

Lung Ultrasound Protocol for

COVID-19 Diagnosis



Transducers for Lung Scanning

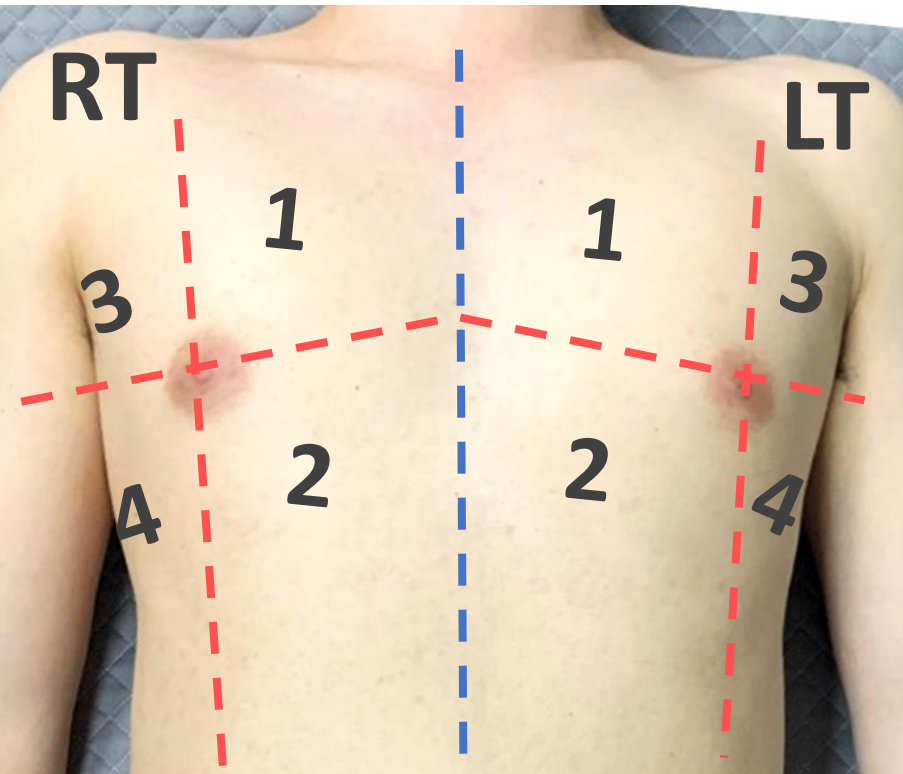
Convex



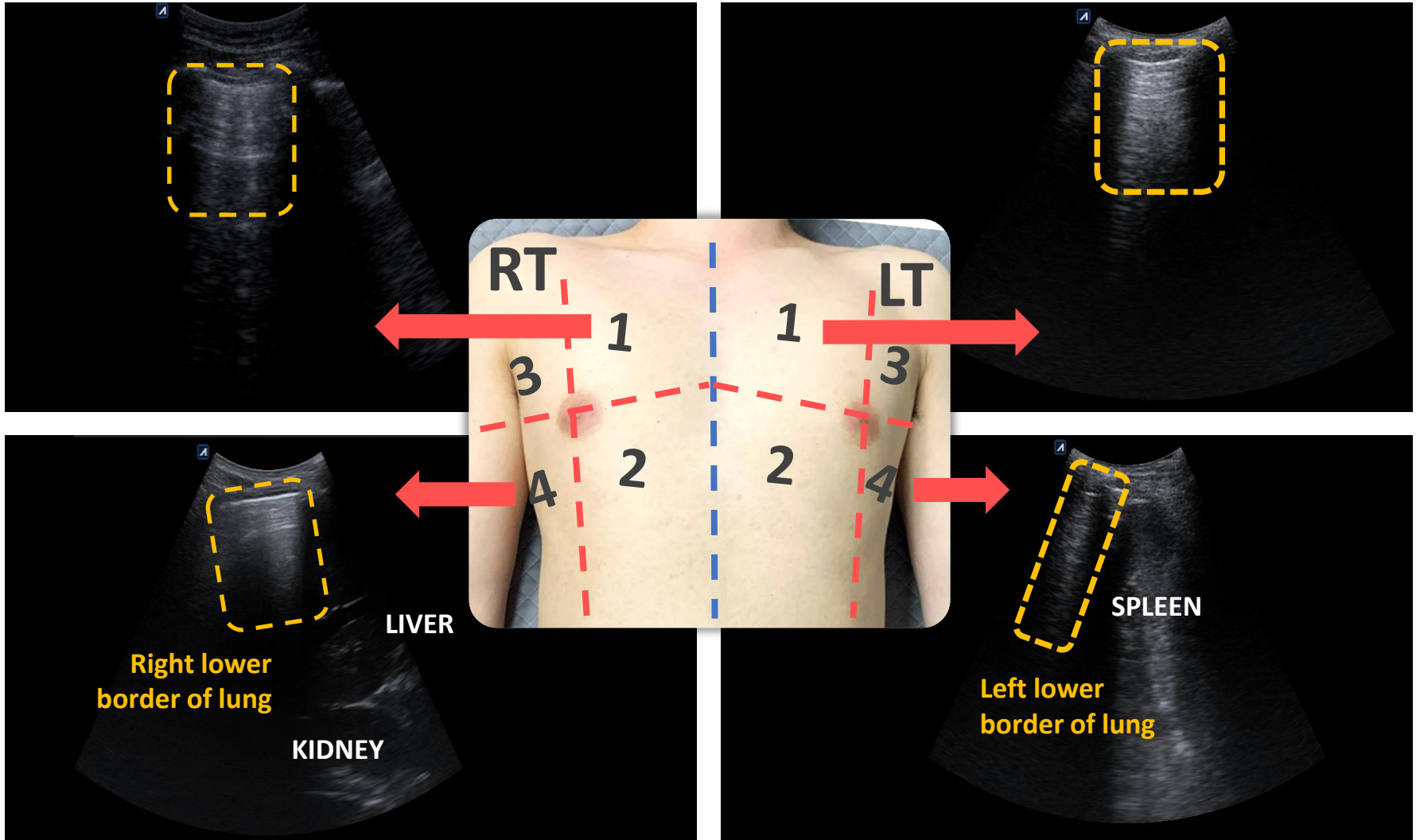
Linear



Lung Scanning Parts



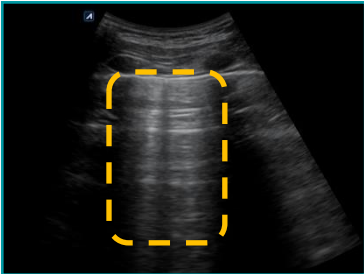
Lung Scanning Parts



