

WEEKLY READING GUIDE FOR THE BODY CT ROTATIONS

THIS LIST SHOULD *GUIDE* YOUR READING. THIS IS NOT A COMPREHENSIVE LIST OF EVERYTHING YOU SHOULD READ TO BECOME PROFICIENT IN BODY IMAGING. READING ABOUT CASES YOU HAVE SEEN DURING THE ROTATION SHOULD BE OCCURRING CONCURRENTLY.

READING SOURCES – ALL OF THESE ARE IN THE RESIDENT LIBRARY

BOOK 1

FUNDAMENTALS OF BODY CT, Webb, Brant and Major, 1998 ELSEVIER

BOOK 2

COMPUTED BODY TOMOGRAPHY WITH MRI CORRELATION, Lee JK, Sagel SS, 1998, Lippincott-Raven

BOOK 3

Oxford American Handbook of Radiology, Lewis, McNulty, 2013, Oxford University Press

BOOK 4

Dynamic Radiology of the Abdomen, Morton Meyers, Springer

CTA BOOK

CT AND MR ANGIOGRAPHY COMPREHENSIVE VASCULAR ASSESSMENT, Rubin GD, Rofsky NM, 2009, Lippincott-Williams & Wilkins

ROTATION #1, YEAR ONE

PREPARATION

Review the CT Rotation introduction powerpoint tutorial

Book 3, chapters 1 and 3 (section on ‘CT’)

Book 1, chapter 1 “Introduction to CT of thorax”

Book 1, chapter 8 “Introduction to CT of the abdomen & pelvis”

Review CT anatomy: www.dartmouth.edu/~anatomy Under ‘thorax, abdomen, pelvis’, there are a series of contiguous CT images with pertinent anatomy to identify. Site can be used to self-test.

WEEK 1

Book 3, Chapter 3 (common conditions evaluated with CT & MR)

Book 1, chapter 9 “Peritoneal cavity, vessels, nodes, abdominal wall”

Book 1, chapter 3 “Mediastinum: vascular abnormalities”

Book 1, chapter 11 “Liver”

WEEK 2

Book 1, chapter 10 “Abdominal Trauma”

Book 1, chapter 2 “Mediastinum: intro and anatomy”

Book 1, chapter 4 “Mediastinum: LN & masses”

LN groups

CT appearance of LNs

WEEK 3

Book 1, chapter 13 “Pancreas”

CT technique

Anatomy

Pancreatitis

Book 1, chapter 15 “Kidneys & ureters”

Book 1, chapter 6 “lung disease”

Normal anatomy

Solitary Pulmonary nodule & focal lesions

Mult pulmonary nodules & mets

WEEK 4

Book 1, chapter 17 “Gastrointestinal tract”

Book 1, chapter 18 “Pelvis”

Book 2, chapter 17 “Retroperitoneum”→Aorta

ROTATION #2, YEAR ONE

PREPARATION

Book 2, chapter 10 “Normal abdominal and pelvic anatomy”
CTA book- Chapter 19, “Normal anatomy and congenital variants”

WEEK 1

Book 1, chapter 16 “Adrenal glands”
Book 1, chapter 14 “Spleen”
Book 2, chapter 16 “Abdominal Wall and Peritoneal Cavity”
Read procedure related document resources under “procedures & patient care” section of the Body
Division section of the departmental website
Book 2, chapter 3 “Interventional Computed Tomography”
Book 3, chapter 10 “aspiration, biopsy & drainage”

WEEK 2

Book 2, chapter 15 “Pancreas”
techniques, anatomy, developmental abnl
Book 1, chapter 13 “Pancreas”
Fatty infiltration, adenocarcinoma, islet cell tumors, lymphoma, metastasis
IPMNs & cystic lesions
Review book 1, chapter 11 “Liver”
Book 2, chapter 12 “Liver”
‘Principles of contrast enhancement’
‘Imaging techniques’
Book 2, chapter 12 “Liver” → ‘Benign hepatic tumors’, ‘Malignant hepatic tumors’

WEEK 3

Book 1, chapter 4 “mediastinum LN and masses”
Book 1, chapter 5 “the hila”
Book 1, chapter 6 “lung disease”

WEEK 4

Book 1, chapter 7 “Pleura, chest wall, diaphragm”
CTA book- Chapter 18, CTA technique
CTA book –Chapter 18, Abdominal aorta anatomy, Anuerysms
CTA book- Chapter 17, “Acute aortic syndromes”

ROTATION #3, YEAR TWO

PREPARATION

CTA book – chapter 1 (excluding cardiac and perfusion)

WEEK 1

CTA book –Chapter 18, Stenosis/occlusion, Dissection, trauma, ulceration
Book 2, chapter 17 “Retroperitoneum”
‘IVC and tributaries’, ‘LNs’, ‘Hemorrhage’, ‘Fibrosis’
Book 2, chapter 14 “Spleen”

WEEK 2

Book 2, chapter 15 “Pancreas”
Pathologic conditions
Learn Couinaud’s segmental anatomy of the liver:
(<http://www.radiologyassistant.nl/en/p4375bb8dc241d>)
Book 2, chapter 12 “Liver”→‘Anatomy’
Book 2, chapter 12 “Liver”
‘Abscess’, ‘diffuse disease’, ‘vascular disorders’, ‘transplant’

WEEK 3

Book 2, chapter 19 “Adrenals”
Book 2, chapter 15 “Biliary Tract”

WEEK 4

Book 2, chapter 21 “Computed Tomography of Thoracoabdominal Trauma”

ROTATION #4, YEAR THREE

WEEK 1

CTA book- Chapter 17, vasculitis

Book 2, Chapter 7- Lung

CTA book – Chapter 19, Mesenteric vasculature

WEEK 2

Book 4, Extraperitoneal spaces; normal and pathologic anatomy

Book 4, Intraperitoneal spread of malignancies

Book 2, Chapter 9- Heart & pericardium

WEEK 3

Book 2, Chapter 11- Gastrointestinal tract

Book 2, Chapter 15- Pancreas

WEEK 4

Book 2, Chapter 20- Pelvis

Book 2, Chapters 6 & 8 – Mediastinum & Pleura, Chest Wall and Diaphragm