Noninvasive Lung Fluid Detection
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Technology Overview

- One or more sound sensors acquire lung sound
- Signal processing techniques extract unique features and recognize presence of fluid
- Noninvasive, fast (a few seconds) and easy to operate
- Pre-trial results: > 92% sensitivity and specificity (47 patients)
- 1 Patent filed
- Clinical Partner: Tan Tock Seng Hospital

Potential Applications

- Home based monitoring (patients with history of congestive heart failure, shortness of breath)
- Hospital based monitoring (Emergency, Cardiac, Internal Medicine wards)