The Do’s and Don’ts of Radiology in the Neonatal Intensive Care Unit

Presenter:

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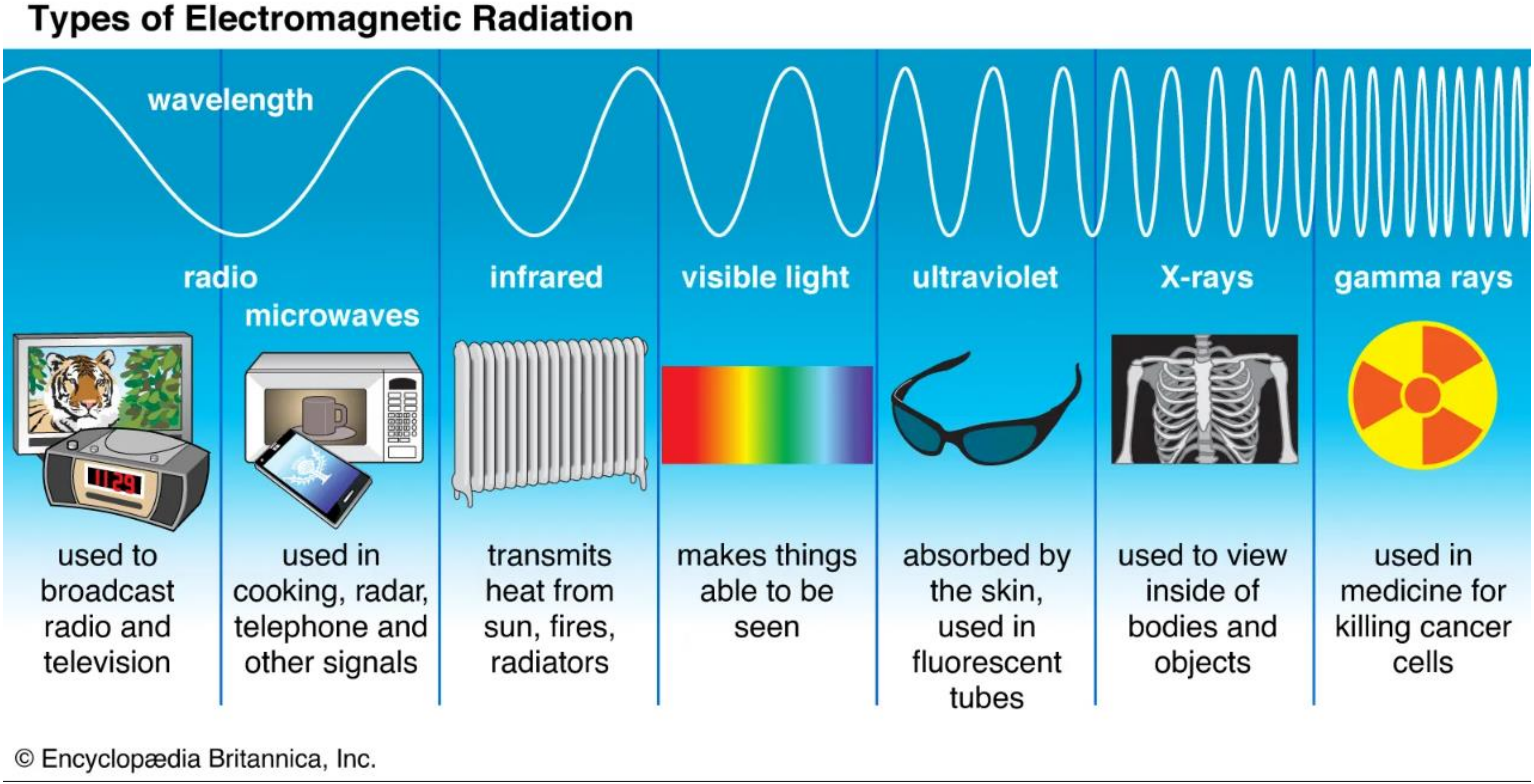
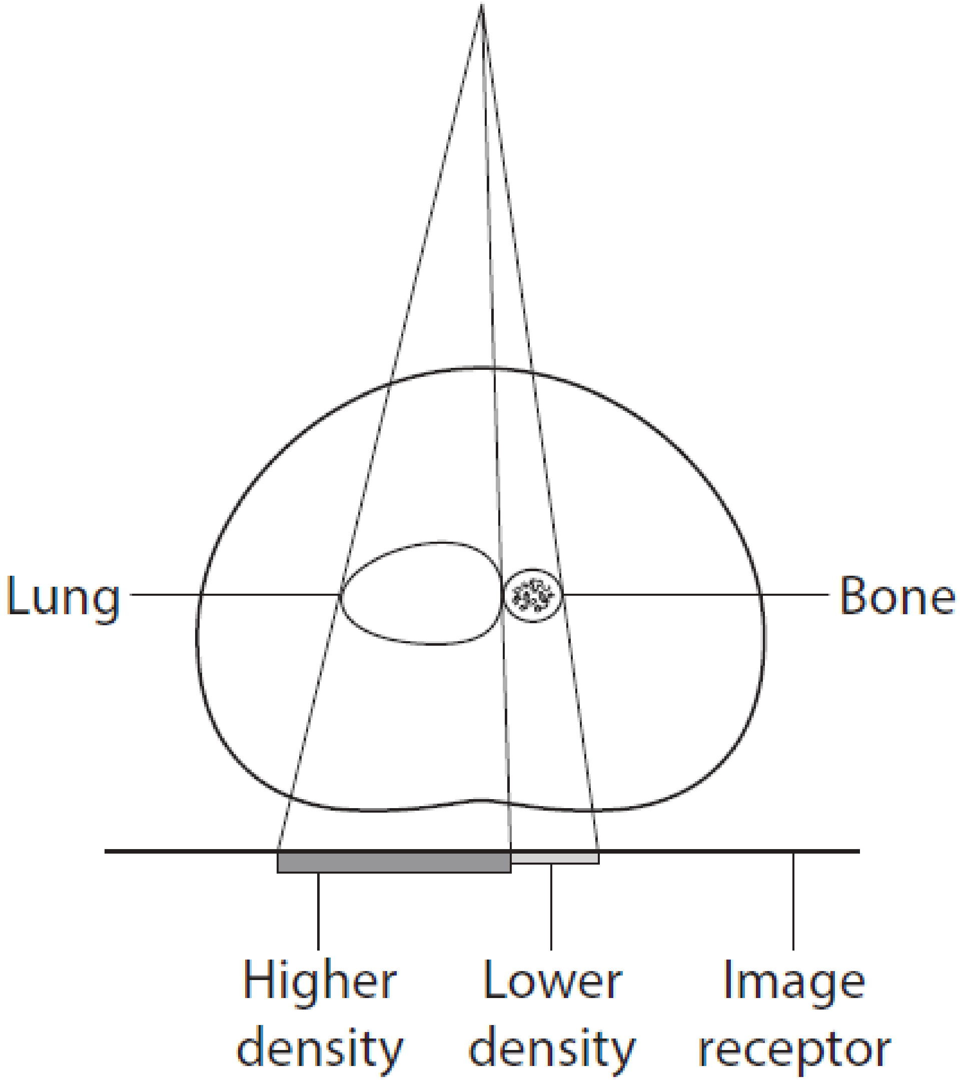
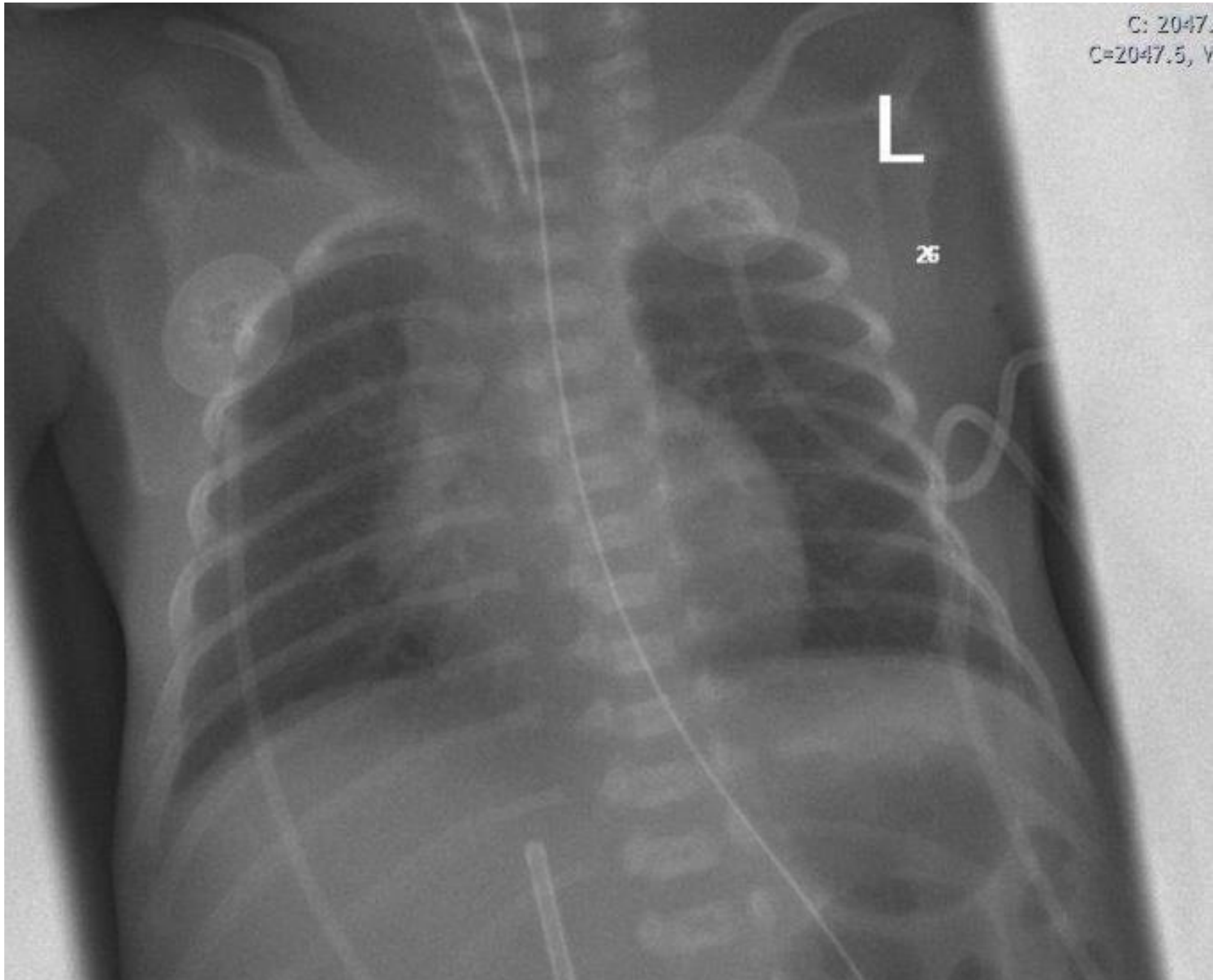
What Are X-rays? The Basics



