Reading a Neonatal Chest X-ray

Jennifer McDaniel, BS, RRT-NPS
Steps of Chest X-ray Review

1. Confirm correct patient and date/time
2. View X-ray in correct orientation
3. Review technical aspects of X-ray
4. Inspect anatomic structures
Technical Aspects of X-ray

- Exposure or penetration
- Appropriate positioning
- Inspiratory vs expiratory film
Anatomic Structures

- Diaphragm
- Abdomen
- Cardiac silhouette
- Hilum
- Trachea
- ETT position
- Mainstem bronchi
- Lung fields & ribs
- Pleural surface
Internet Tutorial

Google Search:
Radiologia Brasileira newborn chest X-ray
Pathologic Manifestations

- RDS
- Atelectasis
- TTN
- Pneumonia
- MAS
- Diaphragmatic hernia
- Congenital lobar emphysema
- Pneumothorax
- Pneumopericardium
- Pulmonary interstitial emphysema
- Bronchopulmonary dysplasia
RDS

air bronchograms

UAC

NG
RUL Atelectasis
MAS
Diaphragmatic Hernia
Pulmonary Interstitial Emphysema
BPD
Conclusions

To become proficient at reading chest X-rays, you must practice, practice, practice.

The more you look at X-rays, the more you will be able to see.

Lean on more experienced people to help you develop this skill.