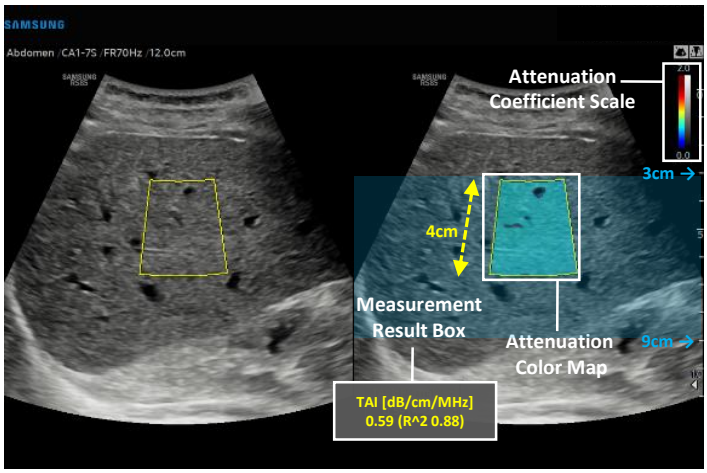
QUS (Quantitative ultrasound)

: TAI™ (Tissue Attenuation Imaging) provides quantitative tissue attenuation measurement and TSI™ (Tissue Scatter distribution Imaging) provides quantitative tissue scatter distribution measurement to assess steatotic liver changes.



Preparation

- Fast overnight before the examination.

Obtaining B-mode

- Acquire plane perpendicular to the right lobe.
- Scan the right intercostal space.

ROI Positioning

- Use the default size ROI of 2*4cm. *(The size, especially width of the ROI may change depending on the depth.)*
- ROI should be close to the center of the image.
- Position the ROI box within the area 3-9cm below the skin *(May vary depending on the body habitus.)*
- Reverberation artifact from the Glisson's capsule should be avoided.
- Avoid visibly large vessels if possible. *(Although the algorithm automatically excludes vessels.)*

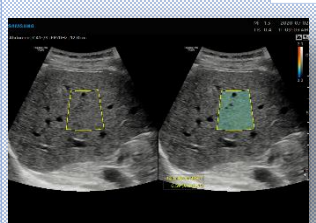
Measurement

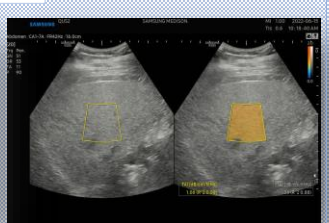
- Use result values with R^2 of 0.6 or higher.
- Obtain 5 results for each image.
- Quick transition between TSI and TAI is available with U/P keys.

  *(Assign "TAI/TSI Change" to one of the U/P keys *Setup > Customize > Button)*

Proper ROI of QUS

TAI





TSI