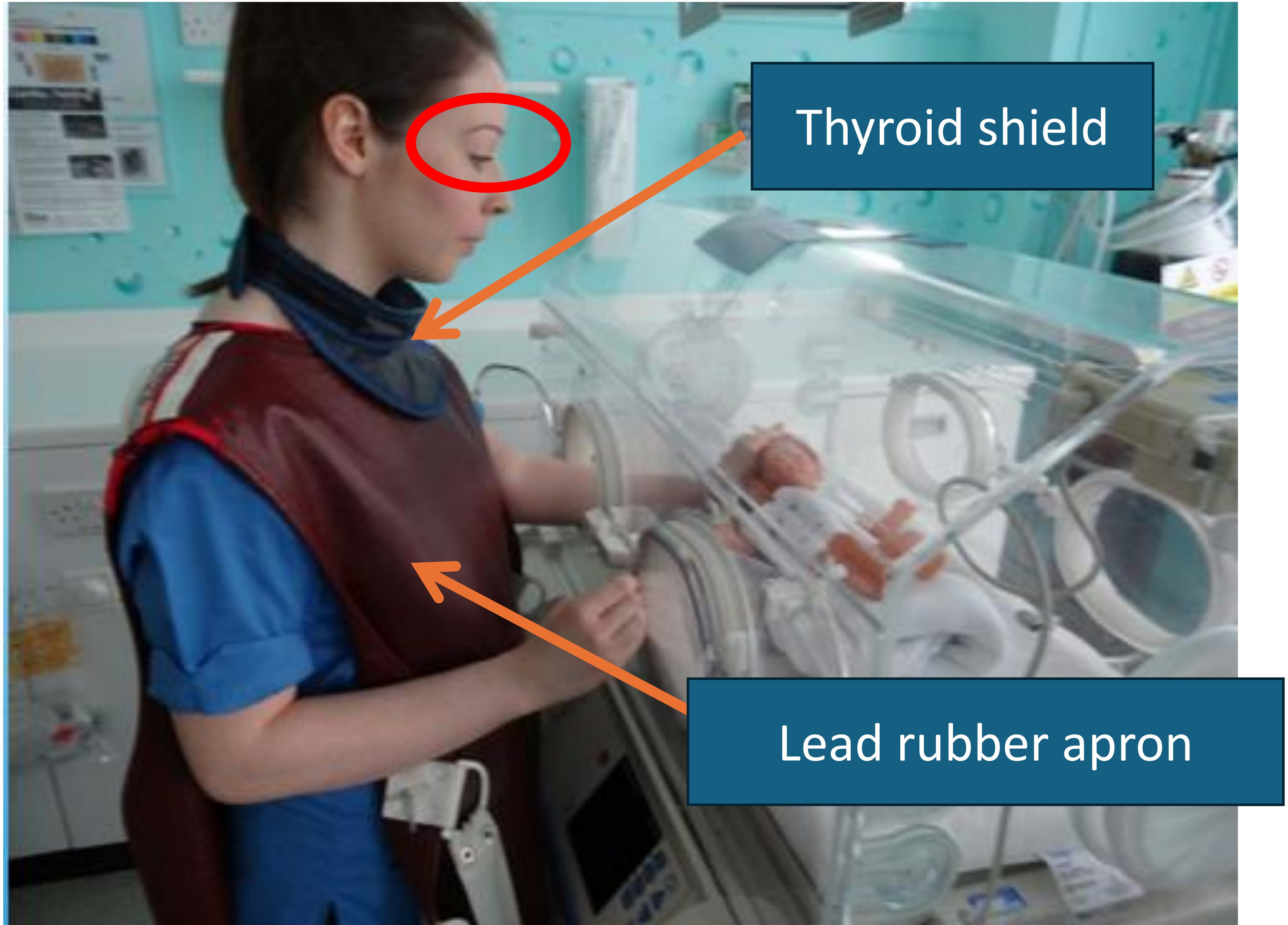
How X-rays Create Images – and Why Absorption Matters