Diagnosis Process

Lung Scan

Artifact A-Line

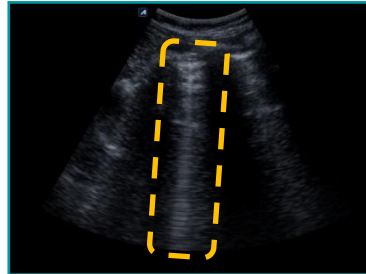


M-Mode

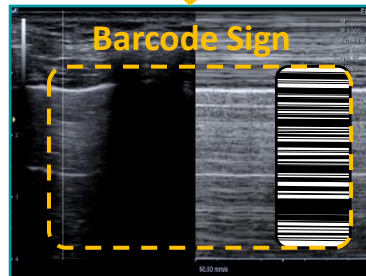


Normal

Artifact B-Line



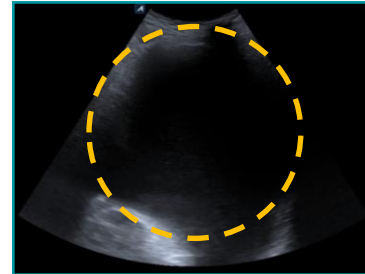
M-Mode



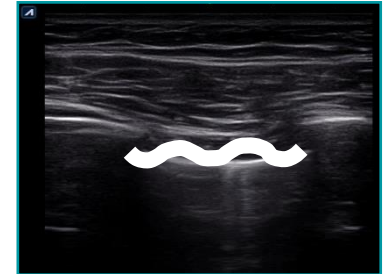
Potential Diseases

