

LUNG ULTRASOUND FOR
COVID-19 *Diagnosis*

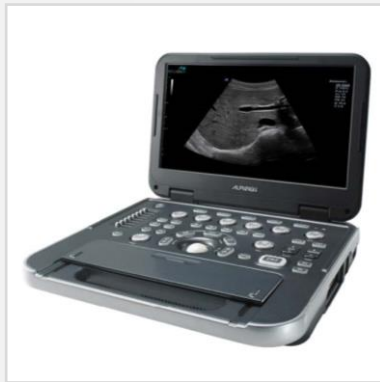

ECUBEi7



ALPINION
MEDICAL SYSTEMS

Before you start...


ECUBEi7



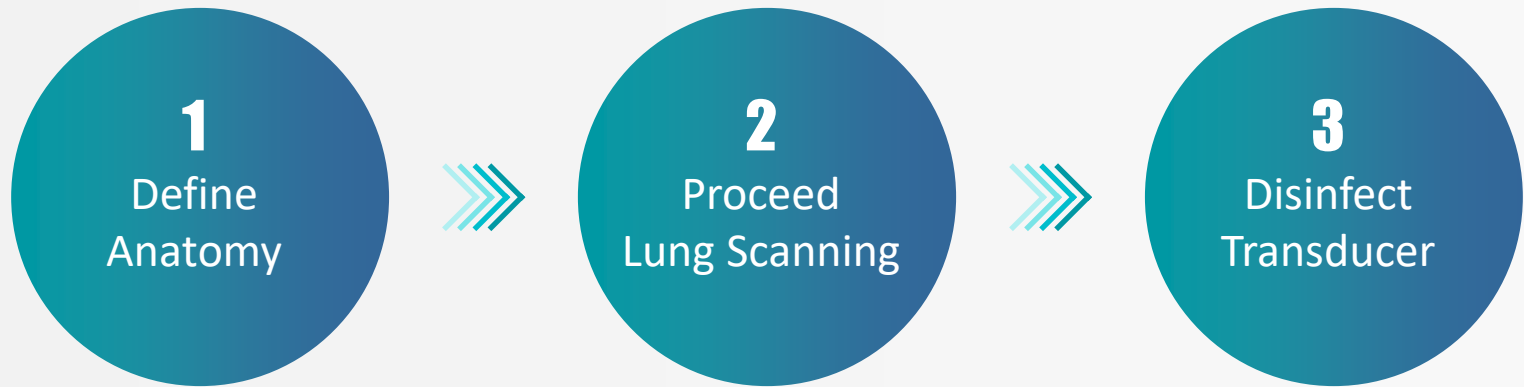
