

MIKE BREUNIG, PA-C



Indianapolis, IN AAPA 2022

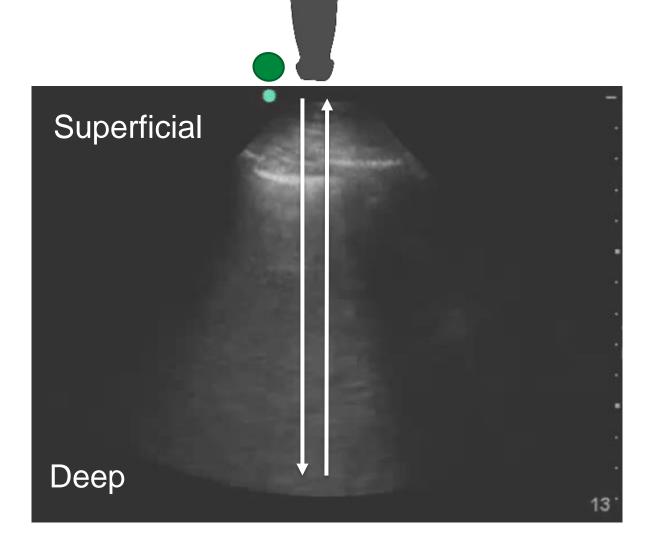
DISCLOSURES

None

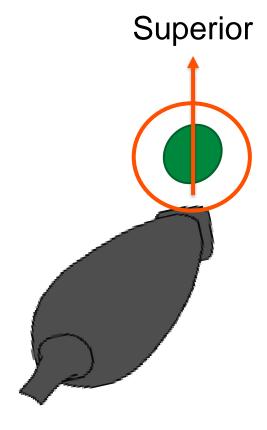
LEARNING OBJECTIVE

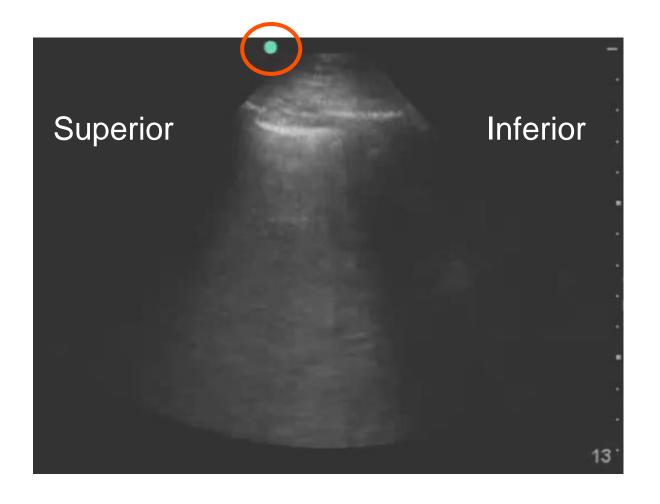
- Identify the scope and indications of lung ultrasound
- Contrast normal and abnormal findings on lung ultrasound
- Obtain lung ultrasound images

