

PM SWING XRAY RECOMMENDED READING

Please read the following articles during your week on fluoroscopy/x-ray during your 8-12 week rotation as an R2. If you are an R3 or seek more directed reading, see additional readings for resources on technique and/or pathology.

- A. Chest xray
 - a. General: Menashe SJ et al. [Pediatric Chest Radiographs: Common and Less Common Errors](#). AJR 2016.
- B. Abdominal xray
 - a. NEC: [Necrotizing Enterocolitis: Review of State-of-the-Art Imaging Findings with Pathologic Correlation | RadioGraphics \(rsna.org\)](#)
- C. Lines
 - a. In neonate: Schlesinger, AE. Neonates and Umbilical Venous Catheters: Normal Appearance, Anomalous Positions, Complications, and Potential Aid to Diagnosis. American Journal of Roentgenology 2003 180:4, 1147-1153. <https://www.ajronline.org/doi/full/10.2214/ajr.180.4.1801147>
- D. ?MSK
 - a. Scoliosis
 - b. Feet

Additional reading and/or watching:

- 1. Thoracic – Neonatal
 - 1. Liszewski MC and Lee EY. “[Neonatal Lung Disorders: Pattern Recognition Approach to Diagnosis](#)”. AJR 2018.
 - 2. UVA – Respiratory Neonatal Distress: https://www.med-ed.virginia.edu/courses/rad/peds/chest_webpages/ch5RD.html
 - 3. Neonatal Radiography, University of Miami/Jackson Memorial Hospital
 - i. Part 1 (11 minutes): <https://www.youtube.com/watch?v=yEK34mTThNE>
 - ii. Part 2 (18 minutes): <https://www.youtube.com/watch?v=r3d9VM44WKS>
 - iii. Part 3 (15 minutes): <https://www.youtube.com/watch?v=jeM76wQRto4>
 - iv. Part 4 (14 minutes): <https://www.youtube.com/watch?v=qQfUPgvsc0c>
 - v. Part 5 (27 minutes): <https://www.youtube.com/watch?v=C247tBWjksA>
 - 4. Eklund M – Neonatal Chest: Dots and Bubbles: <https://www.pedrad.org/LinkClick.aspx?fileticket=IxV8rvhEmal%3D&portalid=5>
 - 5. AUR core lectures - Neonatal chest and intravascular catheters: [Pediatric Imaging Courses – Radiology Resident Core Lecture Series](#)
- 2. Thoracic – Infection
 - 1. Bramson RT et al. Radiology 2005 236:1, 22-29. <https://pubs.rsna.org/doi/full/10.1148/radiol.2361041278>
 - 2. UVA – Pulmonary Inflammatory Disease: https://www.med-ed.virginia.edu/courses/rad/peds/chest_webpages/ch9pulinflam.html
 - 3. Pneumonia Cases from Pediatric Imaging (digital library):
 - i. [Pneumonia Necrotizing](#)
 - ii. [Pneumonia Respiratory Syncytial Virus](#)
 - iii. [Pneumonia Round](#)
 - iv. [Pneumonia Staphylococcus](#)
 - v. [Pneumonia Tuberculosis](#)
 - vi. [Pneumonia Viral](#)
 - vii. [Pleural Empyema](#)
 - 4. ACR Appropriateness Criteria – Pneumonia in the Immunocompetent Child: <https://acsearch.acr.org/docs/3102387/Narrative/>
 - 5. AUR core lecture - Pediatric pulmonary infection: [Pediatric Imaging Courses – Radiology Resident Core Lecture Series](#)
- 3. Thoracic – airway
 - 1. Tsai J et al. Focal Large Airway Anomalies and Abnormalities in Pediatric Patients. AJR 201:2, W163-W173. [Focal Large Airway Anomalies and Abnormalities in Pediatric Patients : American Journal of Roentgenology : Vol. 201, No. 2 \(AJR\) \(ajronline.org\)](#)

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4. Abdominal General
 1. Powerpoint [Interpretation of the Pediatric Abdominal Radiograph \(pedrad.org\)](https://www.pedrad.org/)
 2. Menashe SJ et al Pediatric Abdominal Radiographs: Common and Less Common Errors. AJR American Journal of Roentgenology. 2017;209: 417-429. <https://www.ajronline.org/doi/full/10.2214/AJR.17.17889?src=recsys>
5. Lines
 1. ECMO:
 - i. Barnacle AM. The Role of Imaging During Extracorporeal Membrane Oxygenation in Pediatric Respiratory Failure. American Journal of Roentgenology 2006 186:1, 58-66. [The Role of Imaging During Extracorporeal Membrane Oxygenation in Pediatric Respiratory Failure : American Journal of Roentgenology : Vol. 186, No. 1 \(AJR\) \(ajronline.org\)](https://ajronline.org/doi/abs/10.2214/AJR.05.0311)
 - ii. Thompson, A.F et al. Pediatric extracorporeal membrane oxygenation (ECMO): a guide for radiologists. Pediatr Radiol 48, 1488–1502 (2018). [Pediatric extracorporeal membrane oxygenation \(ECMO\): a guide for radiologists | SpringerLink](https://doi.org/10.1007/s00381-018-1388-8)