- Pneumothorax
- Pulmonary Consolidation
- Pulmonary Edema

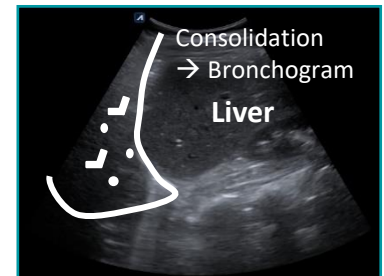
Pleural Effusion



Others



Irregular & Thickening
Pleural Line

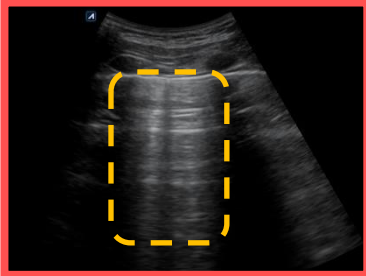


Consolidation

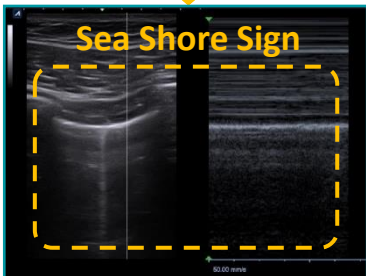
A-Line Example #01

Lung Scan

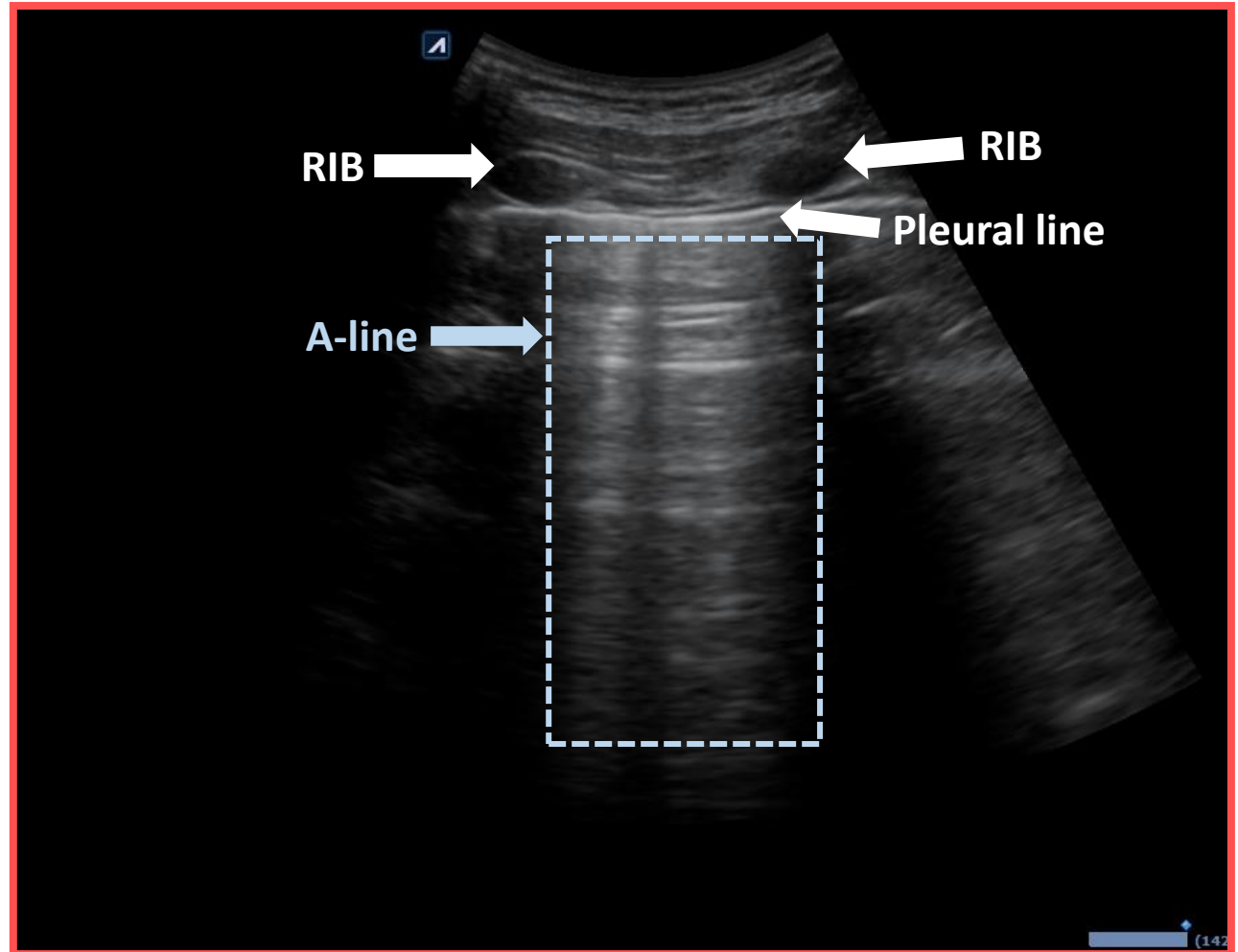
Artifact A-Line



M-Mode



Normal

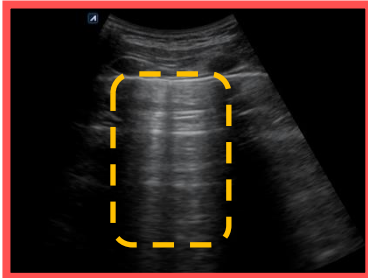


A-Line Example #02

Lung Scan



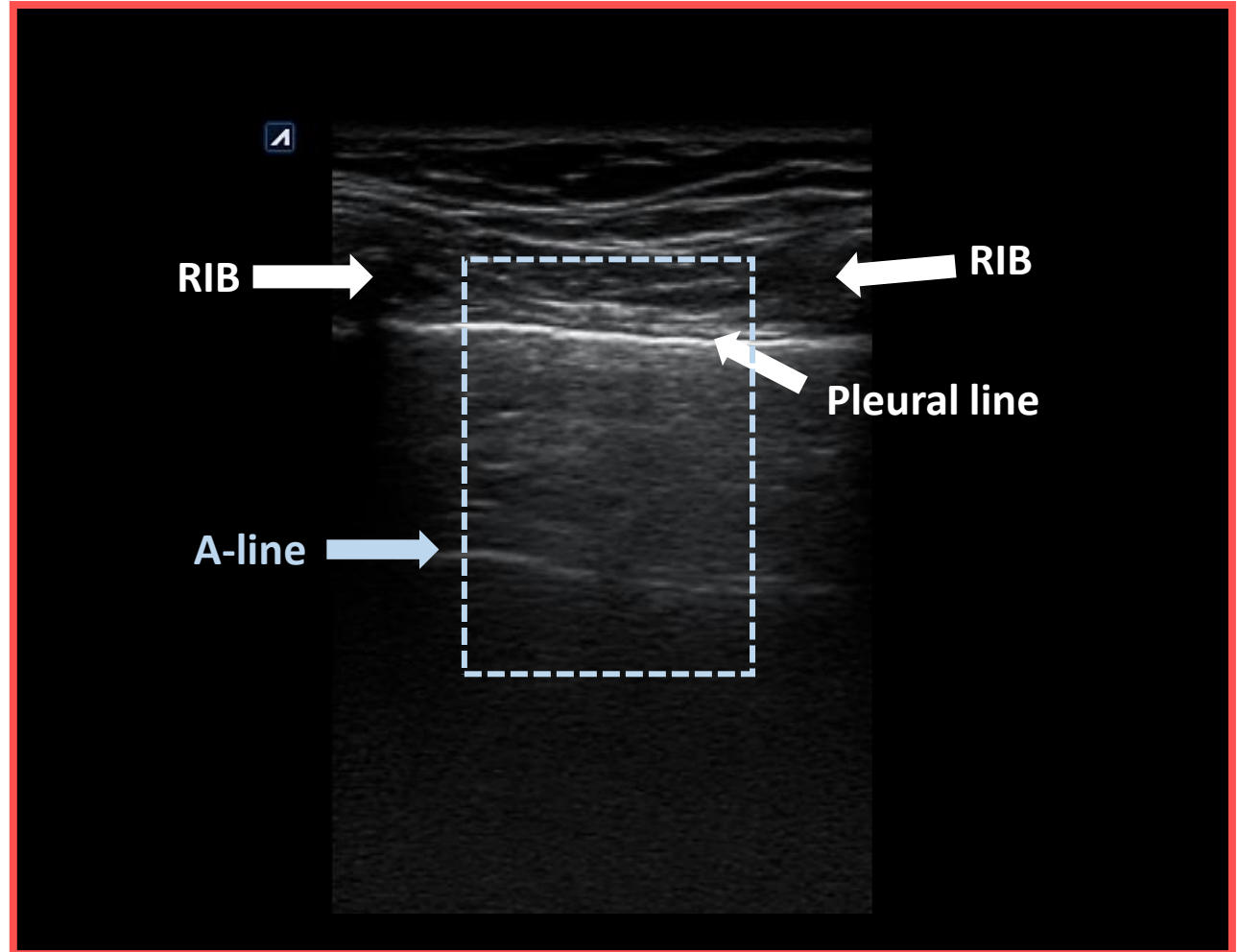
Artifact A-Line



M-Mode



Normal