INDICATOR MARKERS

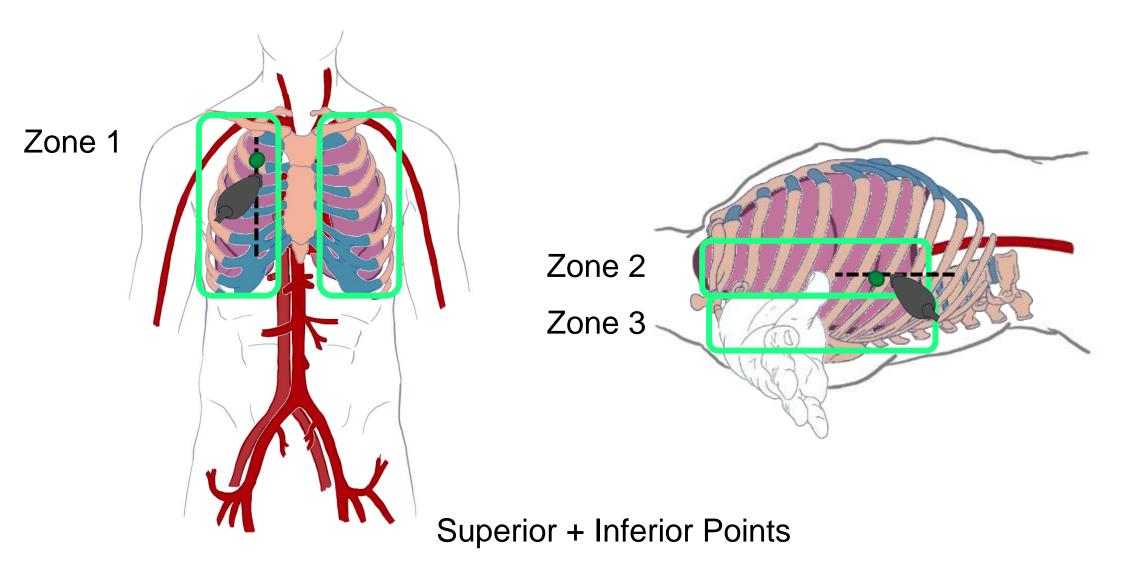


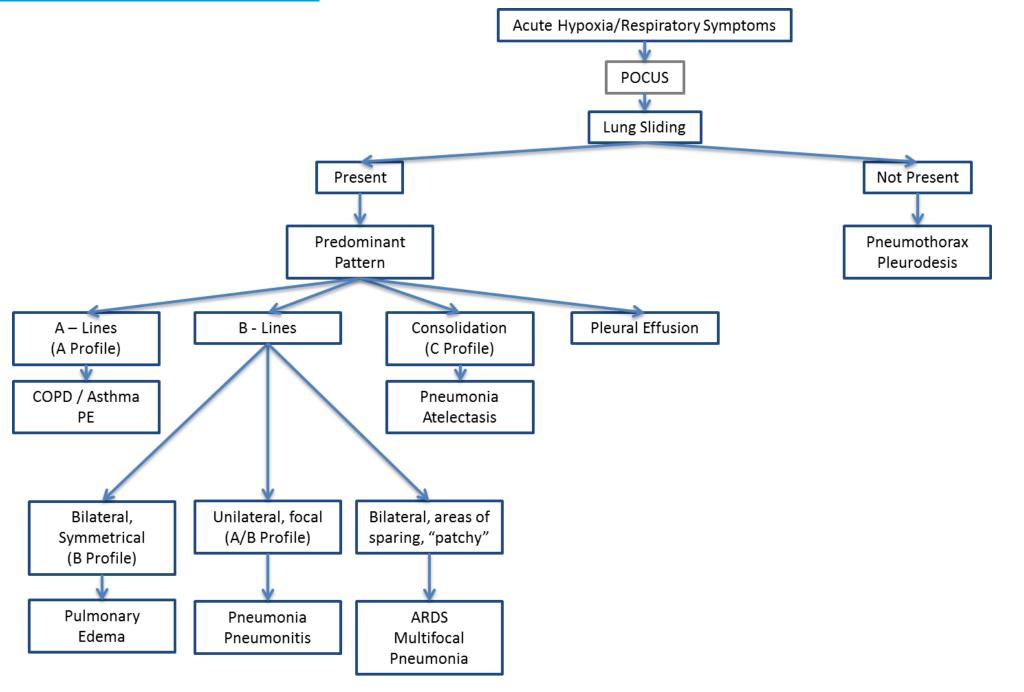
INDICATOR MARKERS



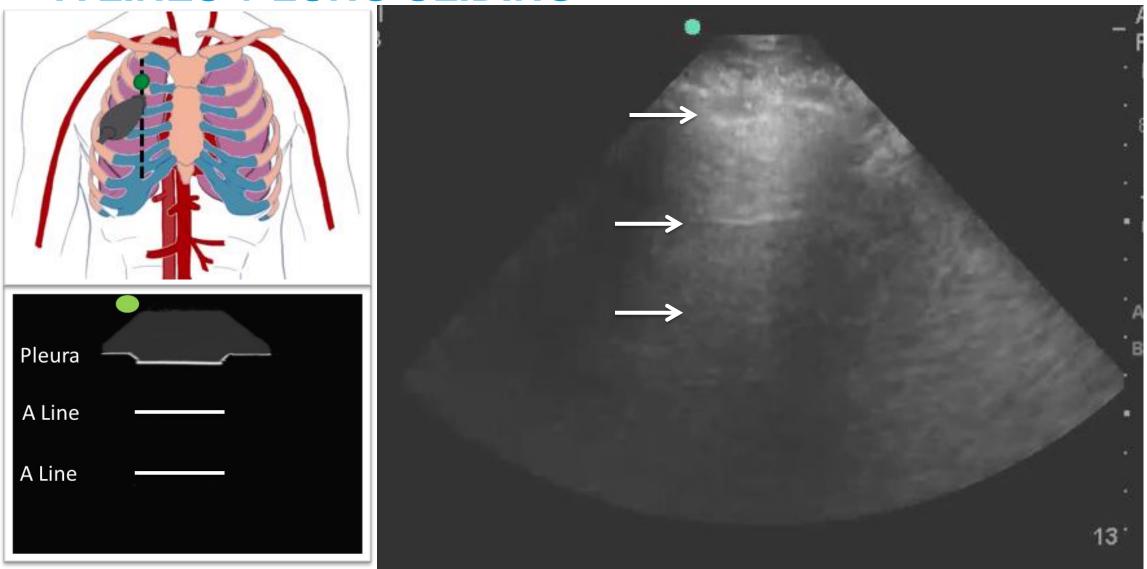


- Scope:
 - Pulmonary Edema
 - Pneumonia (viral and bacterial)
 - Pleural effusions (simple vs complex)
 - Pneumothorax
- Indications:
 - Dyspnea
 - Hypoxia
 - Respiratory Failure
 - Intravascular volume assessment





