Point-of-care lung and cardiac imaging solutions

Clinical ultrasound applications

**Lung imaging**
Lung ultrasound has high sensitivity for numerous lung pathologies, such as its use in evaluation of respiratory distress characterized by increased B-lines in the areas of consolidation.* The portability, ease-of-cleaning, and affordability of ultrasound make it an advantageous tool for assessing various lung pathologies, as well as for evaluating disease progression.

**Cardiac imaging**
Certain respiratory diseases can also lead to cardiac dysfunction. A combined lung and cardiac ultrasound exam can help in evaluating the effects that such disease progression may have on heart function.

*https://pubs.rsna.org/doi/10.1148/radiol.2020200847
Most relevant Philips ultrasound solutions

**Lumify**

**Imaging**
Excellent cardiac and lung capabilities with the same transducer

**Portability and cleanability**
Battery-powered Android tablet and transducer can be easily covered in a sterile bag and sheath

**Remote collaboration**
Integrated capabilities allow remote collaborate with point-of-care (POC) healthcare professionals in a real-time consultation

**Recommended transducers**
- C5-2: large field of view (FOV), excellent penetration and imaging for consolidations and B-lines across rib spaces
- S4-1: excellent for intercostal access, optimal for combined workflow involving lung and cardiac examination
- L12-4: for pediatric patients, or examining pleural layer interfaces
- Lung preset is available on all transducers on Lumify: C5-2, S4-1, L12-4

**CX50**

(POC configuration)

**Premium performance with portability**
Make clinical decisions with confidence even on your most difficult-to-image patients with PureWave crystal transducer technology

- Travels easily to patient evaluation events, disaster sites or anywhere else you need premium image quality to deliver results efficiently and effectively
- Side-by-side M-mode featuring a live reference image that makes it easy to compare in real time

**Recommended transducers**
- S5-1 or S4-2: adult cardiac imaging for the ICU
- L12-3, C5-1: general purpose acute care imaging
- Optimal clinical performance with tissue specific presets (adult cardiac, pediatric cardiac, lung, etc.)

**Sparq**

**Easy-to-clean**
Sealed glass user interface

**Small footprint**
Cart designed for easy maneuverability in tight spaces, with up to 2.5 hours battery life

**Recommended transducers**
- C5-1, C6-2: large FOV, excellent penetration and imaging for consolidations and B-lines across multiple rib spaces
- S5-1, S4-2: intercostal access, optimal for workflow that involves lung and cardiac examination
- L12-4, L12-5: pediatric lung, pleural layer

Lung preset is available on C5-1, C6-2, S5-1, S4-2, L12-4, L12-5

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In addition, Philips InnoSight, Affiniti and EPIQ ultrasound systems offer excellent capabilities for lung, cardiac and general imaging.

**Cleaning information**
Enhanced safety protocols are implemented for disinfecting and cleaning new Philips ultrasound systems before shipment to our customers.

[Click here](#) for complete cleaning instructions for Philips ultrasound systems and transducers.

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www.philips.com
Printed in the Netherlands.
4522 991 58361 * MAR 2020