

# HONG KONG COLLEGE OF RADIOLOGISTS

## Higher Training (Radiology)

### Subspecialty Training in Gastro-intestinal and Hepatobiliary Radiology

[This document should be read in conjunction with the *General Guidelines on Higher Training (Radiology)*]

#### **1. INTRODUCTION**

- 1.1 The subspecialty covers the gastro-intestinal tract, liver, biliary tract, pancreas, spleen, and the associated vascular, lymphatic, peritoneal, and mesenteric structures.
- 1.2 Apart from diagnostic imaging, experience in basic interventional procedures of the regions is also necessary.
- 1.3 Classified as Category A subspecialty.

#### **2. OBJECTIVES**

The aim of the subspecialty training in gastrointestinal and hepatobiliary (GI/HB) radiology is to ensure a trainee at the end of training period to have:

- 2.1 An in-depth knowledge of current theoretical and practical developments in the subspecialty.
- 2.2 Detailed understanding of indications, contraindications and complications of radiological procedures in GI/HB diseases.
- 2.3 Ability to perform GI/HB radiological procedures independently.
- 2.4 Ability to manage clinical consultation related to the subspecialty.
- 2.5 Competence in clinical rounds and meetings.

#### **3. TRAINING REQUIREMENTS**

##### **3.1 TRAINING CENTRE REQUIREMENTS**

- 3.1.1 Facilities include fluoroscopy, angiography, US, CT, MRI and NM.
- 3.1.2 Endoscopic and laparoscopic procedures should be available in the clinical departments of the Training Centre.

##### **3.2 TRAINER REQUIREMENT**

As specified in the General Guidelines on Higher Training (Radiology).

### 3.3 DURATION OF TRAINING

Six months of training is preferable.  
Three months of training is acceptable.

### 3.4 DUTY SESSIONS

3.4.1 No less than five sessions per week specific for the subspecialty.

3.4.2 Attachment to another centre on sessional basis is advisable if exposure is inadequate or unavailable.

### 3.5 MINIMUM NUMBER OF EXAMINATIONS REQUIRED FOR 6 MONTHS OF TRAINING

<b>Examinations</b>	<b>RIS Coding</b>	<b>Requirement</b>
Fluoroscopic Examinations	2102 Cine Pharyngogram 2104 Swallow Oesophagogram 2105 Meal 2106 Meal and follow through 2107 Small bowel enema 2108 Enema 2109 Defaecogram 2114 Catheter Cholangiogram	Total 60
Ultrasound Scans	3101 Abdominal Organs 3102 Intestine / Appendix	Total 300
CT Scans	4203 Plain CT Abdomen 4204 Contrast Enhanced CT Abdomen 4404 CT Angiogram 4221 Plain CT colonography 4222 IV contrast CT colonography 4223 Plain Enteroclysis 4224 IV contrast Enteroclysis	Total 300
MRI Scans	8305 Plain MRI Abdomen 8306 Contrast Enhanced MRI Abdomen 8307 Plain MRI Abdomen (Survey) 8308 Contrast Enhanced MRI Abdomen (Survey) 8311 MR Cholangiopancreatography 8318 MR Colonography 8319 MR Enteroclysis 8309 MRI Pelvis 8310 IV contrast MRI Pelvis 8321 IV contrast enhanced MRI Liver (with liver-specific contrast agent) 8317 Contrast enhanced MR Cholangiopancreatography (with liver-	Total 100

<b>Examinations</b>	<b>RIS Coding</b>	<b>Requirement</b>
	specific contrast agent) 8614 Diffusion weighted imaging (extra-cranial)	
Related Vascular IR Procedures	6108 Coeliac Arteriogram 6109 Superior Mesenteric Arteriogram 6110 Inferior Mesenteric Arteriogram 6301.AA Abdominal Artery Embolization 6301.AV Abdominal Vein Embolization	Total 40
Nuclear Medicine Scans	9310 HIDA 9330 GI Bleeding Tc – RBC 9331 GI Bleeding Tc – SC 9332 GI Bleeding Tc – Ultra Tag 9370 Meckel’s Scan 9390 Human Serum Albumin Scan	Total 10
PET CT	9P44 Whole body PET-CT for Oncology FDG 9C44 Whole body PET-CT for Oncology FDG + contrast enhanced CT	Total 10
Related Non-vascular IR Procedures	7103-7107 Needle Aspiration / Biopsy 7108-7109 Fluid / Abscess Drainage 7201 Percutaneous Transhepatic Cholangiography 7202 Percutaneous Transhepatic Biliary Drainage 7512.HR Radiofrequency Ablation, Microwave Ablation	Total 30
Plain CT Colonography + IV contrast CT Colonography	4221 Plain CT colonography 4222 IV contrast CT colonography	Total 60

3.5.1 The requirement for 3 months of training will be 50% that for 6 months of training.

3.6 CLINICAL RADIOLOGICAL CONFERENCES AND OTHER MEETINGS

Please refer to the General Guidelines on Higher Training (Radiology).

3.7 PRESENTATIONS AND PUBLICATIONS

Please refer to the General Guidelines in Higher Training (Radiology).

3.8 OPTIONAL REQUIREMENT

Observe 20 endoscopic / laparoscopic procedures, radio-frequency ablation of liver tumours, portal vein embolization, radioembolization of liver tumour and contrast ultrasound of abdomen. These can be in the form of actual hands-on experience or as an observer. Trainees should document the cases in the trainee’s logbook to reflect the training experience.

*Last version endorsed by HKAM Council Meeting on 17 November 2011 and effective from 1 July 2012  
Revised version endorsed by HKAM Council Meeting on 20 October 2016 and effective from 1 July 2017*