SP1-5T
Phased Array Transducer



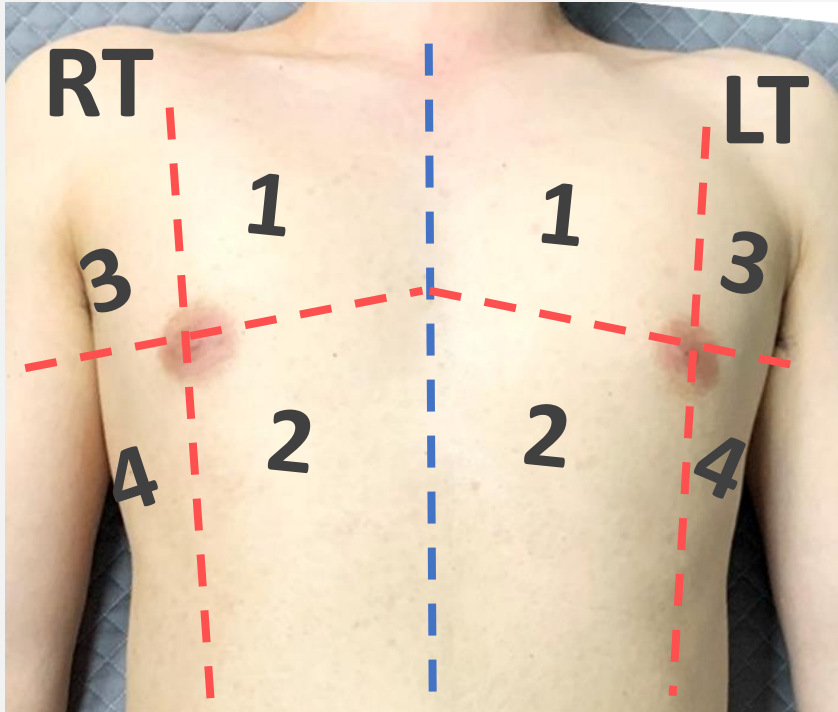
Disinfect the transducer



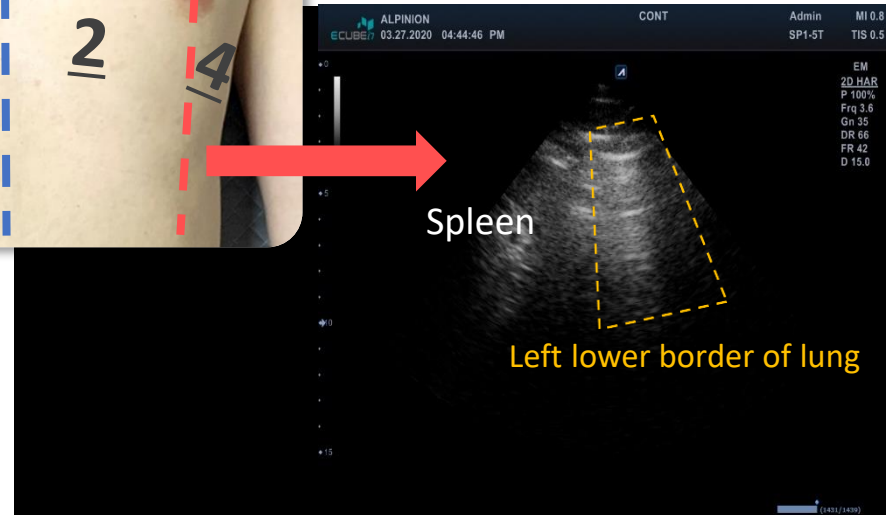
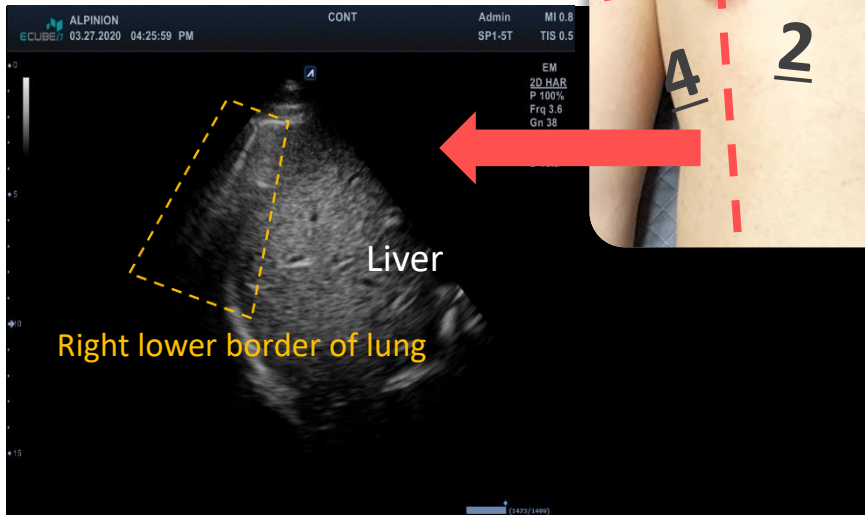
