

Fistulating and perianal Crohn's Disease
Surgery and IBD
Recognition and management of fulminant colitis
Multidisciplinary team involvement in the long-term management of IBD
Transition of adolescent with IBD

Hepatology 1

Liver physiology and metabolic function
Liver abscess and bacterial, parasitic, fungal and granulomatous disease
Liver disease and lifestyle – ALD / NAFLD including risk stratification & use of non-invasive assessments
Sarcopenia & nutrition in liver disease

HPB 1

Gallstone disease and its complications
Tumours of the gallbladder, bile ducts, and ampulla
ERCP and radiologic treatment of biliary disease
IgG4 fibrosclerosing disease

Small Bowel & Nutrition 1

Intestinal motor physiology
Intestinal electrolyte absorption and secretion
Digestion and absorption of nutrients and vitamins
Maldigestion and malabsorption
Coeliac disease

Neurogastroenterology 1

Upper GI physiology
Secretion and motility
Molecular aspects of central and peripheral sensitisation
Psychogenic vomiting
Functional disorders in childhood

Endoscopy 1

Stenting - upper and lower GI

Balloon dilatation - upper and lower GI
Management of LGIB
Rectoscopy / proctoscopy and ligation banding of haemorrhoids
Managing endoscopic complications
Communication with patients before and after procedure, especially 'bad news'

Lower GI 1

Mesenteric ischemia
Diseases of the appendix
Colorectal cancer-multidisciplinary approach
Bowen's disease, condylomata
Rectal Bleeding

Year 2

IBD 2

Nutrition and IBD
Endoscopy in IBD
Psychosocial effects of IBD
Management of local and systemic, (extra-intestinal), complications of IBD
Proctitis

Neurogastroenterology 2

Methods of investigation small bowel motor function
Prokinetics and antiemetics
Chronic constipation
Chronic intestinal pseudo-obstruction
Functional dyspepsia

Upper GI 2

Gastric motor physiology and motor disorders
Other types of gastritis and gastropathies, including Menetrier's Disease
Tumours of the stomach
Peptic ulcer disease and role of Helicobacter pylori / NSAIDs

Genomics

Monogenic diseases e.g., Lynch syndrome, hereditary pancreatitis
Polygenic/ multifactorial diseases e.g., Crohn's, coeliac disease
Early onset disease e.g., Cancer <50
Viral hepatitis genotype
Personalised care

Endoscopy 2

Endoscopy non-technical skills
Safe administration of sedation including its monitoring, e.g. Ramsey Scale of Sedation
Wireless capsule endoscopy
Small Bowel Endoscopy
Treatment of UGIB
Variceal Haemorrhage, prevention and prophylaxis

Small Bowel & Nutrition 2

The malnourished patient: Nutritional assessment and management
Anorexia nervosa, and bulimia
Obesity and indications and complications of bariatric surgery
Food allergies

Lower GI 2

Infectious diarrhoea and bacterial food poisoning
Radiation enteritis and colitis
Ileostomy and its alternatives
Diverticular disease and diverticulitis
Gut microbiome

Hepatology 2

Acute liver failure and critical illness
Ascites, SBP and renal dysfunction
Acute on chronic liver failure
Hepatic encephalopathy
Portal hypertension, pharmacotherapy & future perspectives

HPB 2

Pancreatic insufficiency
Pancreatic cancer, and cystic neoplasms
Endocrine tumours of the pancreas
Pancreatic Imaging

Year 3

Hepatology 3

Autoimmune hepatitis
Alcoholic hepatitis
Vascular liver disease
Hepatic tumors and cysts
NAFLD

Endoscopy 3

EUS for HPB disease
Endoscopic feeding tubes
EMR vs ESD
Monotherapy / Diathermy at endoscopy

Small Bowel & Nutrition 3

Enteric bacterial flora and bacterial overgrowth syndrome
Coeliac sprue and refractory sprue
Tropical malabsorption and tropical diarrhoea
Whipple's disease
Small bowel emergencies

Epidemiology and Public Health

Barrett's oesophagus
Inflammatory bowel disease
Bowel Cancer Screening Program

Non-Alcoholic Fatty Liver Disease (NAFLD) and obesity
Alcohol
GI motility disorders
Knowledge of surveillance guidelines in GI malignancies
Knowledge of advanced diagnostic methods for detection of dysplasia and methods of ablation

Lower GI 3

Gastrointestinal protozoa and helminths
Clostridium Difficile colitis
Faecal microbiota transplantation
Eosinophilic gastroenteritis
Colorectal cancer - multidisciplinary approach

Transplant Hepatology

Indications and contraindications for liver transplant
Pre-transplant assessment & organ selection
Immediate and intermediate post-transplant care
Long term post-transplant follow up

IBD 3

Overview of biologics in Crohn disease
IBD and reproductive health, pregnancy and lactation
IBD in older persons
Microscopic colitis

Upper GI 3

Management of oesophageal diverticula
Endoscopic management of reflux
H pylori and gastric cancer
Peutz Jeghers Syndrome
Gastric neuroendocrine tumour

Neurogastroenterology 3

IBS
Management of chronic diarrhoea
Functional lower GI and defecation disorders
Faecal incontinence
Neuro-gastroenterological disturbances in metabolic and systemic disorders

Year 4

Lower GI 4

Polyp characterization and Paris classification
Polyposis and hereditary colorectal cancer
Ileoanal pouch for gastroenterologists
Pelvic radiation disease
Anorectal disorders and PR examination
Sexually transmitted perianal disease

HPB 3

Acute pancreatitis, staging and management of its complications
MDT approach to acute pancreatitis, with radiological and surgical colleagues
Chronic pancreatitis
Pancreatic physiology and secretory testing
Pancreatic physiology

Hepatology 4

Inherited metabolic disorders involving the liver
Pregnancy-related hepatic disorders
Primary sclerosing cholangitis
Thinking forward in liver disease: integrating palliative care

Intestinal Failure

Type 1 IF and management
Short Bowel Syndrome
Type 2 IF and management including SNAP
Type 3 IF management including HPN and pitfalls
Parenteral nutrition - when and how
Reconstructive surgery

Upper GI 4

Diagnosis, investigation and management of dysphagia
pH manometry and imaging of upper GI dysmotility
Assessment of Barrett's oesophagus
Chromoendoscopy for oesophageal lesions
Gastric antral vascular ectasia (GAVE)
Benign oesophageal strictures

IBD 4

Management of acute severe ulcerative colitis
Novel therapies in IBD
Treatment of stricturing Crohn's disease
Imaging in IBD

Endoscopy 4

Indications and contraindications of colonoscopy and role of FIT test + FIT audit results
Colonoscopy in special circumstances
AI in colonoscopy
Assessment, classification and management of colonic polyps
Endoscopy guideline update

Small Bowel & Nutrition 4

Isolated and diffuse ulcers of the small intestine
Protein-losing enteropathy
Small intestinal lymphoma
Small intestinal tumours - adenocarcinoma, GIST, Carcinoid Syndrome
Intussusception and enterocele

Hepatology 5

Primary biliary cholangitis

Viral hepatitis and public health
Liver disease caused by drugs and toxins
Immunotherapy-related liver complications
EUS in liver disease
TIPSS in the management of portal HTN

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