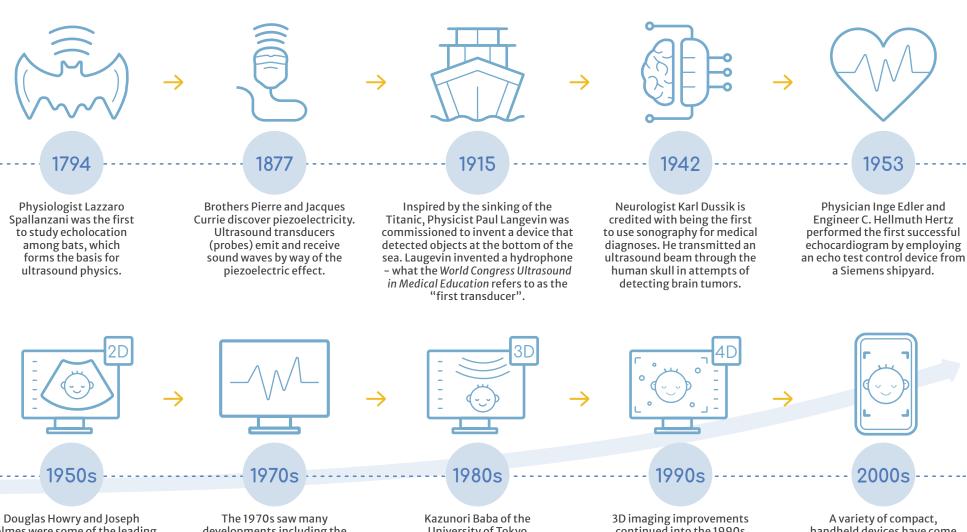


Road Map: The History of Ultrasound



Douglas Howry and Joseph
Holmes were some of the leading
pioneers of B-mode ultrasound
equipment, including the 2D
B-mode linear compound
scanner. John Reid and John Wild
invented a handheld B-mode
device to detect breast tumors.

developments including the continuous wave Doppler, spectral wave Doppler and color Doppler ultrasound instruments.

Kazunori Baba of the University of Tokyo developed 3D ultrasound technology and captured three-dimensional images of a fetus in 1986. 3D imaging improvements continued into the 1990s with the adoption of 4D (real time) capabilities.
Ultrasound guided biopsies (endoscopic ultrasounds) also began in the 1990s.

A variety of compact,
handheld devices have come
onto the market in recent
years. The iPhone now has a
telesonography app and NASA
has developed a virtual guidance
program for non-sonographers
to perform ultrasounds in space.