



# **SHEAR WAVE SPEED CLINICAL APPLICATIONS**

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## **CLINICAL APPLICATIONS SUBCOMMITTEE TASKS**

- **Determine the Most Promising Clinical Applications for SWS**
- **Identify Patient Populations Most Likely to Benefit AND Groups For Which Measurement Will Likely Not Be Valid**
- **Create A Standard Acquisition Approach That is Clinically Feasible With High R&R**
- **Identify Bias and Provide Proper Corrections**

## **CLINICAL APPLICATIONS** **ANOTHER TASK**

**Identify What Reference (“gold”)  
Standards to Use for In Vitro and Human  
Studies For Each Pathology and Organ  
System**

## **CLINICAL APPLICATIONS** **MEMBERSHIP**

- **Ultrasound is Used by Diverse Fields and So Also Will Be SWS**
- **Anticipate A Diverse Membership**
  - **Radiology**
  - **OB/GYN**
  - **Medicine (for example Endocrine, Nephrology etc.)**
  - **Surgery**
  - **Allied Health (for example PT)**

## **SWS AND FDA**

- **FDA (CDRH) Is in the Process of Modifying its Restrictions on Allowing Quantification on US Images**
- **Will Work With FDA Ultrasound Working Group on Methods and Potential Applications**
- **Goal: To Develop Agreed Upon System Tests to Speed Up the Clearance or Approval Process**