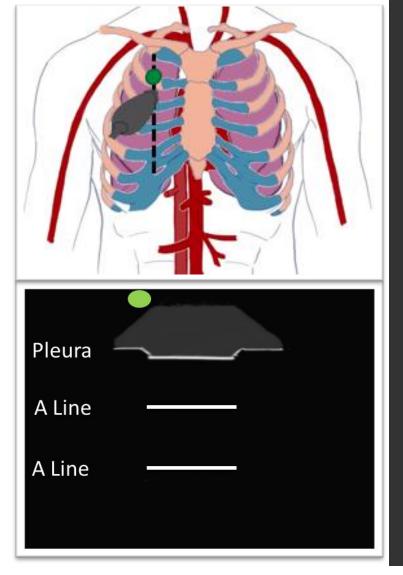
A LINES + LUNG SLIDING

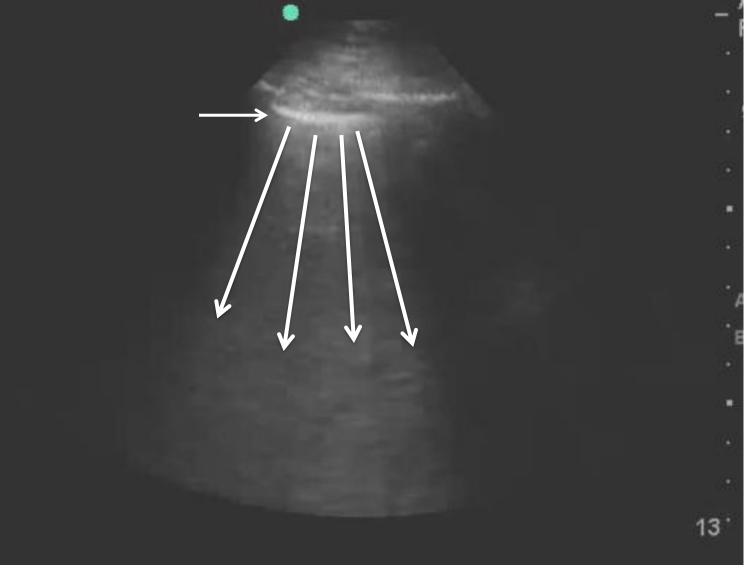


ABSENT LUNG SLIDING

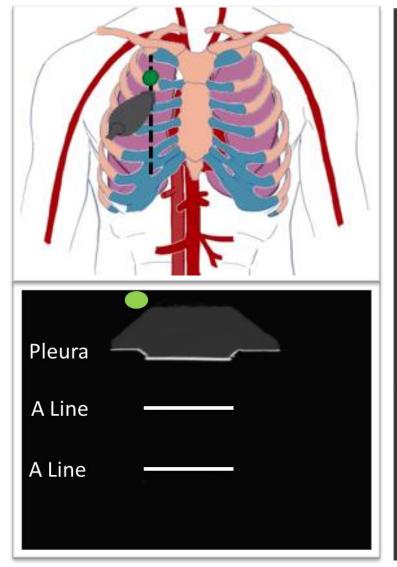


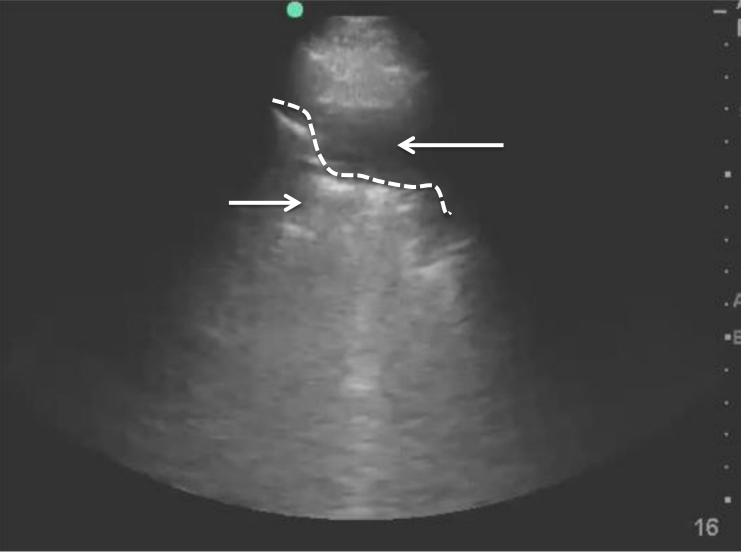
B LINES



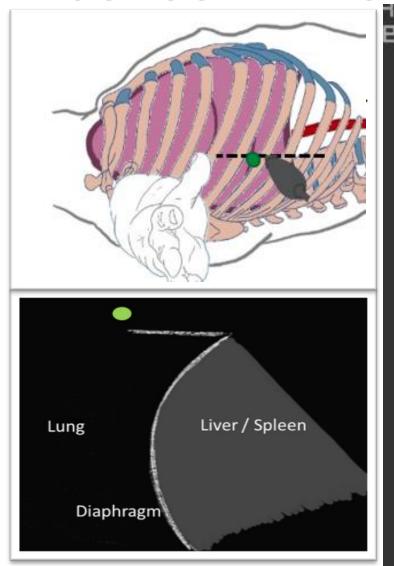


