

# RM053 - Advanced diagnostic radiography (Current Academic Year)

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44 items

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## Mammography (1 items)

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**Digital Mammography**, edited by Peter Hogg; Judith Kelly; Claire Mercer, 2015[Book](#) | **Essential** | Please read as a minimum pages 3-25 and pages 49-58. You may choose to read further.

## Ultrasound (7 items)

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**Ultrasound physics and technology: how, why and when**, by Vivien Gibbs; David Cole; Antonio Sassano, 2009[Book](#) | **Essential****Practical ultrasound: an illustrated guide**, by Jane Alty; Edward Hoey; Taylor and Francis, 2013[Book](#) | **Essential****Radiology Fundamentals: Introduction to Imaging & Technology**, 2020[Book](#) | **Essential** | Please read Chapter 5 Ultrasound**Fetal medicine: basic science and clinical practice**, edited by Pranav P. Pandya; Ronald Wapner; Dick Oepkes; N. J. Sebire, 2020[Book](#) | **Essential** | Please Read Section 6**Clinical Ultrasound: A Pocket Manual**, by Angela Creditt, 2018[Book](#) | **Essential** | Please select some choice from this text**Clinical Ultrasound: A Pocket Manual**, by Angela Creditt, 2018[Book](#) | **Essential** | Please read pages 197-252**The Ultimate Guide to Point-of-Care Ultrasound-Guided Procedures**, 2020[Book](#) | **Essential** | Please select some reading of choice from this text.

## Interventional Radiology (5 items)

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**Medical imaging: techniques, reflection & evaluation**, by Elizabeth Carver; Barry Carver, 2012[Book](#) | **Essential** | Please read pages 355-362 Imaging of the gall bladder and biliary tree. Please focus on the specialist procedures

**Medical imaging: techniques, reflection & evaluation**, by Elizabeth Carver; Barry Carver, 2012

[Book](#) | **Essential** | Please read Section 7 Hysterosalpinogram (HSG) only.

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**Interventional radiology**, by Raman Uberoi, 2009

[Book](#) | **Essential** | Please read Chapter 16

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**Vascular Interventional Radiology: Current Evidence in Endovascular Surgery**, 2012

[Book](#) | **Recommended**

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**Radcases Interventional Radiology**, by Hector Ferral; Jonathan M. Lorenz, 2018

[Book](#) | **Recommended**

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## **Advancing Practice in Health** (1 items)

Please use this resource in preparation and to consolidate your learning on Advancing Practice in Health.

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**Advanced Practice in Healthcare**, by Carol Cox, 2013-6-17

[Book](#) | **Essential**

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## **Magnetic Resonance Imaging (MRI)** (2 items)

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**MRI at a glance**, by Catherine Westbrook, 2016

[Book](#) | **Essential** | MRI at a glance encompasses all the key points needed at this stage. Please take time to read in its entirety. To build upon this acquired knowledge consider some further texts within the MRI section of the reading list.

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**MRI in practice (electronic resource)**, by Catherine Westbrook; John Talbot, 2019

[Book](#) | **Recommended** | MRI in practice builds upon some of the foundation content in MRI at a glance. Take time to read key areas including Magnetism.

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## **Directed Reading MRI Safety** (2 items)

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**MRI in practice**, by Catherine Westbrook; John Talbot, 2019

[Book](#) | **Essential** | Please Read Section 10

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**MHRA MRI Safety Guidance**

[Webpage](#) | **Essential**

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## **Brain Bleeds** (1 items)

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**Sectional anatomy for imaging professionals**, by Lorrie L. Kelley; Connie M. Petersen, 2018

[Book](#) | **Essential** | Please Read Chapter 3, The Brain

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## **Computed Tomography (CT)** (4 items)

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**CT at a glance**, by Euclid Seeram, 2018

[Book](#) | **Essential** | CT at a glance encompasses all the key points needed at this stage. Please take time to review sections to further your learning. To build on the video presentations I suggest reading Chpters 17,18, 19 and 20. You may wish to use this resource in its entirety to support your learning.

