Low-Frequency Acoustics/ Ultrasonic Method for the Detection of Brain Injury

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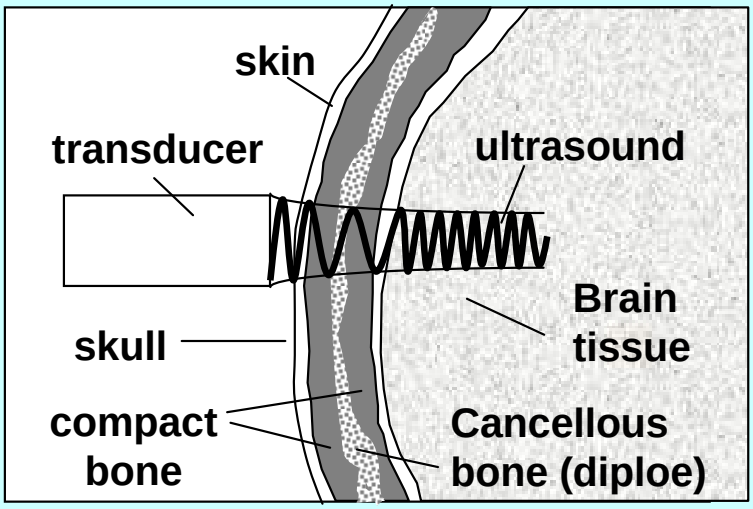
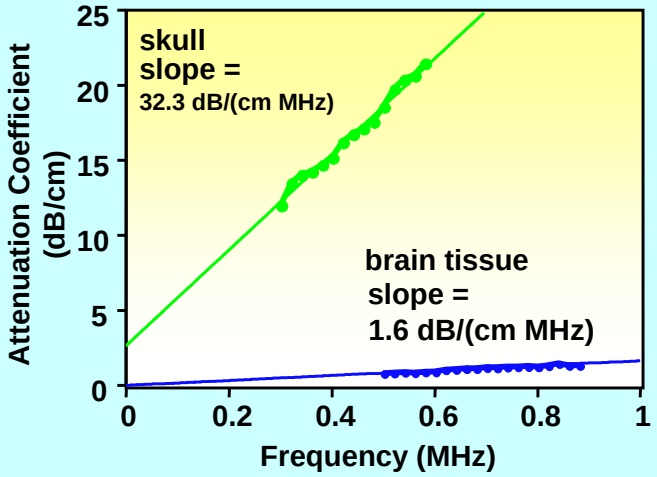
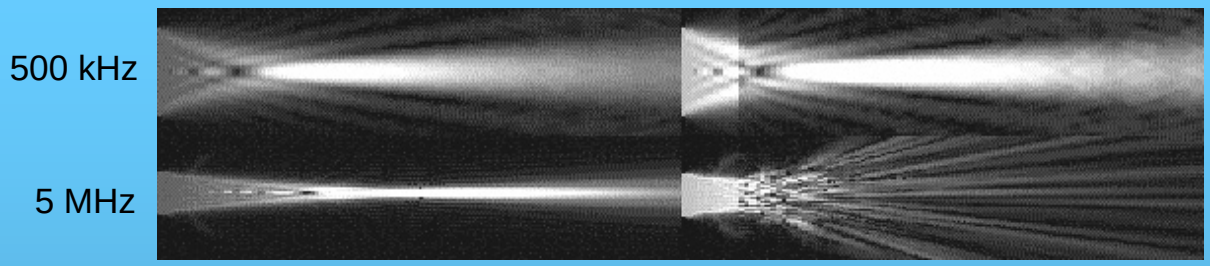
- Attenuation across the skull limits the use of ultrasound
- Lower frequencies can better penetrate the skull





Effects of Transcranial Propagation on Ultrasonic Fields: lower frequencies are less susceptible to aberrations



Researchers demonstrating the data collection process using the prototype ultrasonic brain injury detector

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