The 21st Century Stethoscope: Point of Care Ultrasound

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Stethoscope

- Heart sounds
- Valve disorders
- Tamponade
- Lung sounds
  - Bilateral breath sounds
  - Pneumothorax
- Gastric tube placement

69 year old woman presenting for emergent exploratory laparotomy. The patient is obtunded, RR 19, HR 102, BP 90/61.
“In emergency non-cardiac surgery, a pre-operative-focused TTE examination may significantly alter diagnosis and management.”

“The cardiac diagnosis was changed in 67% and the management plan in 44% of patients after echocardiography.”

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A 27 year old, otherwise healthy CA-1 is attempting an intubation on Monday July 2nd 2018.

• Transtracheal ultrasonography’s pooled sensitivity and specificity with 95% confidence intervals (CIs) were 0.98 (95% CI 0.97 to 0.99) and 0.98 (95% CI 0.95 to 0.99), respectively. In emergency scenarios, transtracheal ultrasonography showed an aggregate sensitivity and specificity of 0.98 (95% CI 0.97 to 0.99) and 0.94 (95% CI 0.86 to 0.98), respectively.

A 62 year old woman with a history of progressive dementia and gallstone pancreatitis presents for laparoscopic cholecystectomy.
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Questions?