



**WHAT NEW TECHNOLOGIES ARE LIKELY TO BE DISRUPTIVE OVER THE NEXT 5 TO 10 YEARS, AND HOW WILL THE INDUSTRY RESPOND?**

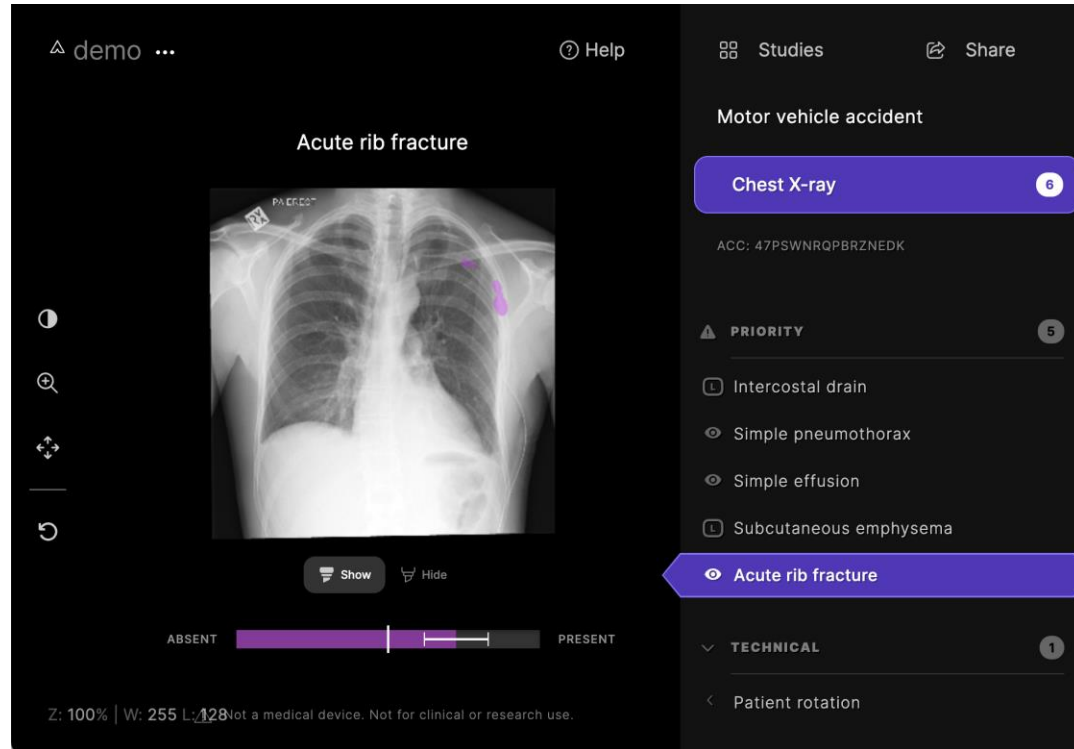
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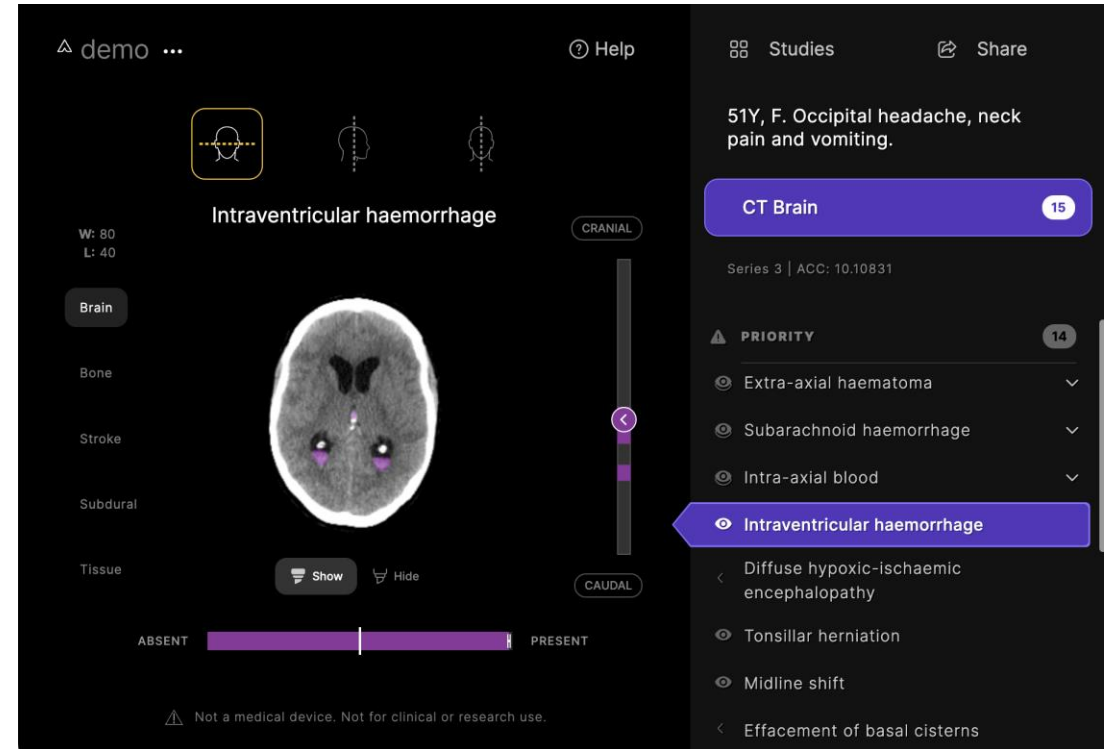
## In 5-10 years ...