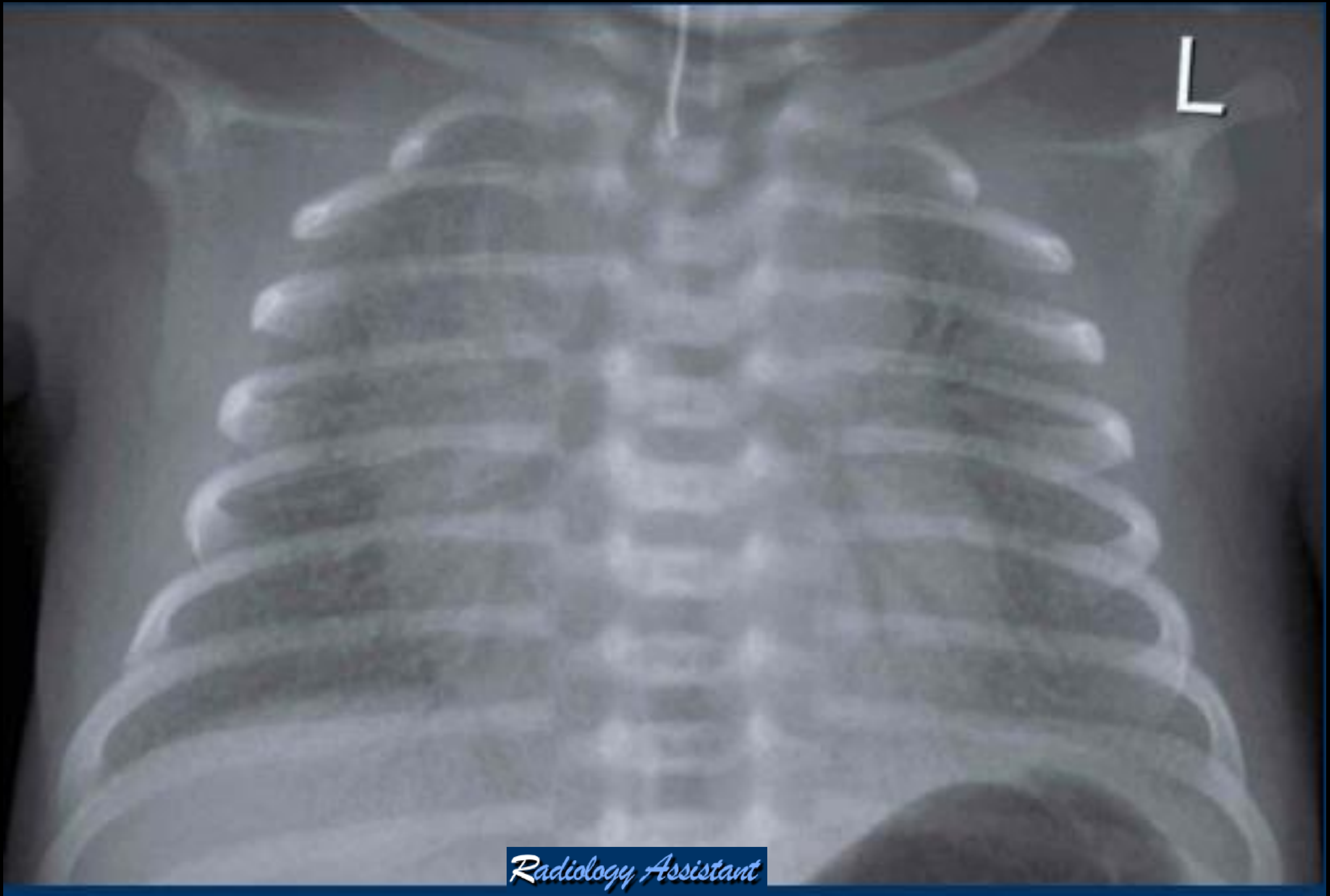
Case courtesy of Ian Bickle, Radiopaedia.org, rID: 46525

