

MPHY0018: Ultrasound in Medicine: Ben Cox

[View Online](#)

Cobbold, Richard S. C. 2007. *Foundations of Biomedical Ultrasound*. Oxford: Oxford University Press.

Cox, Ben, and Paul Beard. 2015. 'Imaging Techniques: Super-Resolution Ultrasound'. *Nature* 527 (7579): 451–52. <https://doi.org/10.1038/527451a>.

Haar, Gail ter. 2001. 'Acoustic Surgery'. *Physics Today* 54 (12): 29–34. <https://doi.org/10.1063/1.1445545>.

Halliwell, M. 2010. 'A Tutorial on Ultrasonic Physics and Imaging Techniques'. *Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine* 224 (2): 127–42. <https://doi.org/10.1243/09544119JEM656>.

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

'How Ultrasound Works'. 5AD. <https://www.youtube.com/watch?v=l1Bdp2tMFsY>.

Kinsler, Lawrence E. 1982. *Fundamentals of Acoustics*. 3rd ed. New York: Wiley.

LEIGHTON, Timothy. 2007. 'What Is Ultrasound?' *Progress in Biophysics and Molecular Biology* 93 (1–3): 3–83. <https://doi.org/10.1016/j.pbiomolbio.2006.07.026>.

O'Brien, William D., and Floyd Dunn. 2015. 'An Early History of High-Intensity Focused Ultrasound'. *Physics Today* 68 (10): 40–45. <https://doi.org/10.1063/PT.3.2947>.

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

Pierce, Allan D. 1989. *Acoustics: An Introduction to Its Physical Principles and Applications*. 1989 ed. Woodbury, N.Y.: Acoustical Society of America.

Szabo, Thomas L. 2004. *Diagnostic Ultrasound Imaging: Inside Out*. Vol. Academic Press series in biomedical engineering. Boston, Mass: Elsevier Academic Press.

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

'The Journal of the Acoustical Society of America'. n.d. <http://scitation.aip.org/content/asa/journal/jasa/browse>.

'Ultrasonics - Journal'. n.d. <http://www.journals.elsevier.com/ultrasonics/>.

'Ultrasound in Medicine and Biology - Journal'. n.d.
<http://www.journals.elsevier.com/ultrasound-in-medicine-and-biology/>.

Verweij, M.D., B.E. Treeby, K.W.A. van Dongen, and L. Demi. 2014. 'Simulation of Ultrasound Fields'. In Comprehensive Biomedical Physics, 465–500. Elsevier.
<https://contentstore.cla.co.uk/secure/link?id=dd303ece-5636-e711-80c9-005056af4099>.

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

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