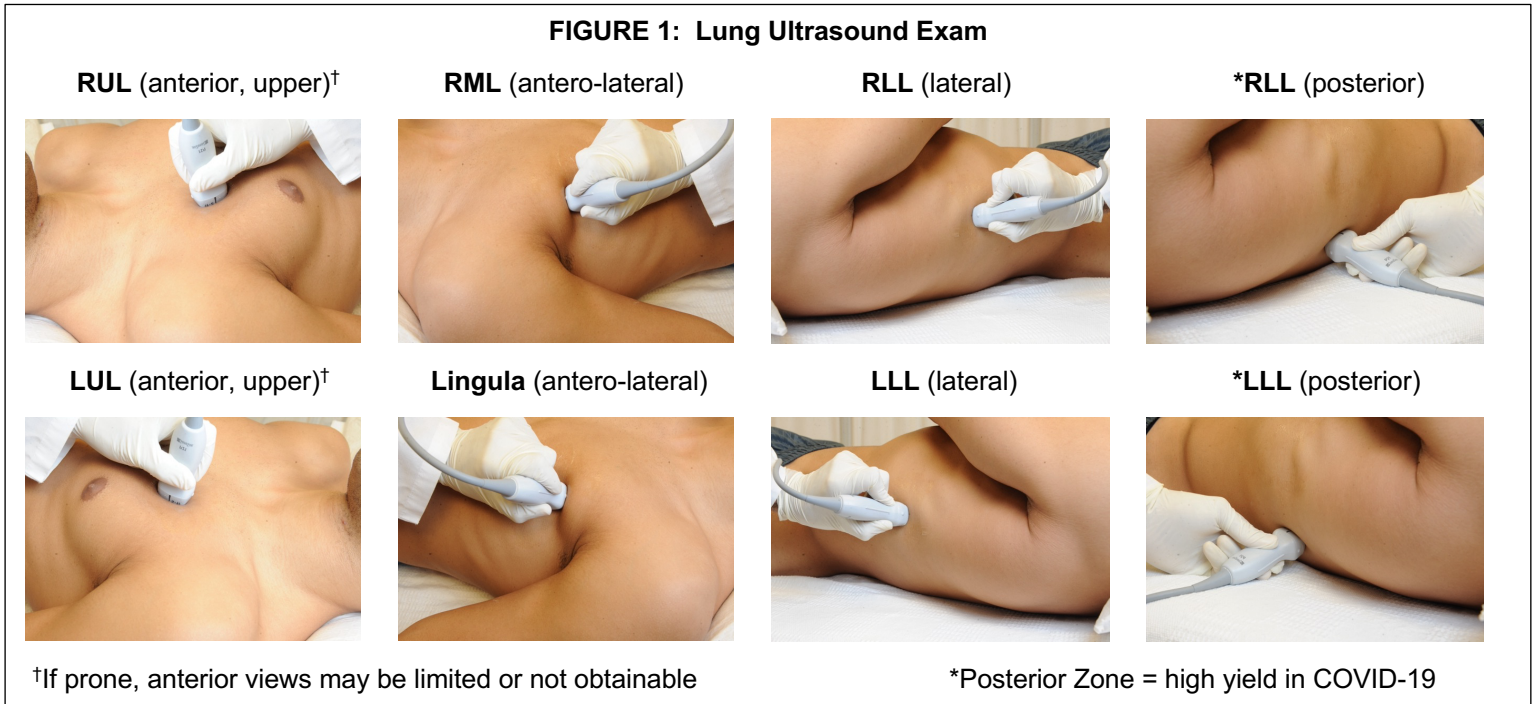


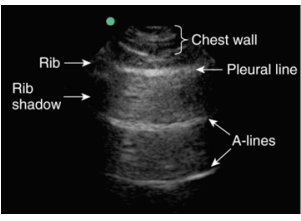
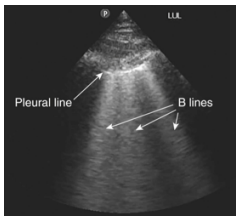
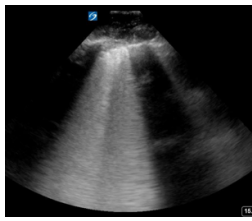

