

MPHY3900: Ultrasound in Medicine: Ben Cox

[View Online](#)

1.

Hoskins PR, Martin K, Thrush A, editors. Diagnostic Ultrasound: Physics and Equipment [Internet]. 2nd ed. Cambridge: Cambridge University Press; 2010. Available from: <http://dx.doi.org/10.1017/CBO9780511750885>

2.

What is Medical Ultrasound? [Internet]. 9AD. Available from: <https://www.youtube.com/watch?v=KwsvDQhOpeU>

3.

How Ultrasound Works [Internet]. 5AD. Available from: <https://www.youtube.com/watch?v=l1Bdp2tMFsY>

4.

O'Brien WD, Dunn F. An early history of high-intensity focused ultrasound. Physics Today. 2015 Oct 1;68(10):40–45.

5.

Verweij MD, Treeby BE, van Dongen KWA, Demi L. Simulation of Ultrasound Fields. Comprehensive Biomedical Physics [Internet]. Elsevier; 2014. p. 465–500. Available from: <https://contentstore.cla.co.uk/secure/link?id=dd303ece-5636-e711-80c9-005056af4099>

6.

ter Haar G. Acoustic surgery. *Physics Today*. 2001 Dec 1;54(12):29–34.

7.

Wells PNT. Ultrasound imaging. *Physics in Medicine and Biology*. 2006 Jul 7;51(13):R83–R98.

8.

LEIGHTON T. What is ultrasound? *Progress in Biophysics and Molecular Biology*. 2007 Jan;93(1–3):3–83.

9.

Cobbold RSC. *Foundations of biomedical ultrasound*. Oxford: Oxford University Press; 2007.

10.

Obstetric ultrasound -- a comprehensive guide to ultrasound scans in pregnancy [Internet]. Available from: <http://www.ob-ultrasound.net/>

11.

Halliwell M. A tutorial on ultrasonic physics and imaging techniques. *Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine*. 2010 Feb 1;224(2):127–142.

12.

Texas Instruments: Signal Processing Overview of Ultrasound Systems for Medical Imaging [Internet]. Available from: <http://www.ti.com/lit/wp/sprab12/sprab12.pdf>

13.

Kinsler LE. *Fundamentals of acoustics*. 3rd ed. New York: Wiley; 1982.

14.

Pierce AD. Acoustics: an introduction to its physical principles and applications. 1989 ed. Woodbury, N.Y.: Acoustical Society of America; 1989.

15.

Szabo TL. Diagnostic ultrasound imaging: inside out. Boston, Mass: Elsevier Academic Press; 2004.

16.

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

17.

Ultrasonics - Journal. Available from: <http://www.journals.elsevier.com/ultrasonics/>

18.

The Journal of the Acoustical Society of America. American Institute of Physics; Available from: <http://scitation.aip.org/content/asa/journal/jasa/browse>

19.

Cox B, Beard P. Imaging techniques: Super-resolution ultrasound. Nature. 2015 Nov 25;527(7579):451-452.