## MPHY0018: Ultrasound in Medicine: Ben Cox



Cobbold, Richard S. C., Foundations of Biomedical Ultrasound (Oxford University Press, 2007)

Cox, Ben, and Paul Beard, 'Imaging Techniques: Super-Resolution Ultrasound', Nature, 527.7579 (2015), pp. 451–52, doi:10.1038/527451a

Haar, Gail ter, 'Acoustic Surgery', Physics Today, 54.12 (2001), pp. 29–34, doi:10.1063/1.1445545

Halliwell, M, 'A Tutorial on Ultrasonic Physics and Imaging Techniques', Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 224.2 (2010), pp. 127–42, doi:10.1243/09544119JEIM656

Hoskins, Peter R., Kevin Martin, and Abigail Thrush (eds), Diagnostic Ultrasound: Physics and Equipment, 2nd ed (Cambridge University Press, 2010) <a href="http://dx.doi.org/10.1017/CBO9780511750885">http://dx.doi.org/10.1017/CBO9780511750885</a>>

How Ultrasound Works, 5 AD <a href="https://www.youtube.com/watch?v=I1Bdp2tMFsY">https://www.youtube.com/watch?v=I1Bdp2tMFsY</a>

Kinsler, Lawrence E., Fundamentals of Acoustics, 3rd ed (Wiley, 1982)

LEIGHTON, Timothy, 'What Is Ultrasound?', Progress in Biophysics and Molecular Biology, 93.1–3 (2007), pp. 3–83, doi:10.1016/j.pbiomolbio.2006.07.026

O'Brien, William D., and Floyd Dunn, 'An Early History of High-Intensity Focused Ultrasound', Physics Today, 68.10 (2015), pp. 40–45, doi:10.1063/PT.3.2947

'Obstetric Ultrasound -- a Comprehensive Guide to Ultrasound Scans in Pregnancy', n.d. <a href="http://www.ob-ultrasound.net/">http://www.ob-ultrasound.net/</a>

Pierce, Allan D., Acoustics: An Introduction to Its Physical Principles and Applications, 1989 ed (Acoustical Society of America, 1989)

Szabo, Thomas L., Diagnostic Ultrasound Imaging: Inside Out (Elsevier Academic Press, 2004), Academic Press series in biomedical engineering

Texas Instruments: Signal Processing Overview of Ultrasound Systems for Medical Imaging, n.d. <a href="http://www.ti.com/lit/wp/sprab12/sprab12.pdf">http://www.ti.com/lit/wp/sprab12/sprab12.pdf</a>>

The Journal of the Acoustical Society of America, n.d. <a href="http://scitation.aip.org/content/asa/journal/jasa/browse">http://scitation.aip.org/content/asa/journal/jasa/browse</a>

Ultrasonics - Journal, n.d. <a href="http://www.journals.elsevier.com/ultrasonics/">http://www.journals.elsevier.com/ultrasonics/</a>

Ultrasound in Medicine and Biology - Journal, n.d. <a href="http://www.journals.elsevier.com/ultrasound-in-medicine-and-biology/">http://www.journals.elsevier.com/ultrasound-in-medicine-and-biology/</a>

Verweij, M.D., and others, 'Simulation of Ultrasound Fields', in Comprehensive Biomedical Physics (Elsevier, 2014), pp. 465–500

<a href="https://contentstore.cla.co.uk/secure/link?id=dd303ece-5636-e711-80c9-005056af4099">https://contentstore.cla.co.uk/secure/link?id=dd303ece-5636-e711-80c9-005056af4099></a>

Wells, P N T, 'Ultrasound Imaging', Physics in Medicine and Biology, 51.13 (2006), pp. R83–98, doi:10.1088/0031-9155/51/13/R06

What Is Medical Ultrasound?, 9 AD <a href="https://www.youtube.com/watch?v=KwsvDQhOpeU">https://www.youtube.com/watch?v=KwsvDQhOpeU>