1. In specific clinical settings involving major high-volume modalities, there will be complete automation of reporting by AI.
2. As a result, radiologists will only issue reports upon special request rather than by default, focusing instead on exceptions.
3. Most of the radiologists' time will be dedicated to information integration, system validation and high complexity modalities.
4. Radiology jobs will increase and will evolve into a more rewarding profession with a renewed focus on scientific research and discovery.

# Today...



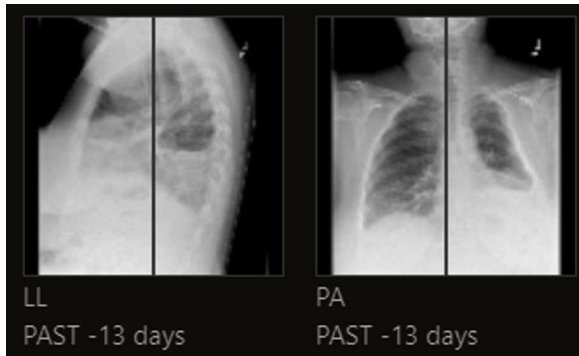
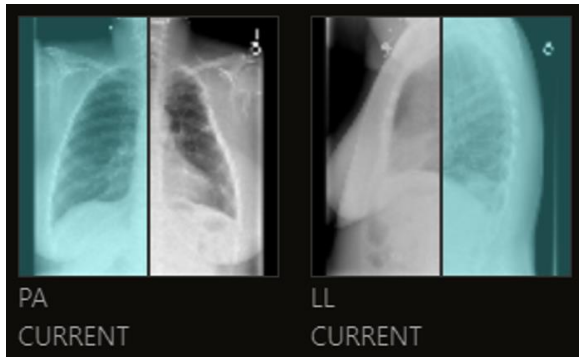
**Comprehensive CXR AI - detect and localise**  
**124**  
**findings and characteristics**



**Comprehensive CTB AI - detect and localise**  
**130**  
**findings and characteristics**

# Near future...

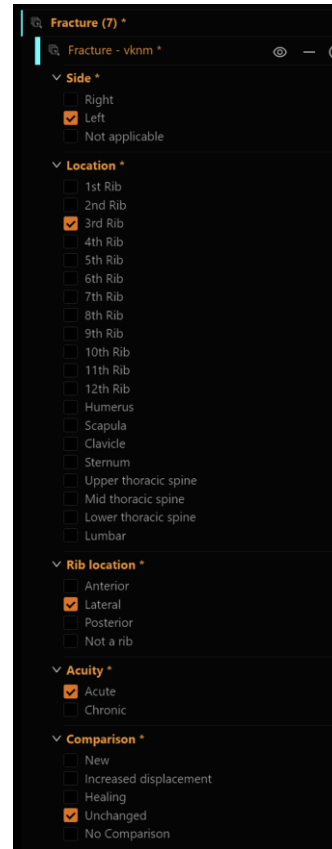
## 1. IMAGES AND HISTORY



**INDICATION:** 30-year-old woman with multiple rib fractures. Please evaluate for fractures.



## 2. STRUCTURED OUTPUT



## 3. COMPREHENSIVE REPORT

**EXAMINATION:** PA and lateral erect chest radiographs.

**INDICATION:** 30-year-old woman with multiple rib fractures. Please evaluate for fractures.

**COMPARISON:** Comparison made to prior CXR performed 10/10/2010.

**FINDINGS:**

**Supporting devices:** No devices noted.

**Heart:** Cardiac silhouette is normal in size.

**Mediastinum:** Mediastinal contours are normal.

**Lungs:** **New left mid zone atelectasis.** Pulmonary vessels are normal in size. Normal lung volumes present.

**Pleura:** No pneumothorax is present. **Improving small left pleural effusion.**

**Bones:** **Acute left lateral 3<sup>rd</sup>, 5<sup>th</sup> to 7<sup>th</sup> and posterior 4<sup>th</sup> rib fractures. Unchanged chronic displaced right lateral 3<sup>rd</sup> rib fracture. Unchanged acute displaced left scapular fracture.**

**Abdomen:** **Gallstones noted.**

**Soft Tissues:** Unremarkable soft tissues.

**IMPRESSION:** [ ... ]