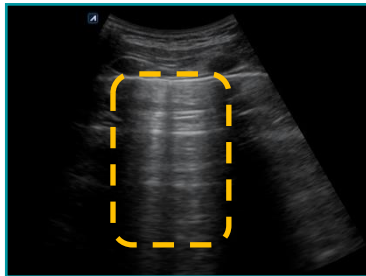


Sea Shore Sign on M-Mode

Lung Scan



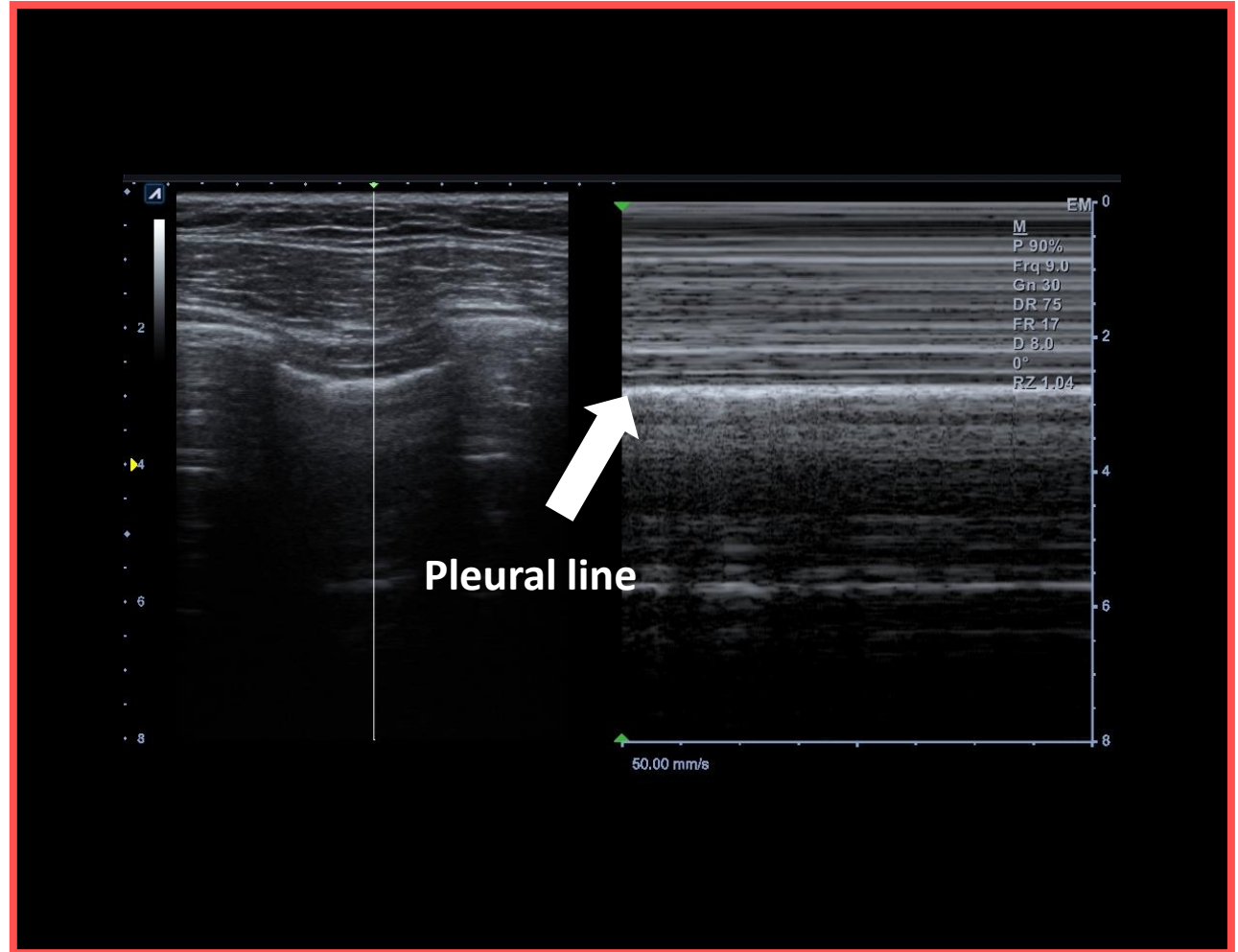
Artifact A-Line



M-Mode



Normal

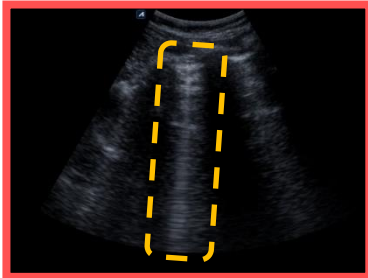


B-Line Example #01

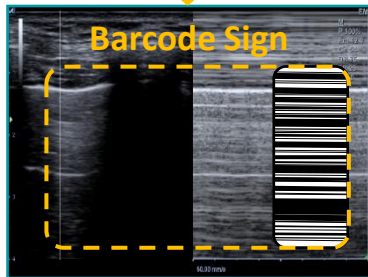
Lung Scan



