



# Introductory Emergency US

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Emergency Ultrasound Course

# Goals of this course

- Understand the basics of ED ultrasound
- Understand its limitations
- Learn how to scan for AAA, EFAST and procedural guidance

**EDUS: what's the point?**

# Why AAA?

- Clinical assessment can mislead
- Life threatening condition mimics a benign one
- Scan takes 2 minutes

# Why EFAST?

Tension PTX

Tamponade

Bleeding into belly

**Takes 2 minutes**

# Why procedural?

Remember being a junior at 2am?



Is that a vein or a tendon?

# At the end of today, you'll be able to:

- Turn on & use an US machine
- Find free fluid in the chest or abdomen
- Diagnose pneumothorax
- Diagnose AAA
- Stick a needle in a vessel with US

**But you won't be...**

An ace

A sonographer

Credentialed



**So: the golden rules**

**Clinical context is paramount.**

Make a differential diagnosis list **before** you switch on the machine.

**Only ask questions you can answer.**

Leave the fancy stuff to others.

**Repeat scans are crucial.**

Every time the clinical picture changes.

90% = 100%

Every test has its limitations.

If this bothers you, don't practise critical care.

**When in doubt, be a doctor.**

You were a clinician before you were a sonographer. If the clinical picture & scan findings don't agree, **believe the clinical picture**

‘What would I diagnose if I didn't have an US machine?’

ultrasound.

