

Lung Ultrasound for COVID-19

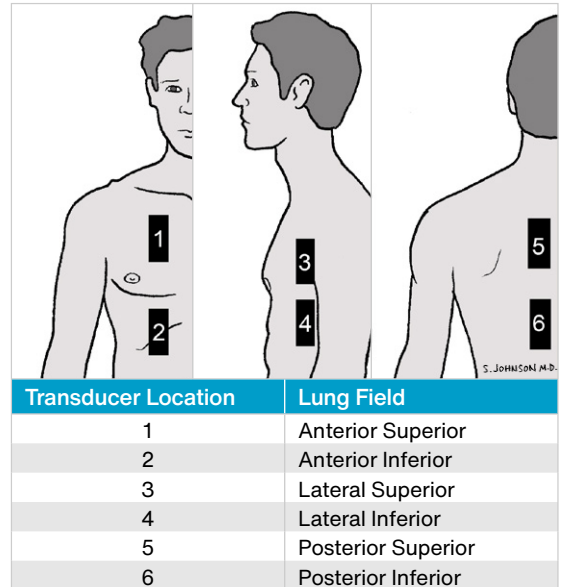
Lung ultrasound can be a vital tool for the following uses when treating patients with COVID-19:

- **Triage and diagnose** suspected illness which may be linked to COVID-19
- **Serial examination** of COVID-19 patients to limit X-ray and CT scan use
- **Evaluate need** for advanced airway or mechanical ventilation
- **Assist with ventilator** and weaning strategies
- **Evaluate lung complications** in COVID-19 patients that are in prone position

12-Point Lung Exam Protocol

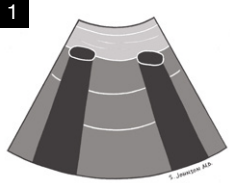

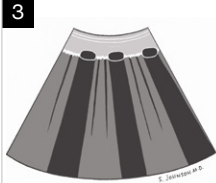
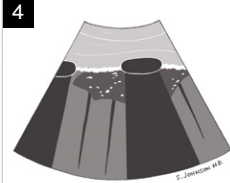
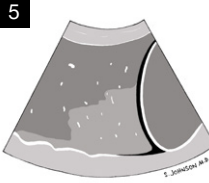
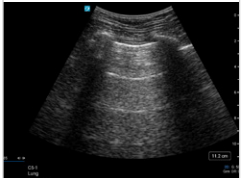
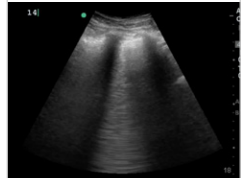
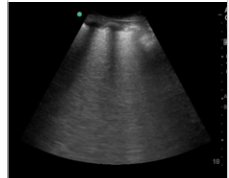
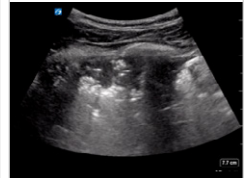

To increase the sensitivity in the detection of COVID-19 findings, it is recommended to perform a 12 point lung exam (6 points on each lung—See FIGURE 1).

FIGURE 1



Using Ultrasound to Identify Deterioration of Lungs in COVID-19 Patients

Characteristic lung ultrasound findings that appear in normal lungs and in COVID-19 patients as the disease progresses from mild to severe

NORMAL	MILD	MODERATE		SEVERE
<p>1</p> 	<p>2</p> 	<p>3</p> 	<p>4</p> 	<p>5</p> 
				
<p><i>Illustration and ultrasound scan of a normal lung with the presence of A-lines and rib shadow.</i></p>	<p><i>Illustration and ultrasound scan of a lung with B-lines and irregular/thickened pleural line.</i></p>	<p><i>Illustration and ultrasound scan of a lung with confluent B-lines.</i></p>	<p><i>Illustration and ultrasound scan of a lung with a subpleural consolidation and confluent B-lines.</i></p>	<p><i>Illustration and ultrasound scan of a lung with consolidations and pleural effusion.</i></p>

Note: These findings are common to many lung conditions and should not be construed as being diagnostic of COVID-19.

Any patient. Anywhere. Anytime.

FUJIFILM Sonosite, Inc.
 Worldwide Headquarters
 21919 30th Drive SE, Bothell, WA 98021-3904
 Tel: +1 (425) 951-1200 or +1 (877) 657-8050
 Fax: +1 (425) 951-6800
sonosite.com

The content in this quick guide has been taken from Sonosite's COVID-19 User Guide. It is recommended that users of this quick guide also consult the COVID-19 User Guide.

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Caution: FUJIFILM Sonosite reminds users that imaging devices are not intended for the diagnosis of COVID-19. In vitro diagnostic testing is currently the only definitive method to diagnose COVID-19.