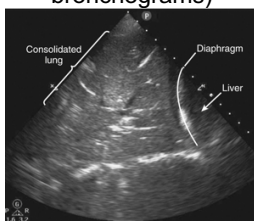
## FOCUSED LUNG & CARDIAC POCUS EXAM in COVID-19

1. Turn machine on / Enter **patient info** / Select **phased-array probe** and **abdominal exam**
2. With probe marker pointed cephalad, acquire & save **4 views of right lung** and **4 views left lung** (FIGURE 1)
3. Document **highest lung score** of any interspace in each lung zone (FIGURE 2). Consider linear probe for pleural details.
4. Change to **cardiac exam**. Acquire and save **parasternal long-axis view** (minimum) (FIGURE 3). Assess gross LVSF.


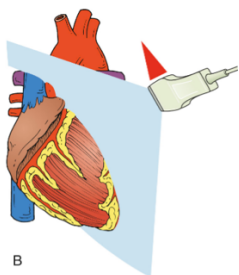
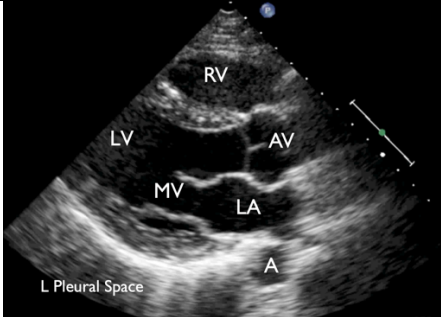
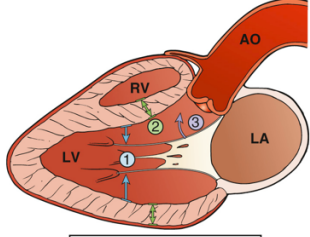
**FIGURE 1: Lung Ultrasound Exam**



**FIGURE 2: LUNG SCORE**








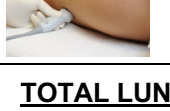
<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
<b>NORMAL</b> (Sliding + A-lines)	<b>DISCRETE B-LINES</b> (≥3 per interspace)	<b>FUSED B-LINES</b> (Multiple, confluent lines "white" lung)	<b>SUBPLEURAL CONSOLIDATION</b> (Small, 1-2cm hypoechoic area below pleural line)	<b>LOBAR CONSOLIDATION</b> (Large, >2cm area, air bronchograms)
				

**FIGURE 3: PARASTERNAL LONG-AXIS VIEW**

<b>1. Place probe left of mid-sternum</b>	<b>2. Identify chambers &amp; valves</b> (LV, RV, MV, AV, LA, Aorta)	<b>3. Assess gross LVSF</b> (NL, hyperdynamic, reduced, severely reduced)
 		 <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> <p>1 - Endocardial excursion 2 - Myocardial thickening 3 - Septal motion of anterior leaflet of mitral valve</p> </div>

Reference: Point-of-care Ultrasound, 2<sup>nd</sup> edition, 2020.

## FOCUSED LUNG & CARDIAC POCUS EXAM in COVID-19

<b>LUNG Exam</b>						
<b>RUL</b> (anterior, upper) 	<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<input type="checkbox"/> Not obtainable Other Findings:
<b>RML</b> (antero-lateral) 	<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<input type="checkbox"/> Not obtainable Other Findings:
<b>RLL-1</b> (lateral) 	<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<input type="checkbox"/> Not obtainable Other Findings:
<b>RLL-2</b> (posterior) 	<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<input type="checkbox"/> Not obtainable Other Findings:
<b>LUL</b> (anterior, upper) 	<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<input type="checkbox"/> Not obtainable Other Findings:
<b>Lingula</b> (antero-lateral) 	<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<input type="checkbox"/> Not obtainable Other Findings:
<b>LLL-1</b> (lateral) 	<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<input type="checkbox"/> Not obtainable Other Findings:
<b>LLL-2</b> (posterior) 	<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<input type="checkbox"/> Not obtainable Other Findings:
<b><u>TOTAL LUNG SCORE</u></b>						
<b>CARDIAC Exam</b>						
<input type="checkbox"/> <b>PARASTERNAL</b> (long-axis view) <input type="checkbox"/> <b>SUBCOSTAL</b> (4-chamber view) <input type="checkbox"/> <b>APICAL</b> (4-chamber view)	<b>NORMAL</b>	<b>HYPERDYNAMIC</b> (EF >70%)	<b>REDUCED</b> (EF 30-50%)	<b>SEVERELY REDUCED</b> (EF <30%)	Other Findings:	<input type="checkbox"/> Not obtainable