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**Computed tomography: physical principles, clinical applications, and quality control**, by Euclid Seeram, 2015

[Book](#) | **Recommended**

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**Sectional anatomy for imaging professionals**, by Lorrie L. Kelley; Connie M. Petersen, 2018

[Book](#) | **Essential**

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**Fundamentals of body CT.**, by W. Richard Webb; William E. Brant; Nancy M. Major, 2019

[Book](#) | **Recommended**

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## Directed Reading CT Chest Imaging (1 items)

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**Sectional anatomy for imaging professionals**, by Lorrie L. Kelley; Connie M. Petersen, 2018

[Book](#) | **Essential** | Please Read Chapter 6, you may also find it useful to read Chapter 1 Introduction to Cross Sectional Anatomy before you begin

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## Directed Reading Cross Sectional Imaging of the Spine (1 items)

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**Sectional anatomy for imaging professionals**, by Lorrie L. Kelley; Connie M. Petersen, 2018

[Book](#) | **Essential** | Please read Section 4

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## Quality in Healthcare (4 items)

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**Mclaughlin and Kaluzny's continuous quality improvement in health care**, by Julie K. Johnson; William A. Sollecito, 2020, ©2020

[Book](#) | **Background** | Please read Chapters 6 and 7

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**NHS Scotland 2020 Framework for Quality, Efficiency and Value**

[Website](#) | **Essential** | Please Read Sections 1 and 4

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**Voices Programme**

[Website](#) | **Essential** | Please have a look at this website, and we will follow up on the theme of service user led change in our session

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**Fundamentals of person-centred care: principles & practice for healthcare students**, edited by Brendan McCormack, 2020

[Book](#) | **Recommended** | This is a great resource, try to select some key area to explore in relation to service user led change and quality improvement strategy. Section 3 recommended.

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## Supervisory Skills (1 items)

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**HCPC Effective Clinical and Peer Supervision**[Website](#) | Recommended**Administration of contrast media in specialist imaging (4 items)**

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**RCR Guidance**[Webpage](#) | Essential

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**RANZCR Iodinated Contrast Guidelines | RANZCR**[Webpage](#) | Essential

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**Computed tomography: physical principles, clinical applications, and quality control**, by Euclid Seeram, 2016

[Book](#) | **Essential** | Please Read Chapter 15 pages 379-381 and Chapter 16 pages 397-400

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**Nephrogenic Systemic Fibrosis: A Review of History, Pathophysiology, and Current Guidelines** - in Current Radiology Reports, by Julian M. Hazelton; Michael K. Chiu; Hani H. Abujudeh, 2019-2

[Article](#) | Recommended

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**Forensic Radiography (3 items)**

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**Brogdon's forensic radiology**, by B. G. Brogdon; B. G. Brogdon; Michael J. Thali; Mark D. Viner, 2010

[Book](#) | **Essential**

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**The virtopsy approach: 3D optical and radiological scanning and reconstruction in forensic medicine**, by Michael J. Thali; Richard Dirnhofer; Peter Vock, 2008

[Book](#) | **Recommended**

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**Child Abuse and Neglect**, 2019

[Book](#) | **Recommended**

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**Nuclear Medicine (4 items)**

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**Nuclear medicine and PET/CT: technology and techniques**, edited by Kristen M. Waterstram-Rich; David Gilmore, 2017

[Book](#) | **Recommended**

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**Nuclear medicine and PET/CT: technology and techniques**, by Paul E. Christian; Kristen M. Waterstram-Rich, c2012

[Book](#) | **Recommended**

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**Positron Emission Tomography with Computed Tomography (PET/CT)**, by Jonas Francisco Y. Santiago, 2015

[Book](#) | **Recommended**

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**PET/CT in Cancer: An Interdisciplinary Approach to Individualized Imaging**, by Mohsen Beheshti; Werner Langsteger; Alireza Rezaee, 2017

[Book](#) | Recommended

## Advanced Imaging Processes (3 items)

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### Directed Reading -Imaging Informatics (1 items)

Please read Chapters 1 and 14 prior to class. This book provides good all round knowledge of imaging informatics you may choose to read further chapters of interest.

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**Clark's Essential PACS, RIS and Imaging Informatics**, by Alexander Peck, 2017-11-23

[Book](#) | Essential | ebook

**Clark's essential PACS, RIS and imaging informatics**, by Alexander Peck, 2018

[Book](#) | Essential

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**Digital radiography and PACS**, by Christi Carter; Beth Veale, 2018

[Book](#) | Essential