

## Ultrasound in Acute Care- Recommended Reading

### GENERAL TEXTS:

1. Whole Body Ultrasound in the Critically Ill, by Daniel Lichtenstein  
<https://link.springer.com/book/10.1007/978-3-642-05328-3> - one of the first books on the subject (and remains one of the best)
2. Critical Care Ultrasound (ed: Philip Lumb)  
<https://www.elsevier.com/books/critical-care-ultrasound/lumb/978-1-4557-5357-4> . A comprehensive textbook covering almost every aspect of ultrasound in the acutely unwell.
3. Focused Intensive Care Ultrasound (editors: Marcus Peck, Peter MacNaughton) <https://global.oup.com/academic/product/focused-intensive-care-ultrasound-9780198749080?cc=gb&lang=en&> - covering the UK Focused Ultrasound in Intensive Care Curriculum, this is an excellent piece covering basic and advanced stuff alike.
4. Basic Transoesophageal and critical care ultrasound (editors: Denault et al <https://www.crcpress.com/Basic-Transesophageal-and-Critical-Care-Ultrasound/Denault-Vegas-Lamarche-Tardif-Couture/p/book/9781482237122> ) - despite its title this book is not basic! It covers ultrasound in the acutely unwell patient in incredible depths, with lots of great videos too.
5. Bedside ultrasound- a primer for Clinical Integration, by Philippe Rola (<https://www.amazon.com/Bedside-Ultrasound-Primer-Clinical-Integration/dp/0986601055>) - an ultrasound textbook written by a bedside clinician for bedside clinicians. Fantastic work by Phil.
6. Ultrasound for the generalist- a guide to point of care imaging Published by Cambridge University Press. Available to order <https://www.generalistultrasound.com> I have read the book and this is worth reading before you come

### GENERAL WEBSITES:

1. Western Sono (Westernsono.ca)- Point of Care Ultrasound education from the critical care team at Western University, London, Ontario, Canada. A fantastic collection of tutorials and cases.
2. 5 minute Sono (<http://5minsono.com>)- Jacob Avila's collection of 5 minute ultrasound technique tutorials.  
Ultrasound Podcast (<http://www.ultrasoundpodcast.com>)- Led by Matt Dawson, Mike Mullen, and Jacob Avila, this is worth subscribing to- great learning with each cast.
3. Thinking Critical Care (<https://thinkingcriticalcare.com>)- Philippe Rola's website for lots of musings on basic to advanced POCUS.
4. Zedu Ultrasound ([www.ultrasoundtraining.com.au](http://www.ultrasoundtraining.com.au))- Focused on ultrasound training, the team here also have a fab collection of free educational resources.
5. ICM Teaching (<http://icmteaching.com>)- Website helmed by Ashley Miller, co-lead of FUSIC UK, and the first UK doctor to be specifically accredited in critical care echocardiography. Brilliant breakdowns of echo and lung ultrasound in the acutely ill.

6. Mexican critical care ultrasound Association ([https://www.youtube.com/channel/UCFU4W3GOUv6tTw3E9qM1\\_qg](https://www.youtube.com/channel/UCFU4W3GOUv6tTw3E9qM1_qg)) - A truly fantastic youtube channel containing video lectures covering various aspects of basic and advanced critical care ultrasound. Superb.
7. Critical Care Northampton (<https://criticalcarenorthampton.com>)- website helmed by Jonny Wilkinson, FUSIC committee member and POCUS educator. Full of amazing videos, lectures, and infographics.
8. Alberta ABACCUS (<https://sites.google.com/ualberta.ca/criticalcareultrasound/focused-echocardiography?authuser=0>)- Point of Care Ultrasound education from Brian Buchanan and the team at Alberta, Canada.
9. EchoPraxis (<https://echopraxis.com>): A website containing fantastic ultrasound education from some friends down Under.
10. <https://www.generalistultrasound.com> This is the new one and Dr Sarb Clare/Chris Duncan wrote a book "Ultrasound for the Generalist"