The *As Low As Reasonably Achievable* (ALARA) Principle


Thyroid shield
Lead rubber apron

Justification and repeat

Common radiographic examinations and the role of the NICU practitioner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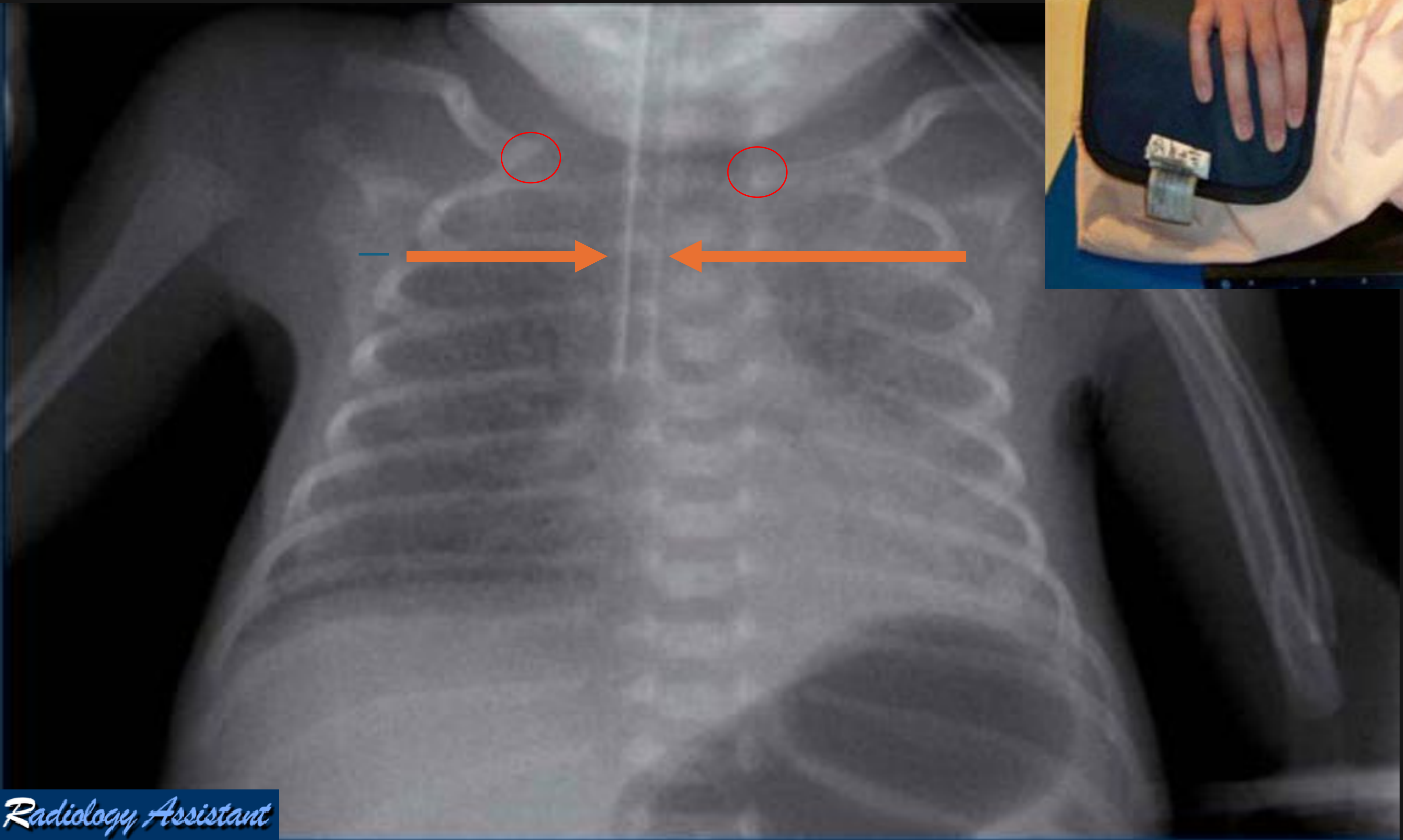
Radiology Assistant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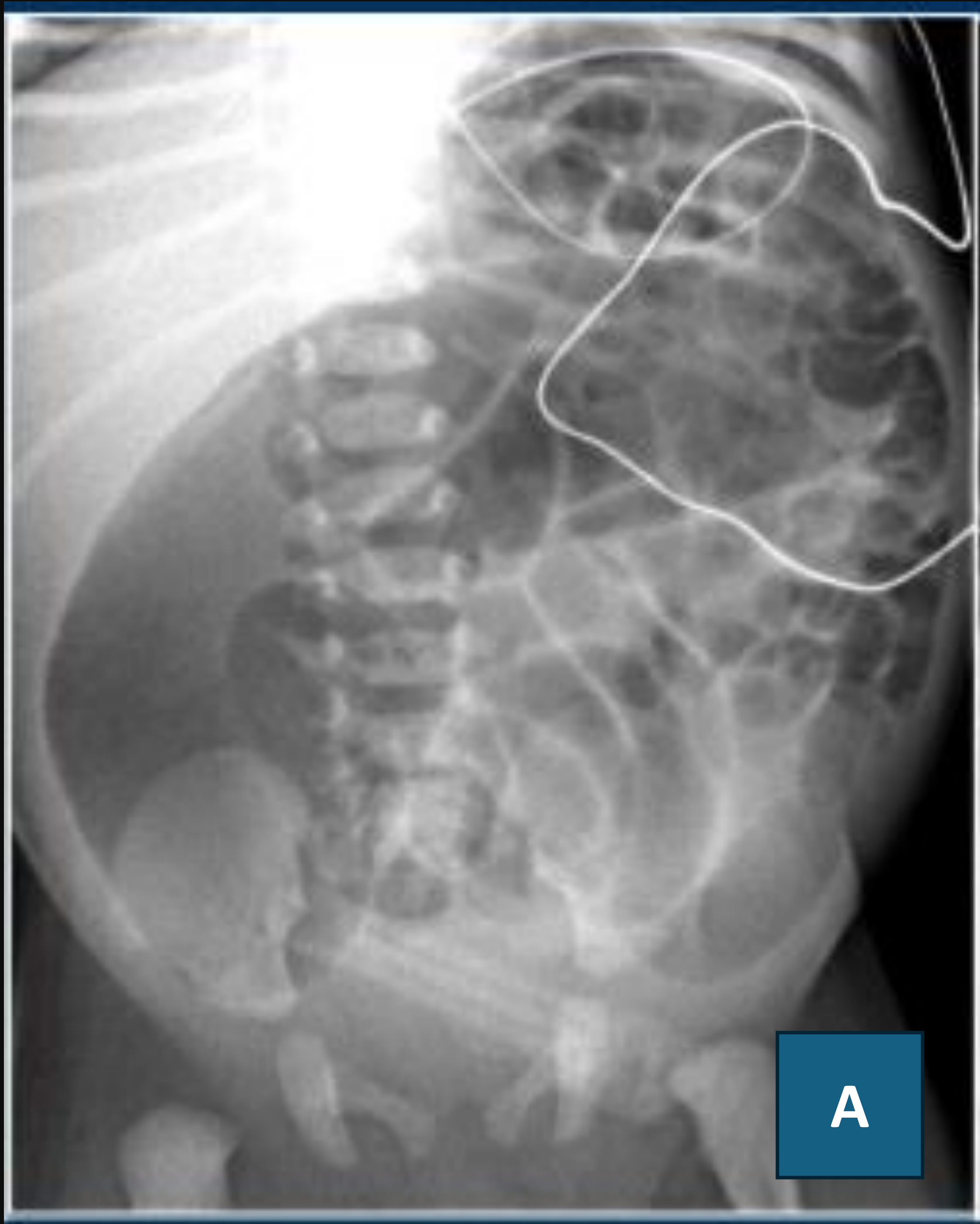
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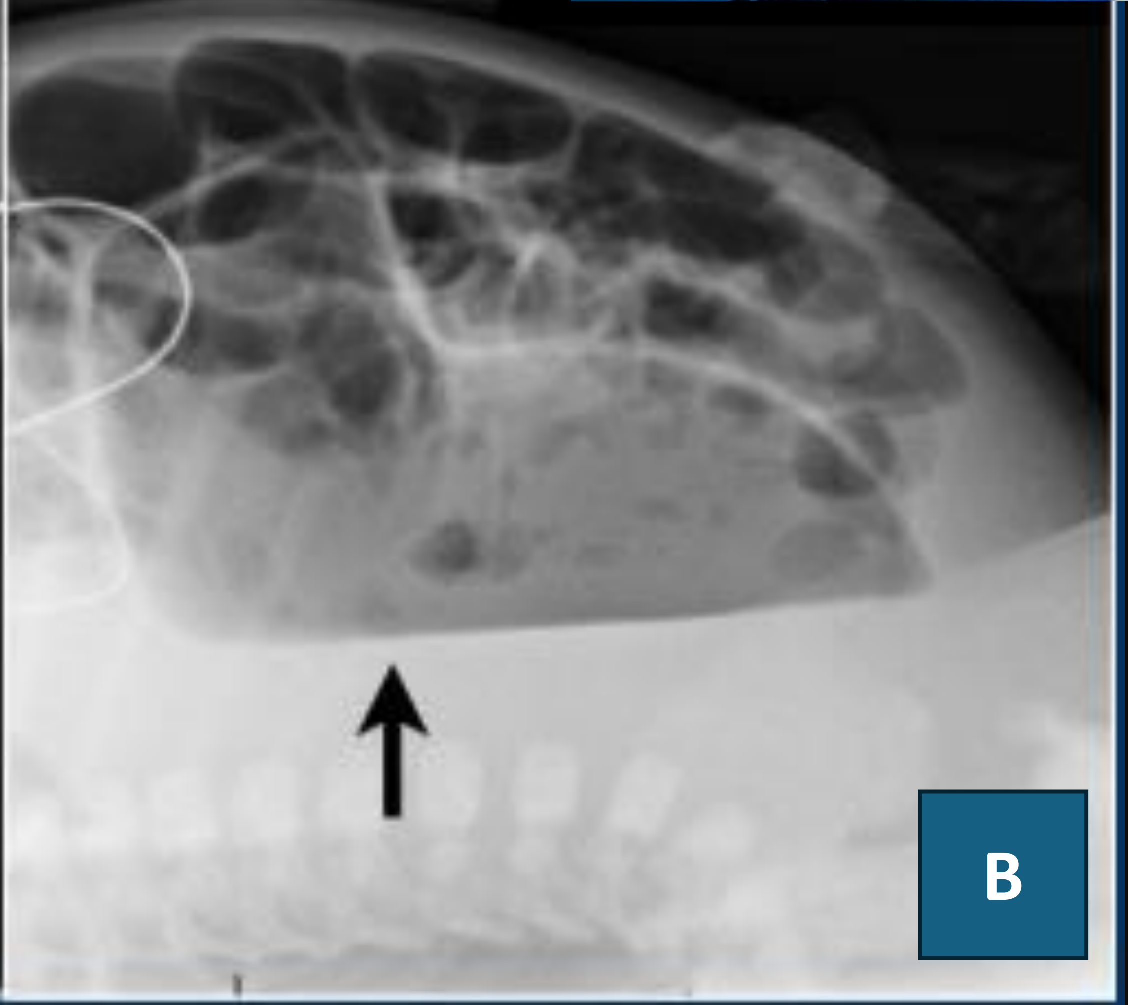