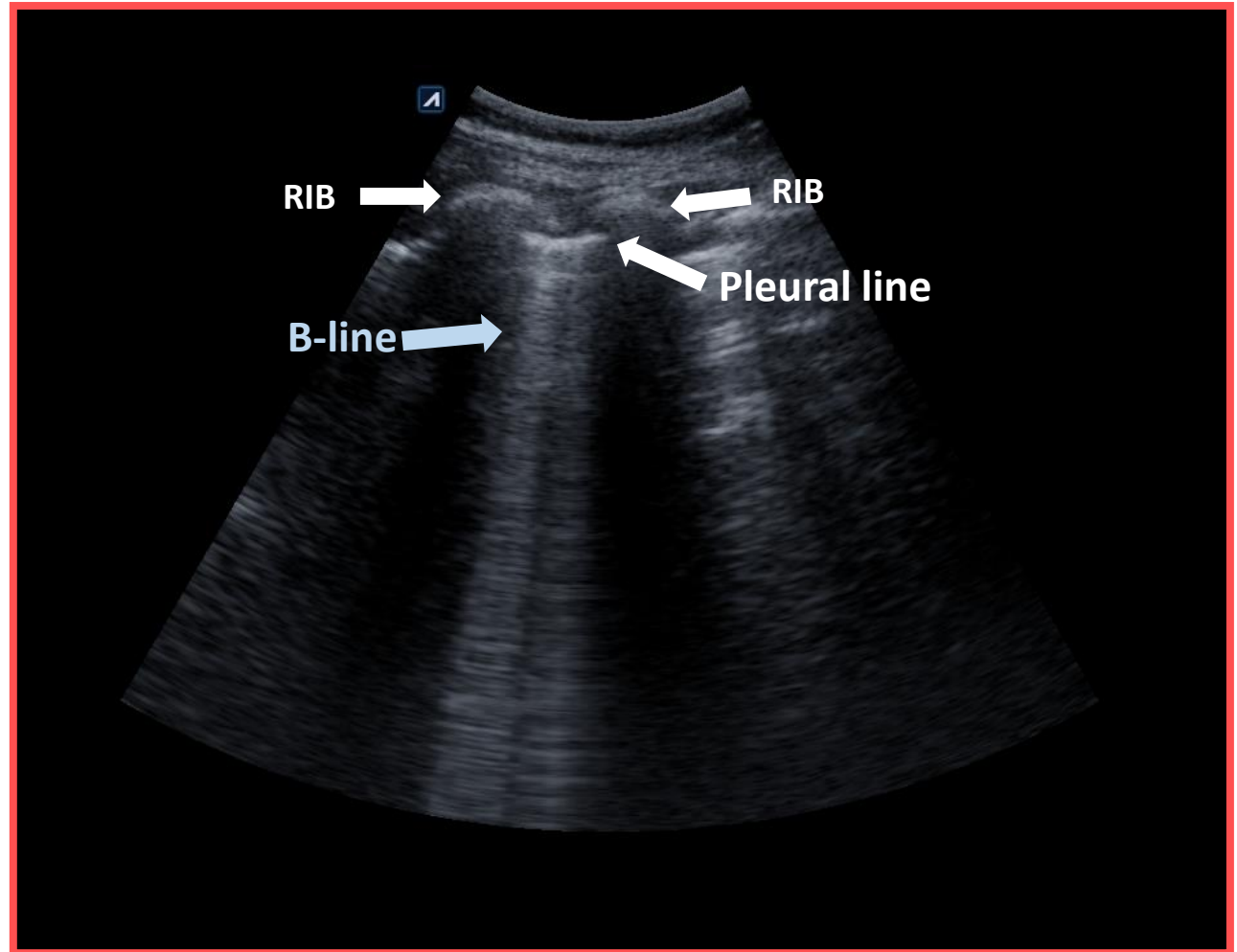
Artifact B-Line



M-Mode



Potential Diseases

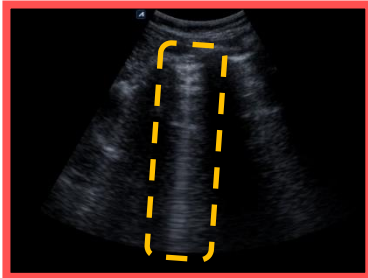


B-Line Example #02

Lung Scan



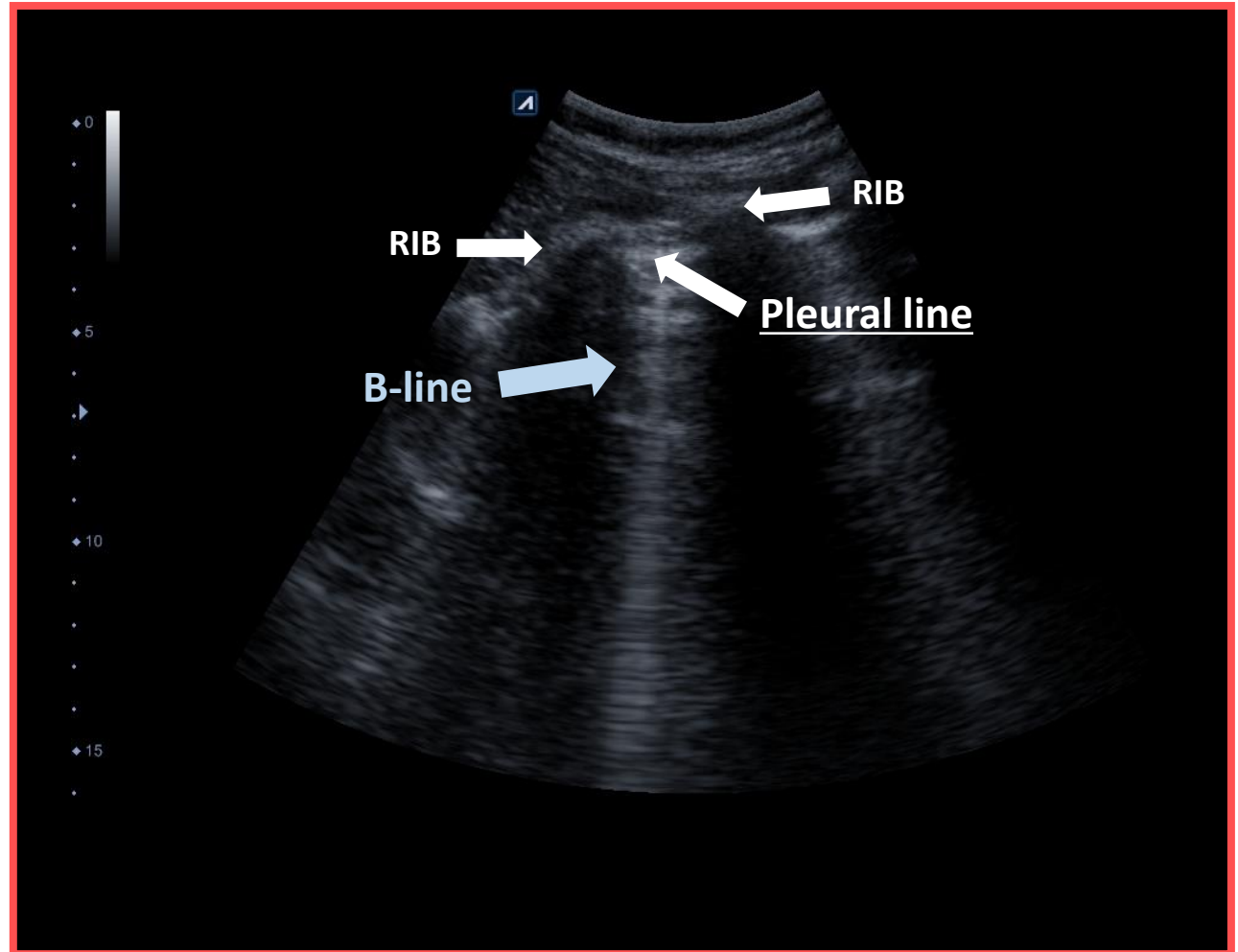
Artifact B-Line



M-Mode



Potential Diseases