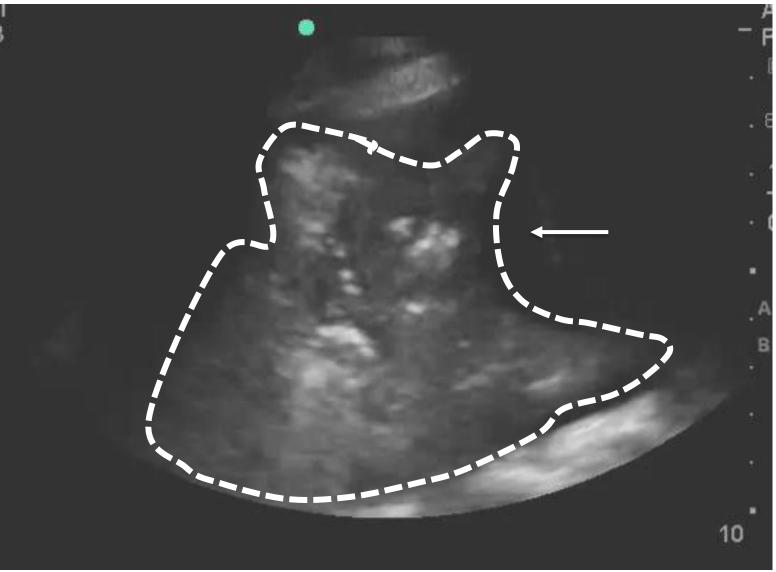
CONSOLIDATION



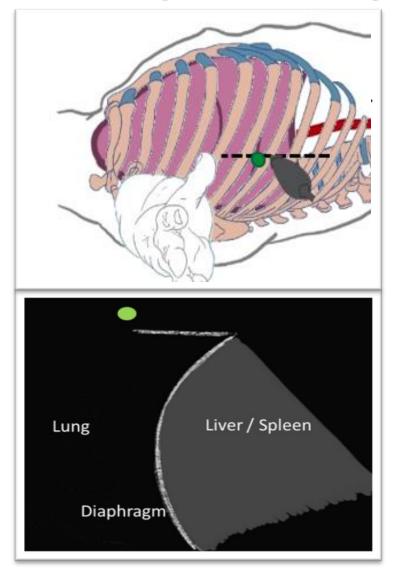


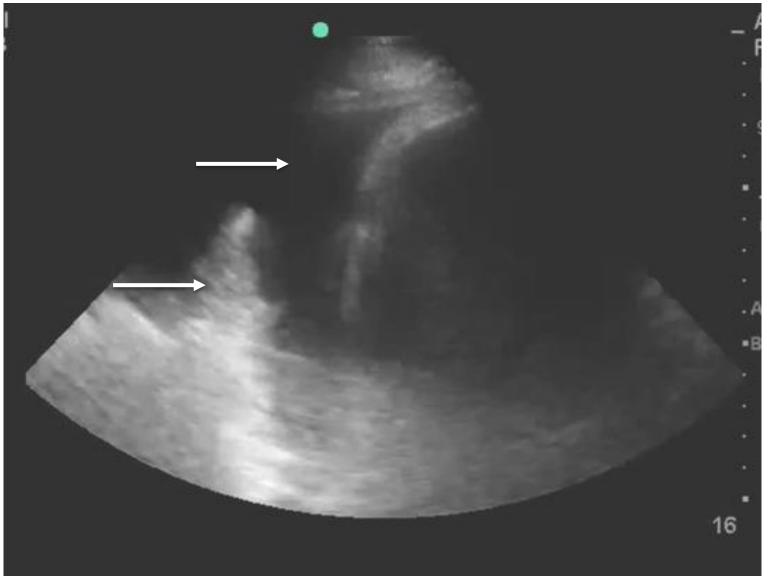
CONSOLIDATION





PLEURAL EFFUSION





QUESTIONS AND DISCUSSION

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