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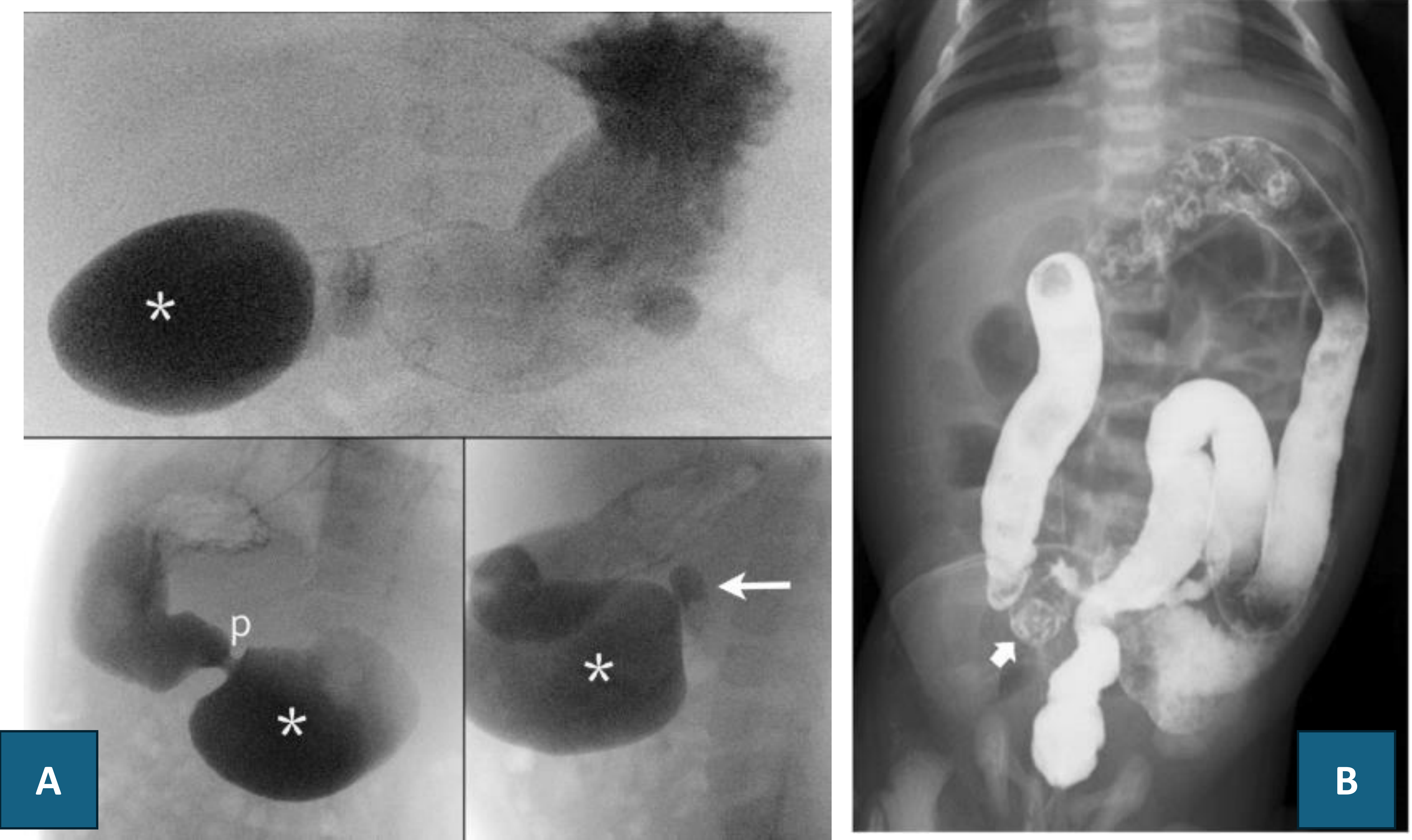
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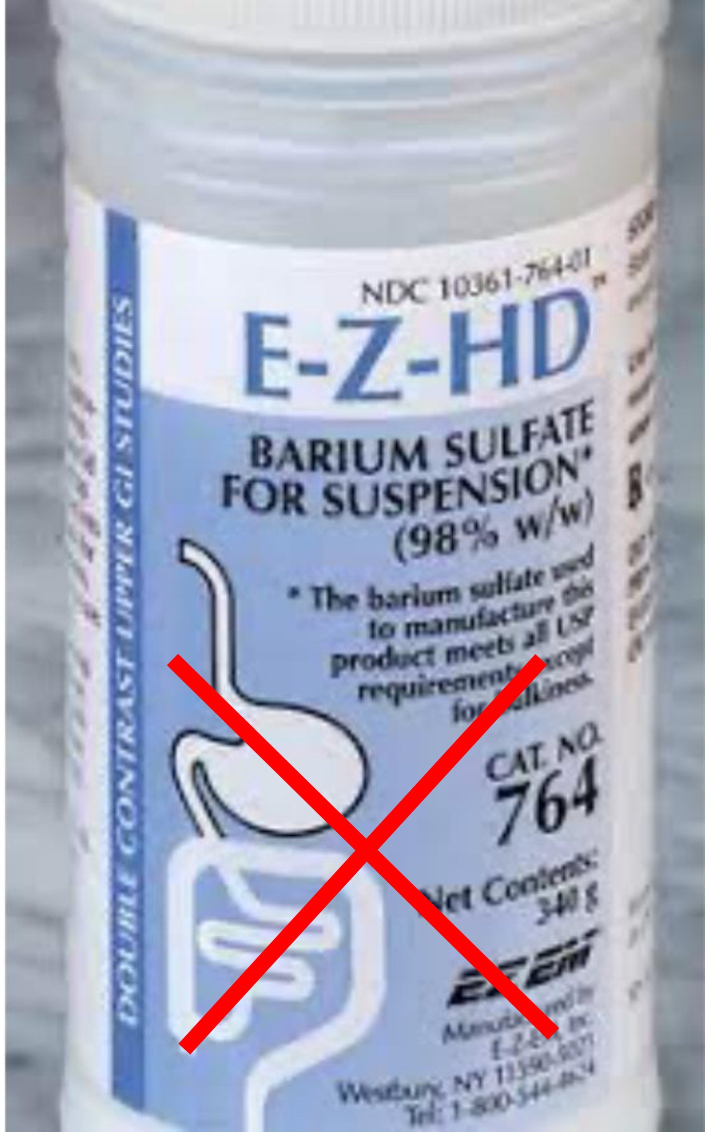
Contrast media