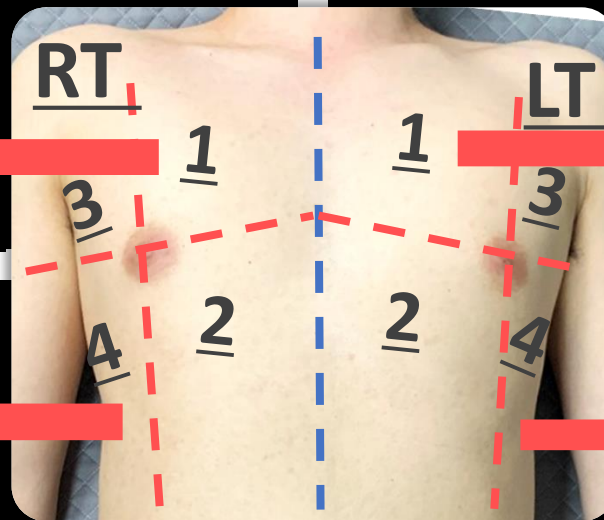
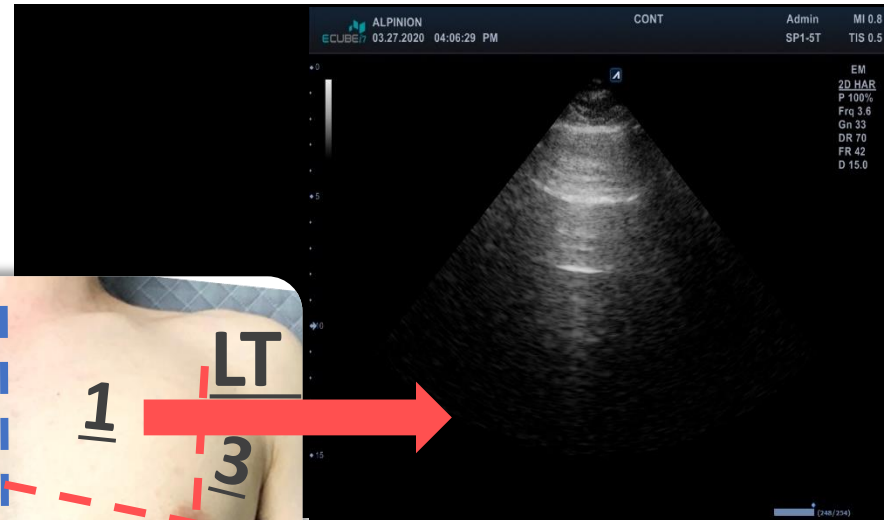
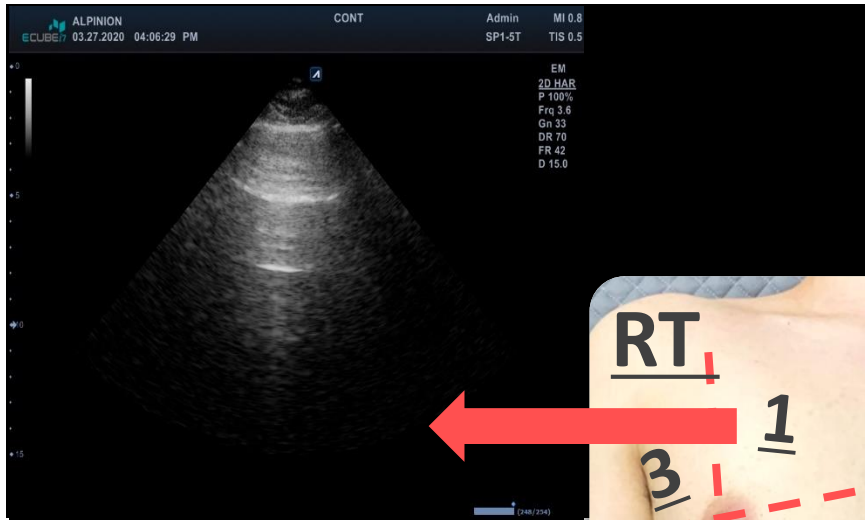
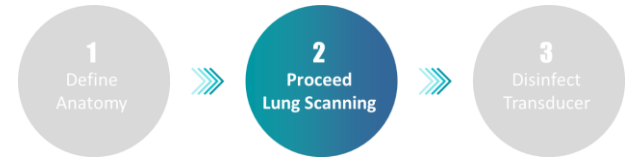
Diagnosis Process



