

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 REQUIREMENTS

Please refer to the General Guidelines on Higher Training.

3.3 DURATION OF TRAINING

Six months of training are desirable.

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

Examinations	RIS Coding	Requirement
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 150
Ultrasound Scans	3101 Abdominal Organs 3102 Intestine / Appendix	Total 300
CT Scans	4203 Plain CT Abdomen 4204 Contrast Enhanced CT Abdomen 4404 CT Angiogram	Total 200
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 8312 Plain MRI of GI Tract 8313 Contrast Enhanced MRI of GI Tract	Total 50
Angiography Examinations	6108 Coeliac Arteriogram 6109 Superior Mesenteric Arteriogram 6110 Inferior Mesenteric Arteriogram	Total 50
Nuclear Medicine Scans	9310 HBIDA 9330 GI Bleeding Tc – RBC 9331 GI Bleeding Tc – SC 9332 GI Bleeding Tc – Ultra Tag 9370 Meckel's Scan	Total 10
Related IR Procedures (referring to Levels 1 & 2 of Vascular and IR procedures)	7103-7107 Needle Aspiration / Biopsy 7108-7109 Fluid / Abscess Drainage 7201 Percutaneous Transhepatic Cholangiography 7202 Percutaneous Transhepatic Biliary Drainage	Total 30

3.6 CLINICAL RADIOLOGICAL CONFERENCES AND OTHER MEETINGS

Please refer to the General Guidelines on Higher Training.

3.7 PRESENTATIONS AND PUBLICATIONS

Please refer to the General Guidelines in Higher Training.

3.8 OPTIONAL REQUIREMENT

Observe 20 endoscopic / laparoscopic procedures, radio-frequency ablation of liver tumours, portal vein embolization, CT/MRI enteroclysis, virtual colonoscopy, contrast ultrasound of abdomen.