

INSIGHT THROUGH
IN VIVO IMAGING™

VISUALSONICS
FUJIFILM



High Frequency Ultrasound Imaging: Cardiac & Cancer Applications in Preclinical Research

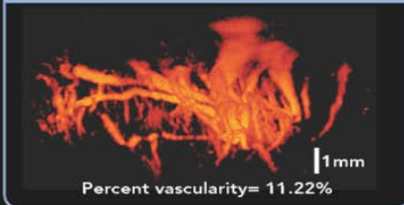


VISUALSONICS
a subsidiary of SonoSite

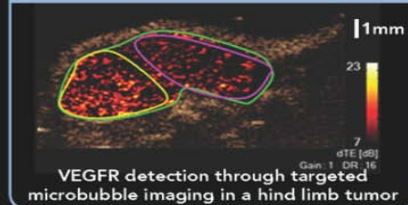
Visualizing Cancer:

In Vivo real-time molecular imaging of nanoparticles, dyes and contrast agents

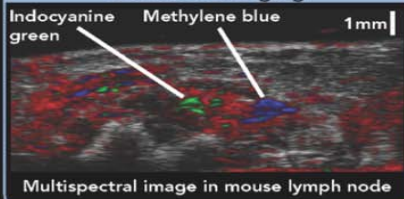
Visualize Angiogenesis



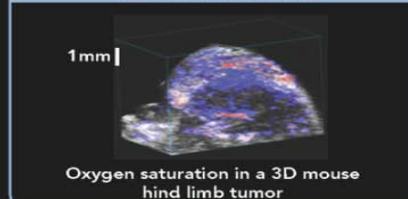
Biomarker Detection



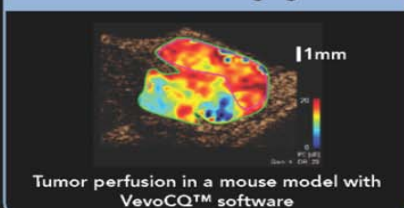
Nanoparticles and Molecular Imaging



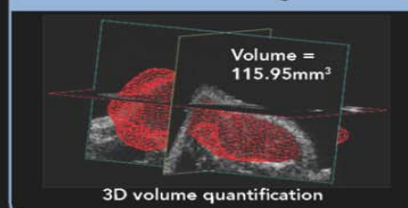
Hypoxia and Tumor Microenvironments



Contrast Imaging



Tumor Growth & Progression



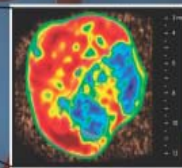
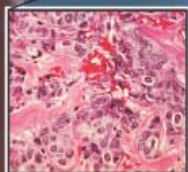
VISUALIZING CANCER

In vivo, longitudinal, real-time quantification



Metastasis
Sentinel lymph nodes

Hypoxia



Angiogenesis
Perfusion • Biomarkers

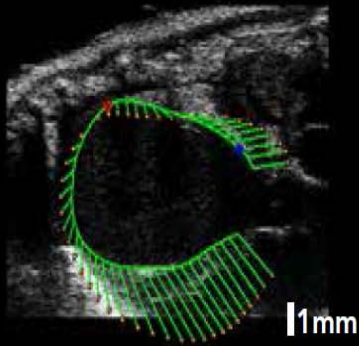
Cellular / molecular pathways
Nanoparticles
Drug delivery

Biopsy
Interventional procedures
Therapeutic administration



VISUALSONICS

Speckle tracking, myocardial motion and strain analysis software



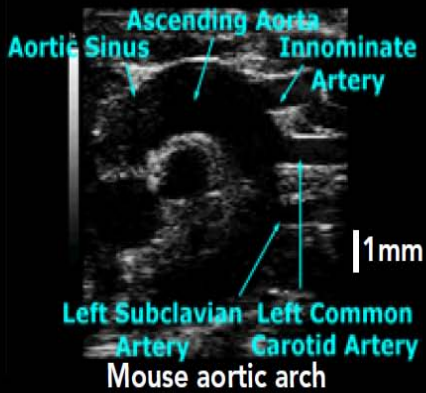
Speckle tracking in mouse left ventricle

Detection and visualization of blood flow



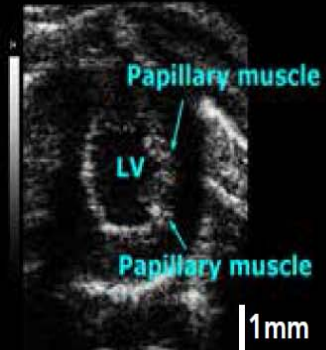
Mouse mitral flow

Superior sensitivity and resolution



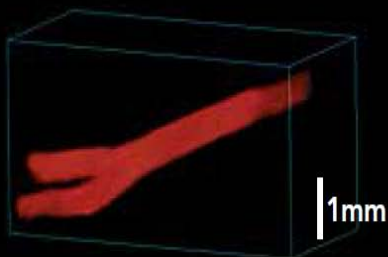
Mouse aortic arch

Faster and higher frame rates



Mouse left ventricle

3D functionality with ECG and respiration gating



Mouse carotid artery