Looks like a vanilla milkshake

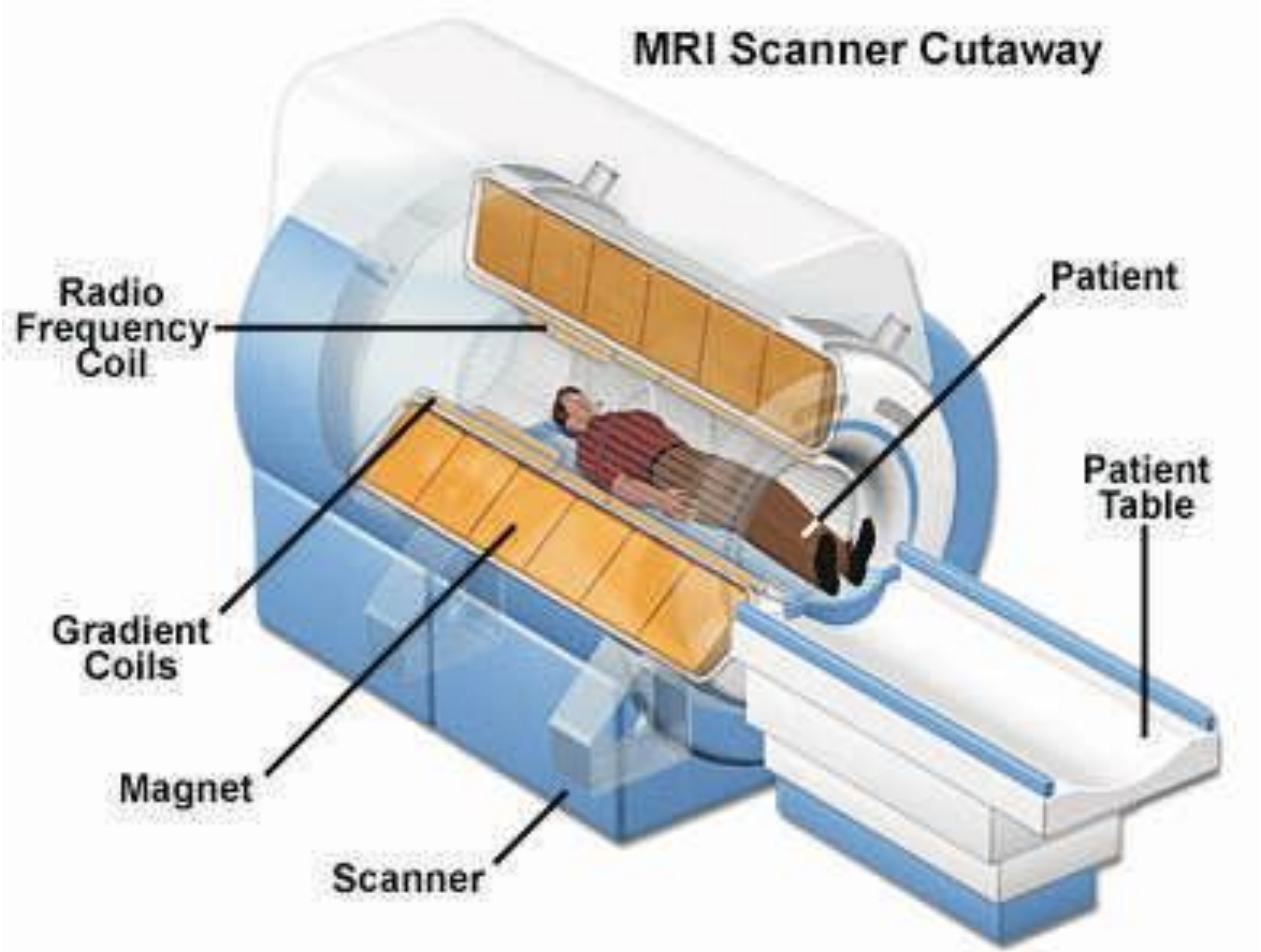
Smells like aniseed/ liquorice

Intravenous contrast media is considered the safest option for gastrointestinal radiographic examinations.


LM

Advanced Imaging — Computed tomography (CT)

Magnetic Resonance Imaging (MRI)



Main takeaways

- Understand the Basics
- ALARA Always
- Justify Every Exam
- Collaboration Matters
- Contrast with Care
- Advanced Imaging
- Protect yourself:

"Neonates may be small, but the impact of our imaging decisions is huge. With careful technique, strict adherence to ALARA, and collaboration with NICU staff, we can provide the imaging needed for care, without unnecessary harm."

References

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