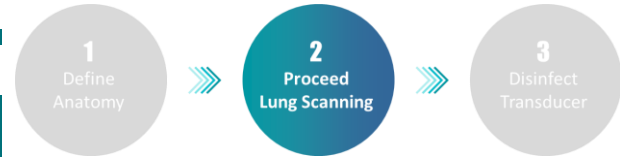
Define Anatomy



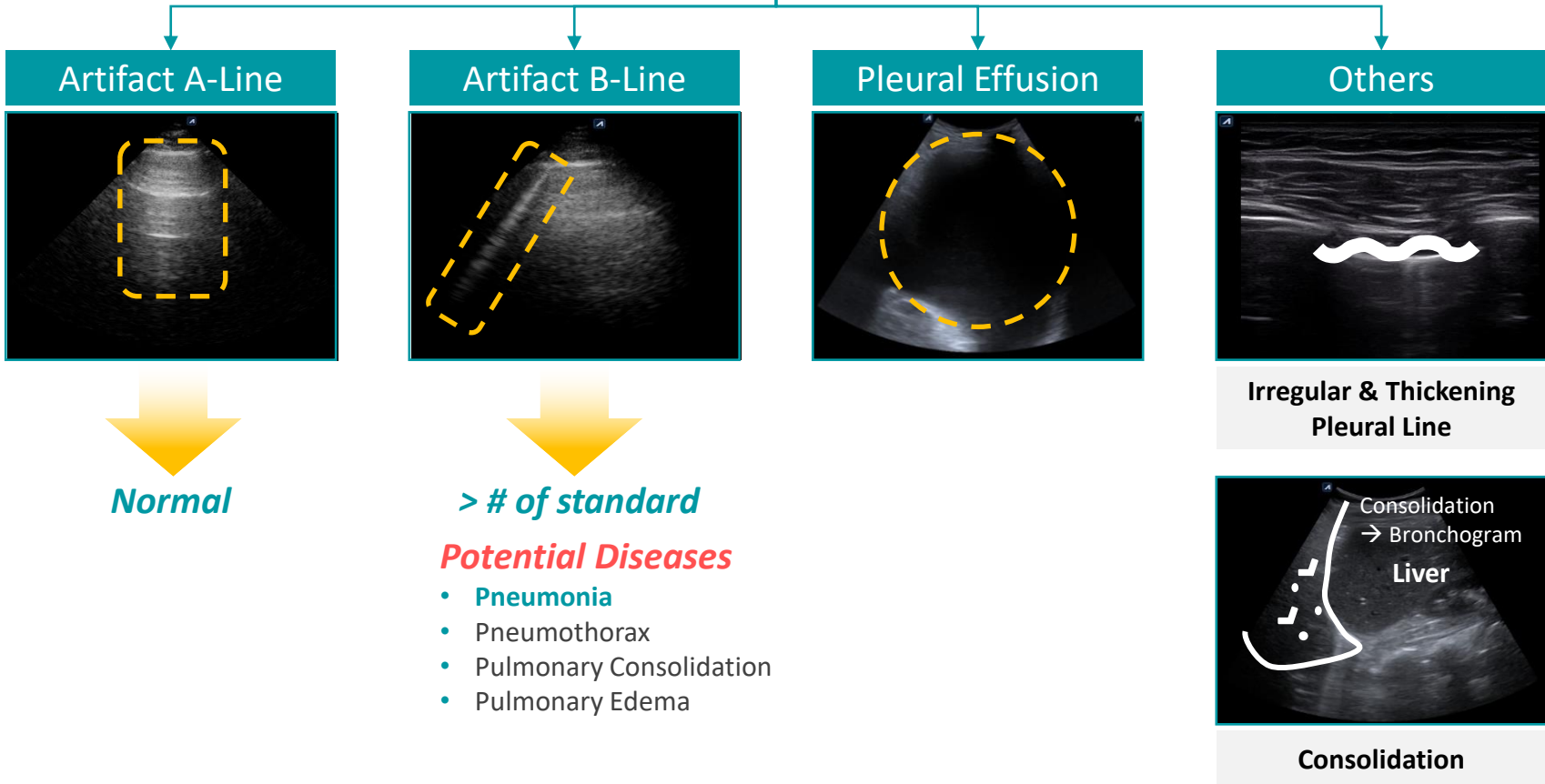
Define Anatomy



Diagnosis Process



Lung Scan



A-Line Example

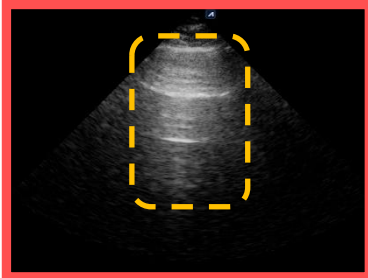
1
Define
Anatomy

2
Proceed
Lung Scanning

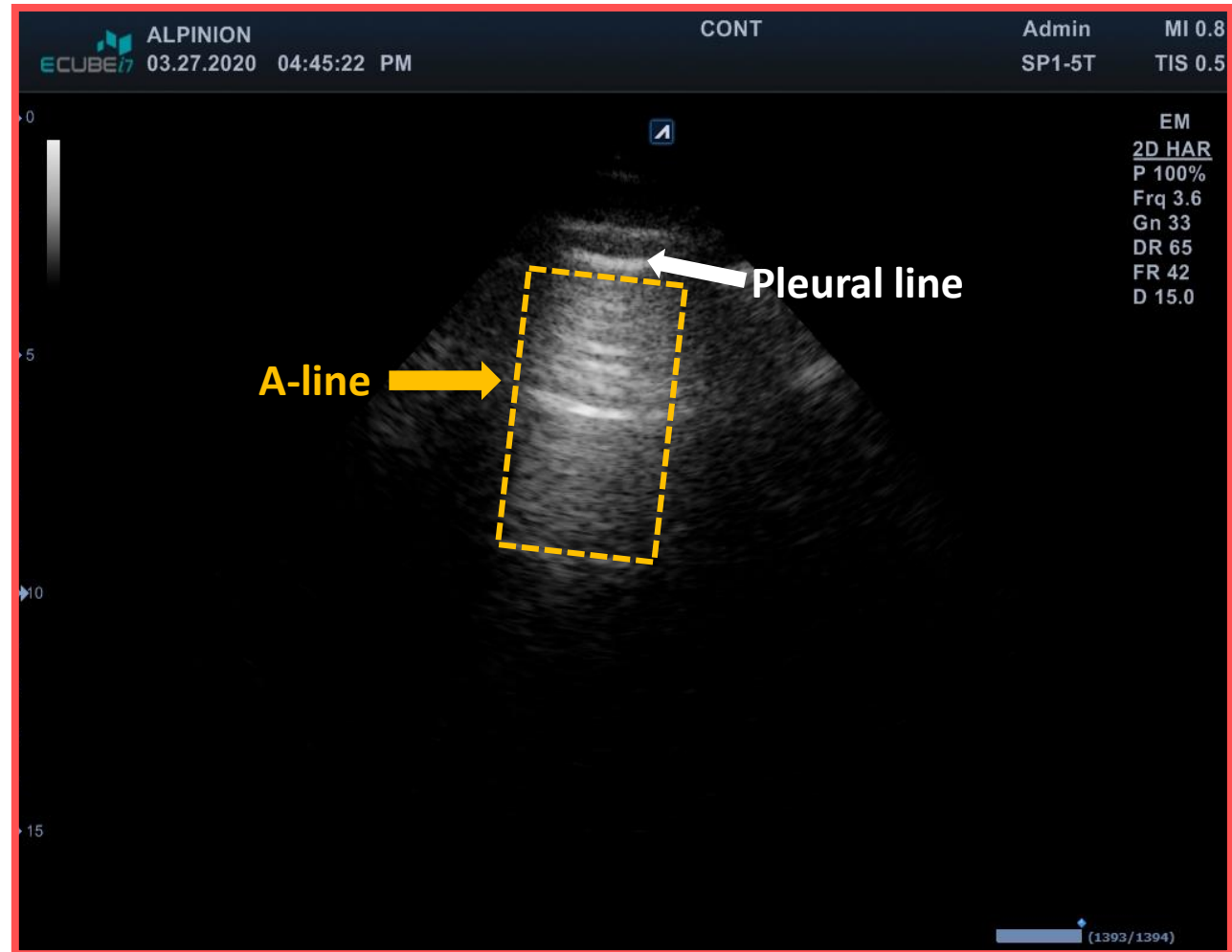
3
Disinfect
Transducer

Lung Scan

Artifact A-Line



Normal



B-Line Example

1
Define
Anatomy



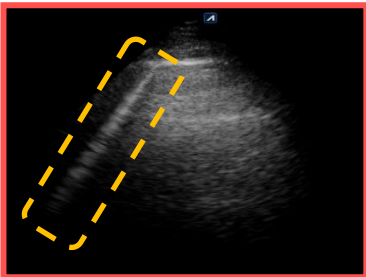
2
Proceed
Lung Scanning



3
Disinfect
Transducer

Lung Scan

