

CXR Assist

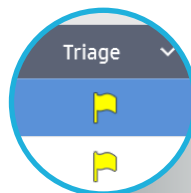
Fast and Accurate Analysis with AI-powered Insight

Samsung's new on device AI solution, **CXR Assist with Lunit INSIGHT CXR Triage** is a radiographic computer-assisted triage and notification software that analyzes adult chest X-ray images for the presence of pre-specified suspected critical findings.



Target
Indication

- ✓ Pleural Effusion
- ✓ Pneumothorax

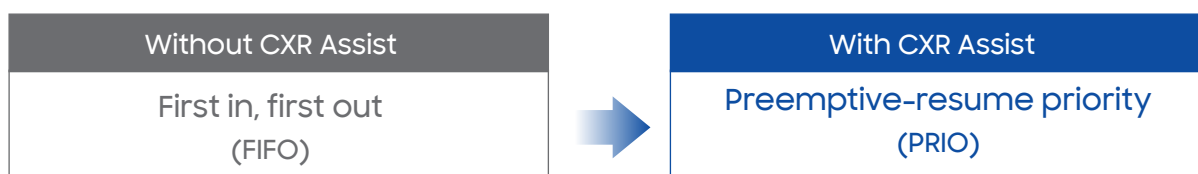


FDA 510(k) Cleared
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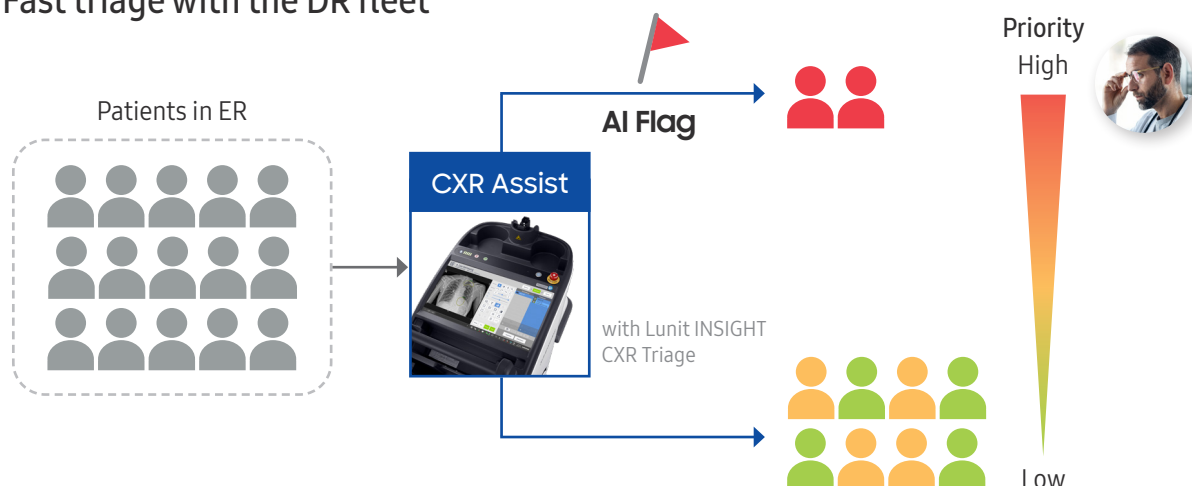


Timely Patient Care

CXR Assist with Lunit INSIGHT CXR Triage analyzes a chest image within seconds of acquisition and prioritizes patients with target indication directly on Samsung DR systems without going through a hospital server. This solution helps draw the attention of on site staff by flagging critical cases, improving speed and efficiency in the emergency room.



Fast triage with the DR fleet



AI Results		ID	Age	Time
Pef	Ptx			
●		18291CCEE	18	10:50 AM
	●	23075CCEE	63	12:15 PM
		29110CCEE	26	10:12 AM
		31291CCEE	33	10:21 AM
		11007CCEE	43	10:36 AM



Worklist Prioritization integrating with S-Station/PACS

This PACS worklist is intended to help healthcare professionals understand the functions of this product. Please note that this worklist may differ from the actual product.

Diagnostic Confidence

CXR Assist with Lunit INSIGHT CXR Triage showed excellent performance by training with 160K+ chest radiographs with CT images as ground truth. Experience the AI triage solution with proven high accuracy.

	Pleural Effusion	Pneumothorax
ROC AUC [95% CI]	0.9864 [0.9815, 0.9913]	0.9973 [0.9955, 0.9922]
Sensitivity	94.3 %	96.1%
Specificity	95.7 %	99.1 %

Efficient Management

CXR Assist is a smart solution that is easy to install and maintain. Its seamless integration with Samsung DR systems requires no additional hardware and/or software installation to use the AI solution. In addition, there are no additional costs for daily practice of the solution, regardless of practice volume.



Simple
Installation



Cost-efficient
Maintenance

CXR Assist is available on



GC85A, ACC GM85 and GM85 Fit



* CXR Assist is a solution including Auto Lung Nodule Detection, VUNO Med Chest X ray and Lunit INSIGHT CXR / INSIGHT CXR Triage features.
ALND and Lunit INSIGHT CXR Triage is commercially available in the US. VUNO Med Chest X ray and Lunit INSIGHT CXR are not for sale in the US.

CXR Assist Leaflet v1.0-240708-FDA

For more information, visit www.samsunghealthcare.com

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