

The Physics and Technology of Diagnostic Ultrasound – A Practitioner's Guide

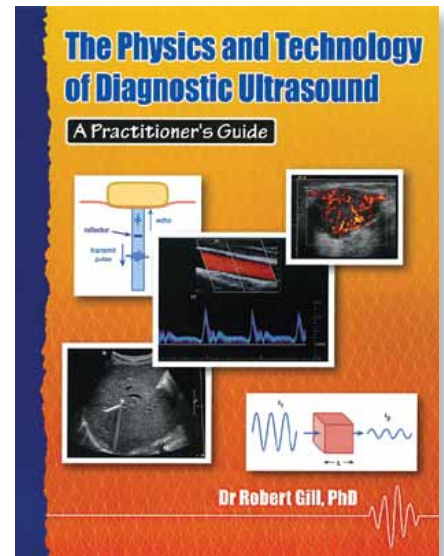
by **Dr Robert Gill, PhD**

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This excellent textbook has been written by Dr Robert Gill. Dr Gill is a physicist with a long and distinguished career in research and education in the field of ultrasound. A researcher with the famed Ultrasonics Institute in Sydney for many years, and later with the CSIRO, he has also been heavily involved in teaching the physics of ultrasound in Australia for many years.

This text comprehensively covers all aspects of the physics of ultrasound but it also addresses other issues dear to the heart of sonographers. He includes pertinent reminders to sonographers of our responsibilities to our patients and the need for a 'deep understanding of

the ultrasound physics and technology' to obtain the best ultrasound images at all times.

Dr Gill is able to cover the most complex concepts in a particularly accessible manner using language that is clear, concise and understandable. As an added bonus, the suggested activities reinforce the theory in an extremely practical way. Throughout the book key points are highlighted with a detailed explanation in the text. The diagrams are clear and simple and support the accompanying theory.

The focus of the book is clearly ultrasound physics, but it is presented

from a clinical point of view. By using excellent ultrasound images to demonstrate the theory in the text, he facilitates understanding of many aspects of ultrasound physics that may otherwise be difficult to grasp.

I loved this book and would highly recommend it to all students of ultrasound, but I would equally recommend it to those whose student days may be well behind them.

It is an invaluable resource for students, teachers and all users of ultrasound.

Faye Temple, GDU, AMS, Vic

'QUT has a great reputation and they have a lot of experience. The university hours also fit in very well with my full time work. There is a lot of flexibility.'

Heather Allen
QUT Medical Ultrasound student



Revolutionised medical ultrasound training

Queensland University of Technology has revolutionised its Graduate Diploma in Medical Ultrasound for commencing and continuing students in 2013.

The Graduate Diploma in Medical Ultrasound is now offered as a flexible two-year, part-time course that requires only three one-week, on-campus intensives.

This course is now more accessible to rural and regional Queenslanders, as well as interstate students seeking a nationally accredited sonography qualification.

Students will also benefit from access to new high-tech ultrasound simulators and online interactive resources.

More information

Visit www.qut.edu.au/study/graduate-diploma-in-medical-ultrasound