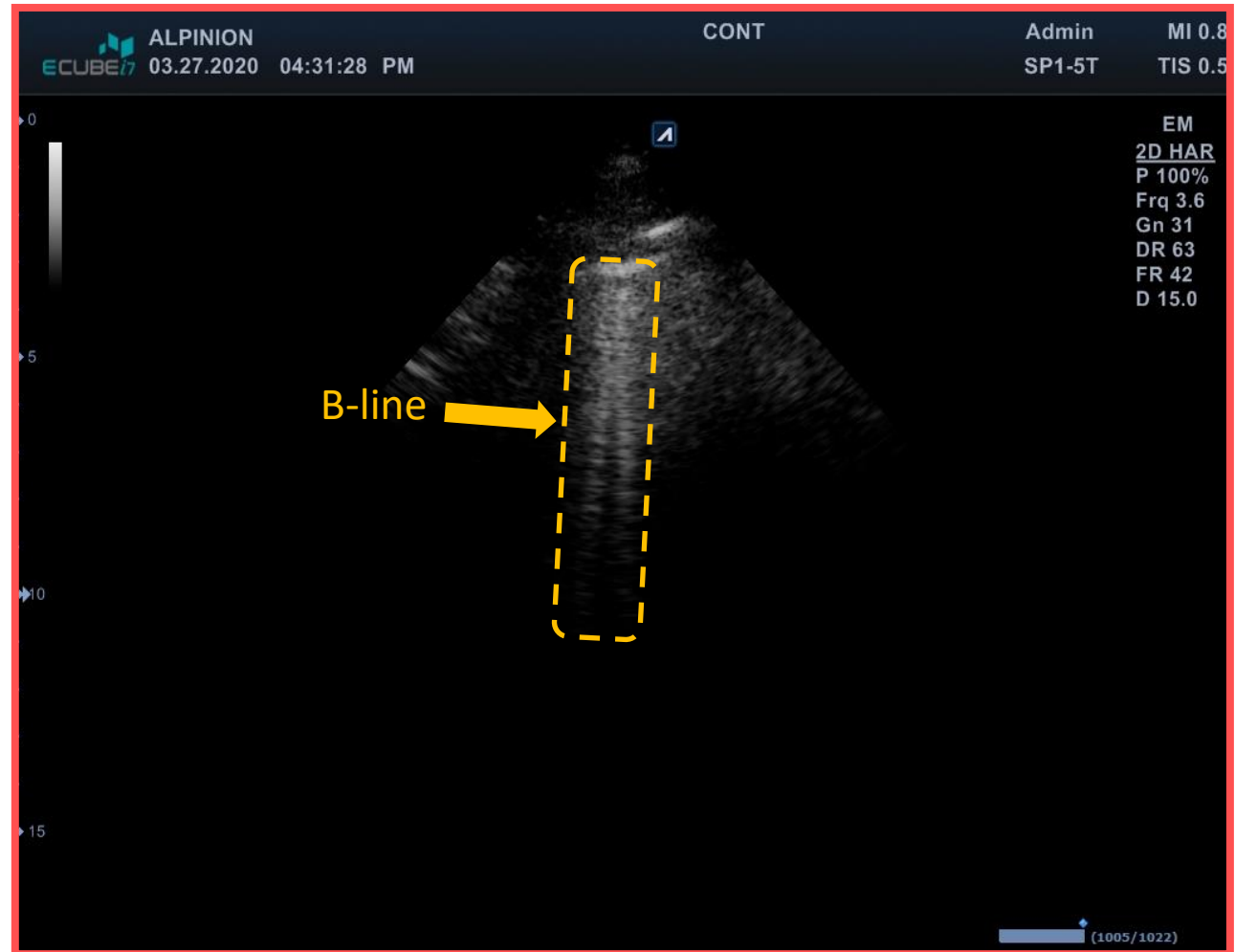
Artifact B-Line



> # of standard

Potential Diseases

- Pneumonia
- Pneumothorax
- Pulmonary Consolidation
- Pulmonary Edema



Disinfect Transducer

Low-level disinfection



SP1-5T
Phased Array Transducer



**ProteX Ultra Disinfectant Wipes
(PAKER)**



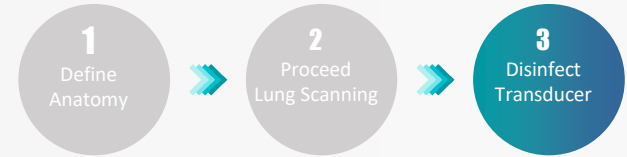
**CaviWipes
(Metrex)**



**Sani-Cloth AF3
(NICE PAK)**

How to disinfect

High-level disinfection



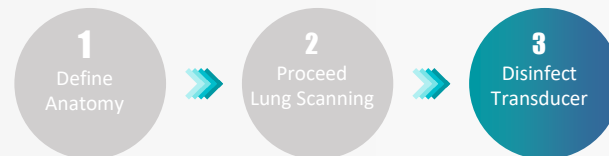
How to High-level disinfect

1. Wear **sterile gloves** to prevent infection.
2. Clean the transducer before disinfecting it.
 - Refer to the instruction provided by disinfection method by manufacturer.
 - **Immerse** the transducer into the **disinfectant solution** for the shortest time the manufacturer recommended.
 - Following regulations when selecting and using the disinfectant.
3. **Rinse the transducer** with plenty of **sterile water** to remove all chemical residues on it.
4. **Wipe off the water** on the transducer with sterile cloth or gauze after rinsing it. **Do not dry the transducer by heating.**



Disinfect Transducer

High-level disinfection



List of High Level Disinfectant products for SP1-5T

Cidex (Johnson and Johnson)	Wavicide-01 (Medical chemical Corp.)	Tristel Duo (Trisetel Solutions)
Cidex OPA (Johnson and Johnson)	AIDAL PLUS (Whiteley Medical)	Metricide OPA plus (Metrex)
Cidex Plus (Johnson and Johnson)	Metricide 14 (Metrex)	Metricide (Metrex)
Virkon (Dupont)	Sporicidin (CONTEC)	Revital-Ox RESERT (STERIS)
Sporox II (CONTEC)		