

MPHY0018: Ultrasound in Medicine: Ben Cox

[View Online](#)

Anon. 5AD. 'How Ultrasound Works'.

Anon. 9AD. 'What Is Medical Ultrasound?'

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

Anon. n.d.-b. 'Texas Instruments: Signal Processing Overview of Ultrasound Systems for Medical Imaging'.

Anon. n.d.-c. 'The Journal of the Acoustical Society of America'.

Anon. n.d.-d. 'Ultrasonics - Journal'.

Anon. n.d.-e. 'Ultrasound in Medicine and Biology - Journal'.

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. doi: 10.1038/527451a.

ter Haar, Gail. 2001. 'Acoustic Surgery'. Physics Today 54(12):29–34. doi: 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. doi: 10.1243/09544119JEIM656.

Hoskins, Peter R., Kevin Martin, and Abigail Thrush, eds. 2010. Diagnostic Ultrasound: Physics and Equipment. 2nd ed. Cambridge: Cambridge University Press.

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. doi: 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. doi: 10.1063/PT.3.2947.

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.

Verweij, M. D., B. E. Treeby, K. W. A. van Dongen, and L. Demi. 2014. 'Simulation of Ultrasound Fields'. Pp. 465–500 in Comprehensive Biomedical Physics. Elsevier.

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