

# MPHY0018: Ultrasound in Medicine: Ben Cox

[View Online](#)

---

[1]

Cobbold, R.S.C. 2007. Foundations of biomedical ultrasound. Oxford University Press.

[2]

Cox, B. and Beard, P. 2015. Imaging techniques: Super-resolution ultrasound. *Nature*. 527, 7579 (Nov. 2015), 451–452. DOI:<https://doi.org/10.1038/527451a>.

[3]

ter Haar, G. 2001. Acoustic surgery. *Physics Today*. 54, 12 (Dec. 2001), 29–34. DOI:<https://doi.org/10.1063/1.1445545>.

[4]

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 (Feb. 2010), 127–142. DOI:<https://doi.org/10.1243/09544119JEM656>.

[5]

Hoskins, P.R. et al. eds. 2010. *Diagnostic Ultrasound: Physics and Equipment*. Cambridge University Press.

[6]

Kinsler, L.E. 1982. *Fundamentals of acoustics*. Wiley.

[7]

LEIGHTON, T. 2007. What is ultrasound? Progress in Biophysics and Molecular Biology. 93, 1–3 (Jan. 2007), 3–83. DOI:<https://doi.org/10.1016/j.pbiomolbio.2006.07.026>.

[8]

O'Brien, W.D. and Dunn, F. 2015. An early history of high-intensity focused ultrasound. Physics Today. 68, 10 (Oct. 2015), 40–45. DOI:<https://doi.org/10.1063/PT.3.2947>.

[9]

Obstetric ultrasound -- a comprehensive guide to ultrasound scans in pregnancy:  
<http://www.ob-ultrasound.net/>.

[10]

Pierce, A.D. 1989. Acoustics: an introduction to its physical principles and applications. Acoustical Society of America.

[11]

Szabo, T.L. 2004. Diagnostic ultrasound imaging: inside out. Elsevier Academic Press.

[12]

Verweij, M.D. et al. 2014. Simulation of Ultrasound Fields. Comprehensive Biomedical Physics. Elsevier. 465–500.

[13]

Wells, P.N.T. 2006. Ultrasound imaging. Physics in Medicine and Biology. 51, 13 (Jul. 2006), R83–R98. DOI:<https://doi.org/10.1088/0031-9155/51/13/R06>.

[14]

5AD. How Ultrasound Works.

[15]

Texas Instruments: Signal Processing Overview of Ultrasound Systems for Medical Imaging.

[16]

The Journal of the Acoustical Society of America.

[17]

Ultrasonics - Journal.

[18]

Ultrasound in Medicine and Biology - Journal.

[19]

9AD. What is Medical Ultrasound?