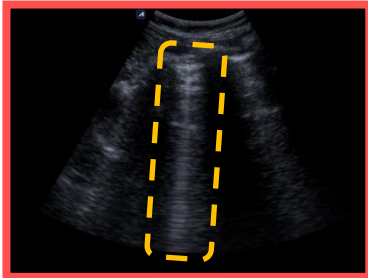


B-Line Example #03

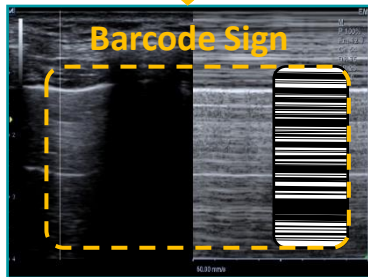
Lung Scan



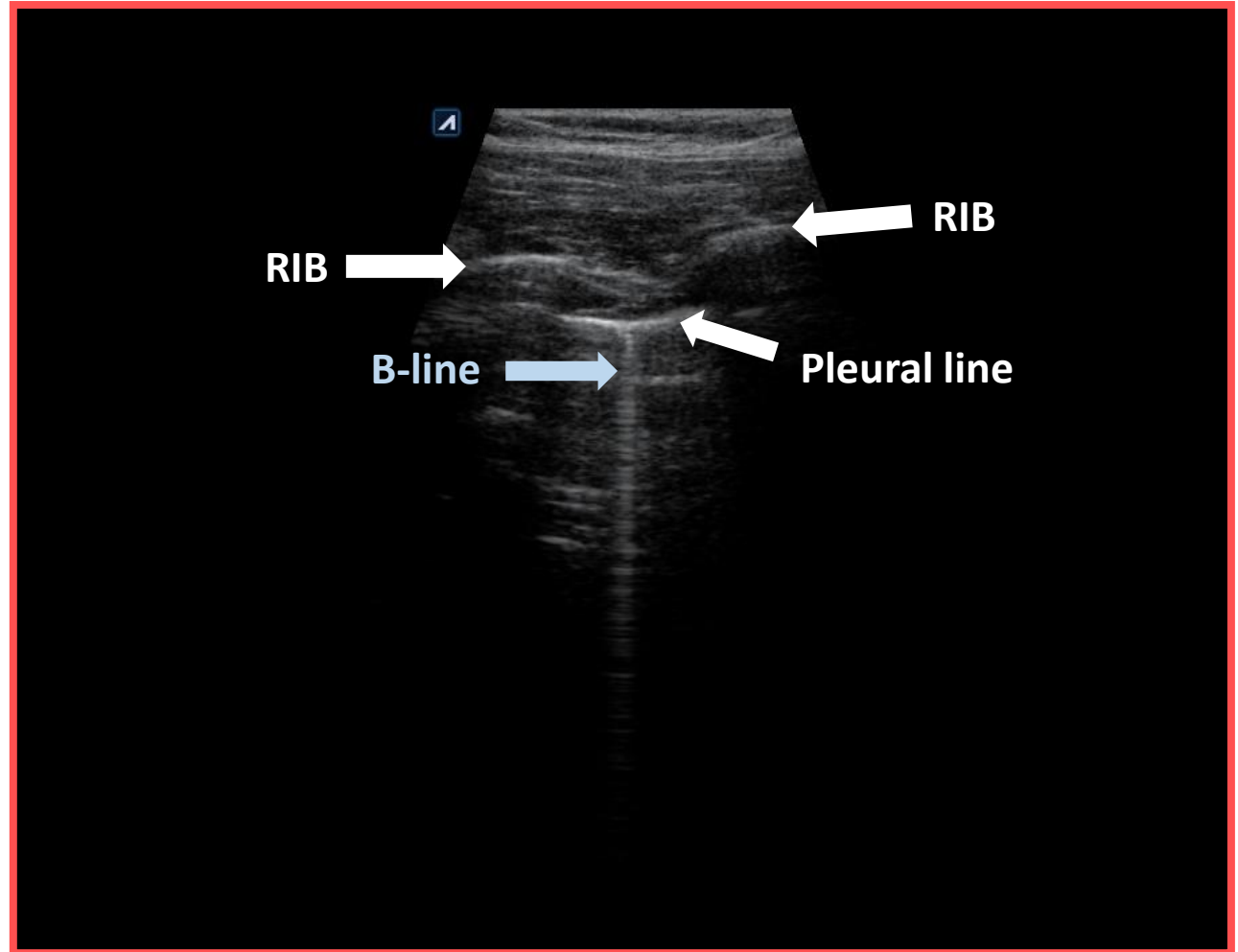
Artifact B-Line



M-Mode



Potential Diseases

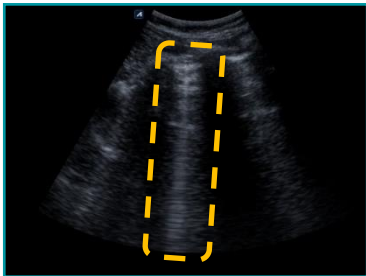


Barcode Sign on M-Mode