PATIENT:

**DAILY EXAM in COVID-19**

Date / Time							
Suppl O <sub>2</sub> / Vent Settings							
<b>LUNG Exam</b>							
<b>RUL</b> (anterior, upper)	0 1 2 3 4 Not obtainable	0 1 2 3 4 Not obtainable	0 1 2 3 4 Not obtainable	0 1 2 3 4 Not obtainable	0 1 2 3 4 Not obtainable	0 1 2 3 4 Not obtainable	0 1 2 3 4 Not obtainable
<b>RML</b> (antero-lateral)	0 1 2 3 4 Not obtainable	0 1 2 3 4 Not obtainable	0 1 2 3 4 Not obtainable	0 1 2 3 4 Not obtainable	0 1 2 3 4 Not obtainable	0 1 2 3 4 Not obtainable	0 1 2 3 4 Not obtainable
<b>RLL-1</b> (lateral)	0 1 2 3 4 Not obtainable	0 1 2 3 4 Not obtainable	0 1 2 3 4 Not obtainable	0 1 2 3 4 Not obtainable	0 1 2 3 4 Not obtainable	0 1 2 3 4 Not obtainable	0 1 2 3 4 Not obtainable
<b>RLL-2</b> (posterior)	0 1 2 3 4 Not obtainable	0 1 2 3 4 Not obtainable	0 1 2 3 4 Not obtainable	0 1 2 3 4 Not obtainable	0 1 2 3 4 Not obtainable	0 1 2 3 4 Not obtainable	0 1 2 3 4 Not obtainable
<b>LUL</b> (anterior, upper)							
<b>Lingula</b> (antero-lateral)	0 1 2 3 4 Not obtainable	0 1 2 3 4 Not obtainable	0 1 2 3 4 Not obtainable	0 1 2 3 4 Not obtainable	0 1 2 3 4 Not obtainable	0 1 2 3 4 Not obtainable	0 1 2 3 4 Not obtainable
<b>LLL-1</b> (lateral)	0 1 2 3 4 Not obtainable	0 1 2 3 4 Not obtainable	0 1 2 3 4 Not obtainable	0 1 2 3 4 Not obtainable	0 1 2 3 4 Not obtainable	0 1 2 3 4 Not obtainable	0 1 2 3 4 Not obtainable
<b>LLL-2</b> (posterior)	0 1 2 3 4 Not obtainable	0 1 2 3 4 Not obtainable	0 1 2 3 4 Not obtainable	0 1 2 3 4 Not obtainable	0 1 2 3 4 Not obtainable	0 1 2 3 4 Not obtainable	0 1 2 3 4 Not obtainable
<b><u>TOTAL LUNG SCORE</u></b>							
<b>CARDIAC Exam</b>							
<input type="checkbox"/> PLAX view <input type="checkbox"/> S4C view <input type="checkbox"/> A4C view	NL H R SR Other Findings:	NL H R SR Other Findings:	NL H R SR Other Findings:	NL H R SR Other Findings:	NL H R SR Other Findings:	NL H R SR Other Findings:	NL H R SR Other Findings:
<small>PLAX=parasternal long-axis view; S4C=subcostal 4-chamber view; A4C=apical 4-chamber view; NL=normal; H=hyperdynamic; R=reduced; SR=severely reduced</small>							
<b>OTHER Exams</b>							
<b>HEENT</b> <b>Abdomen</b> <b>Extremities</b> <b>Skin</b> <b>Lines/Drains</b>							
<b>TO-DO</b>							