Basics and Current Implementations of Ultrasound Imaging of Shear Wave Speed and Elasticity

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Outline

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- Significance and principle
- Generation of shear waves
- Detection of shear waves
- Shear wave speed calculation
- Sources of bias and variation

























































Summary

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- Significance and principleGeneration of shear waves: mechanical, single beam, Supersonic, Comb
- Detection of shear waves: TAST
- Shear wave speed calculation: Time to peak, RANSAC, correlation
- Sources of bias and variation: viscosity, compression, boundary