#### ECHOCARDIOGRAPHY:

1. British Society of Echocardiography (<https://www.bsecho.org>) - the UK lead body for echocardiography training and accreditation.
2. The European Association of Cardiovascular Imaging (<https://www.escardio.org/EACVI>)- the European lead body for echocardiography training and accreditation
3. Acute and Critical Care Echocardiography (Editors: Colebourn and Newton)- available here <https://oxfordmedicine.com/view/10.1093/med/9780198757160.001.001/med-9780198757160> - a definitive textbook on critical care echocardiography
4. Oxford Textbook of advanced critical care echocardiography (Coming soon- available here <https://global.oup.com/academic/product/oxford-textbook-of-advanced-critical-care-echocardiography-9780198749288?cc=gb&lang=en&#>) - a soon to be released textbook of advanced critical care echocardiography, with Australian experts as faculty.
5. [Advancedcriticalcareecho.org](http://Advancedcriticalcareecho.org)- a fantastic resource on critical care echocardiography from the USA.
6. South London Intensive Care Echocardiography (<https://www.criticalcareecho.com>)- a wonderful resource from London, containing videos and protocols. They also run great courses!
7. Foundations of echocardiography (<https://www.youtube.com/channel/UC9UuKIAL2ruEq7b6kPWLq4w>)- Run by Richard Fisher, Intensivist and specialist in Critical Care Echocardiography, this video resource covers advanced and focused echocardiography.
8. Intensive Care Education and Training, the Nepean Hospital (<https://www.icetnepean.org>)- possibly the best critical care echo educational resource in the world, run by our colleagues in Australia.
9. Utah Division of Perioperative Echocardiography (<https://echo.anesthesia.med.utah.edu>)- another fabulous resource from

America, covering critical and perioperative transthoracic and transoesophageal echocardiography.

#### LUNG ULTRASOUND:

1. Recorded lectures from Daniel Lichtenstein (<https://www.criticalcare-sonography.com/2017/03/08/dr-lichtenstein-whole-body-ultrasound/>)- The man himself discusses the BLUE protocol.
2. Kollpainter- the BLUE protocol (<https://www.pocus.org/resources/the-blue-protocol-bedside-lung-ultrasound-in-an-emergency-12-10-19/>) - a brilliant summary from an American lung ultrasound aficionado.
3. BLUE team- how to (<https://www.youtube.com/watch?v=Rrt5hOD5dKw>)- the BLUE team, led by Kylie Baker, published a great article on the use of lung ultrasound in emergency medicine. Their youtube channel contains a ton of excellent resources including this video.
4. E-learning for health ICE-BLU (<https://www.e-lfh.org.uk/programmes/icu-echoultrasound/>)- E-learning on Intensive Care Echocardiography and Basic Lung Ultrasound courtesy of the UK Intensive Care Society.

#### ABDOMINAL ULTRASOUND:

1. Nephropocus ([www.nephropocus.com](http://www.nephropocus.com))- point of care ultrasound aimed at nephrologists, which covers a huge amount of whole body ultrasound.
2. [www.Gastricultrasound.org](http://www.Gastricultrasound.org)- all the resources on gastric ultrasound from the experts who wrote the original papers.
3. ICU Sonography- abdominal (<https://criticalecho.com/tutorial-14-abdominal-ultrasound>)- a great summary of abdominal ultrasound in the critically ill.

#### VASCULAR ULTRASOUND:

- Critical Care Mexico Group- Vascular access (<https://youtu.be/QIRjzBI9aF0>)- an excellent video lecture from Massimo Lamperti.
- Kylie Baker- tricks and traps in ultrasound guided vascular access (<https://youtu.be/xBD0uUxBsw>) - A highly recommended video going over ways to optimise vascular access success.

#### 1. REGIONAL ANAESTHESIA

Highland Ultrasound (<http://highlandultrasound.com>)- a wonderful guide to regional anaesthesia in the emergency setting.

#### MISCELLANEOUS:

1. Resuscitative TEE (<https://www.resuscitativetee.com>)- Trans(o)esophageal Echocardiography is potentially the future of advanced resuscitation- learn more here.
2. HOCUS POCUS (<https://www.hocuspocus.org.uk>)- an online resource allowing remote review of ultrasound cases for accreditation.

3. The POCUS Atlas (<http://www.thepocusatlas.com>)- a free online resource of POCUS images.
4. Toronto online TTE/TOE simulator (<http://pie.med.utoronto.ca>)- a great online simulator for learning echocardiography.
5. ICS FUSIC Website  
([https://ics.ac.uk/ICS/FUSIC/ICS/FUSIC/FUSIC\\_Accreditation.aspx?hkey=c88fa5cd-5c3f-4c22-b007-53e01a523ce8](https://ics.ac.uk/ICS/FUSIC/ICS/FUSIC/FUSIC_Accreditation.aspx?hkey=c88fa5cd-5c3f-4c22-b007-53e01a523ce8))- the website for the UK ICU accreditation in Ultrasound.  
European Diploma in advanced EchoCardiography website  
(<https://www.esicm.org/education/edec-2/>)- the ESICM accreditation in advanced echocardiography, covering TTE and TOE.

KEY PAPERS:

<https://www.advancedcriticalcareecho.org/reading-list> - a pretty comprehensive collection of all the relevant papers in critical care ultrasound (up to late 2019)