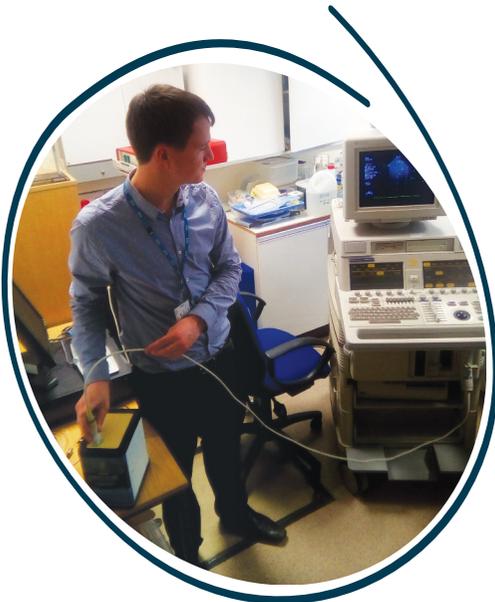


The Scientists

Medical physicists, clinical scientists and technologists provide scientific, safety, quality control and technical expertise on the use of ultrasound. They ensure the best quality images are achieved and provide advice on the purchase of new equipment. Some are at the forefront of research into new diagnostic applications, treatments and techniques for ultrasound. Some medical physicists are clinically trained and carry out scans on patients. Some clinical scientists who specialise in ultrasound play a crucial role in educating other healthcare professionals in its effective use.

Vascular scientists and technologists use ultrasound, along with other non-invasive techniques, to assess the blood flow of patients with arterial and venous diseases such as deep vein thrombosis, varicose veins and stroke. Their role includes interpreting ultrasound results, writing reports, and working alongside nurses, radiologists, consultants and surgeons to determine whether surgical intervention is necessary.



IPEM Institute of Physics and Engineering in Medicine

This series of leaflets highlights the science and the scientists behind some widely used medical techniques. They are produced by the Institute of Physics and Engineering in Medicine. To find out more about Medical Physics or Biomedical Engineering, or to request free leaflets or posters in this series, contact us:

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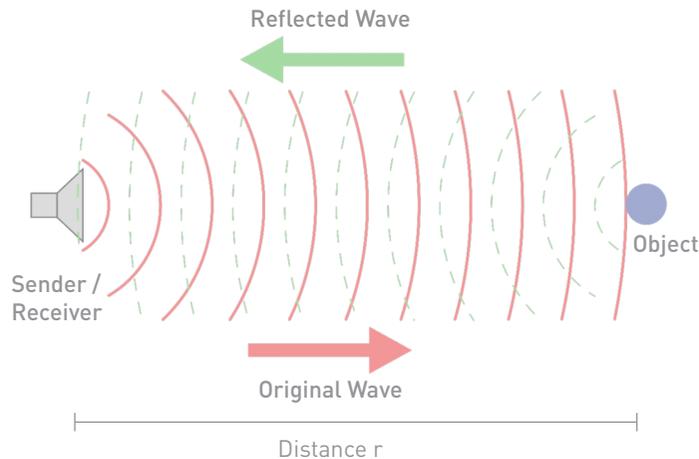
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The techniques described in this leaflet are only available in certain cases and some are not yet widely available. If you need an ultrasound, your doctor will advise on the best treatment for you. This leaflet was produced with the help of IPEM's Ultrasound & Non-Ionising Radiation Special Interest Group.
February 2017



IPEM

The Science & The Scientists

Seeing inside the body with ultrasound

Ultrasound has been described as the 'stethoscope of the future'. It's quick, safe, accessible and is applied across many areas of a hospital to produce images of the inside of the body.