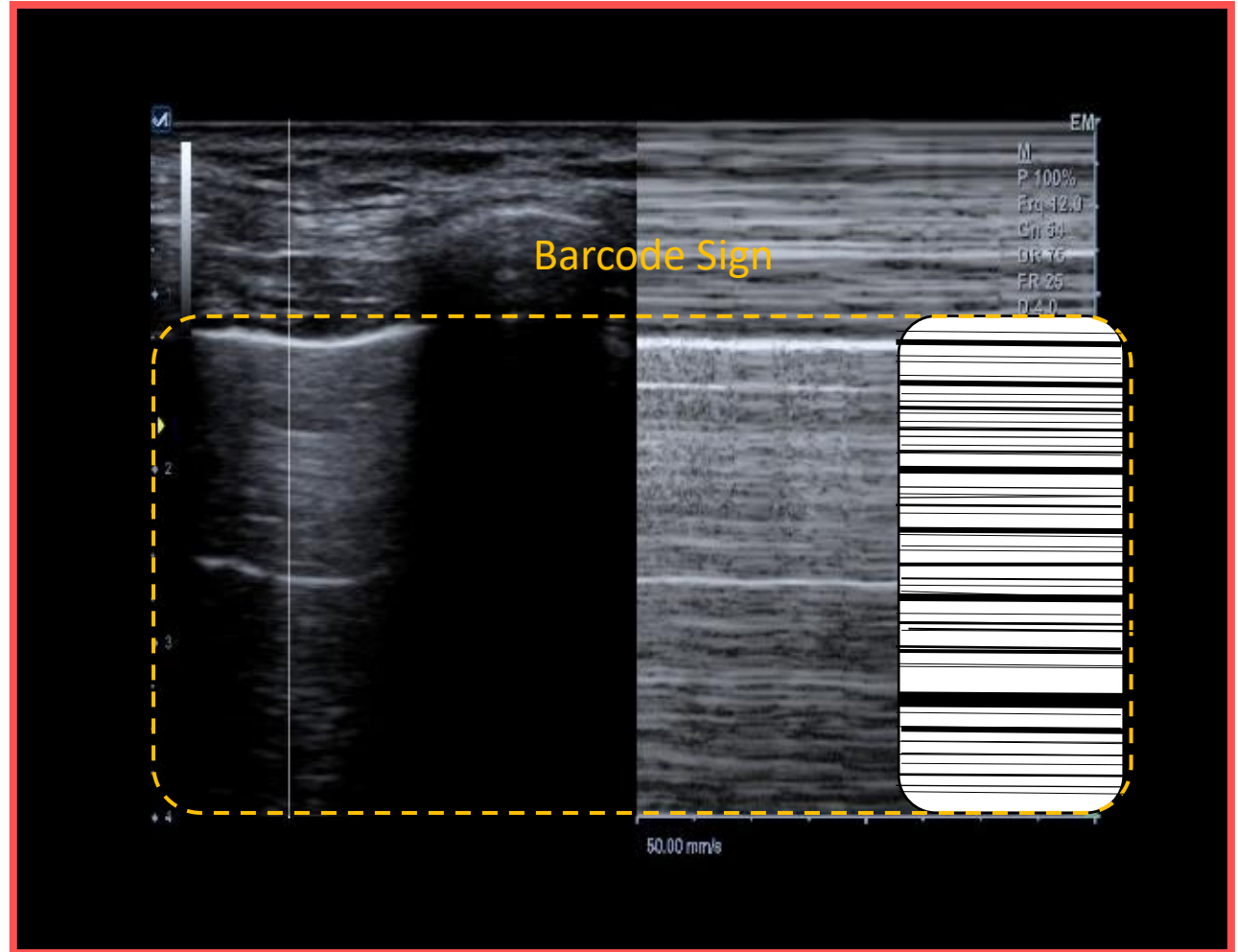
Lung Scan



Artifact B-Line



M-Mode



Potential Diseases

Preset Recommendation for minisono

minisono C1-6

V1.0.9

Preset	FAST
SRI	0
Spt.comp	1
DR	65 ~ 70
Depth	> 15 cm

minisono L3-12

V1.0.9

Preset	FAST
SRI	0
Spt.comp	1
DR	75 ~ 80
Depth	> 6 cm