



Heriberto Nieves

Wahlen Award

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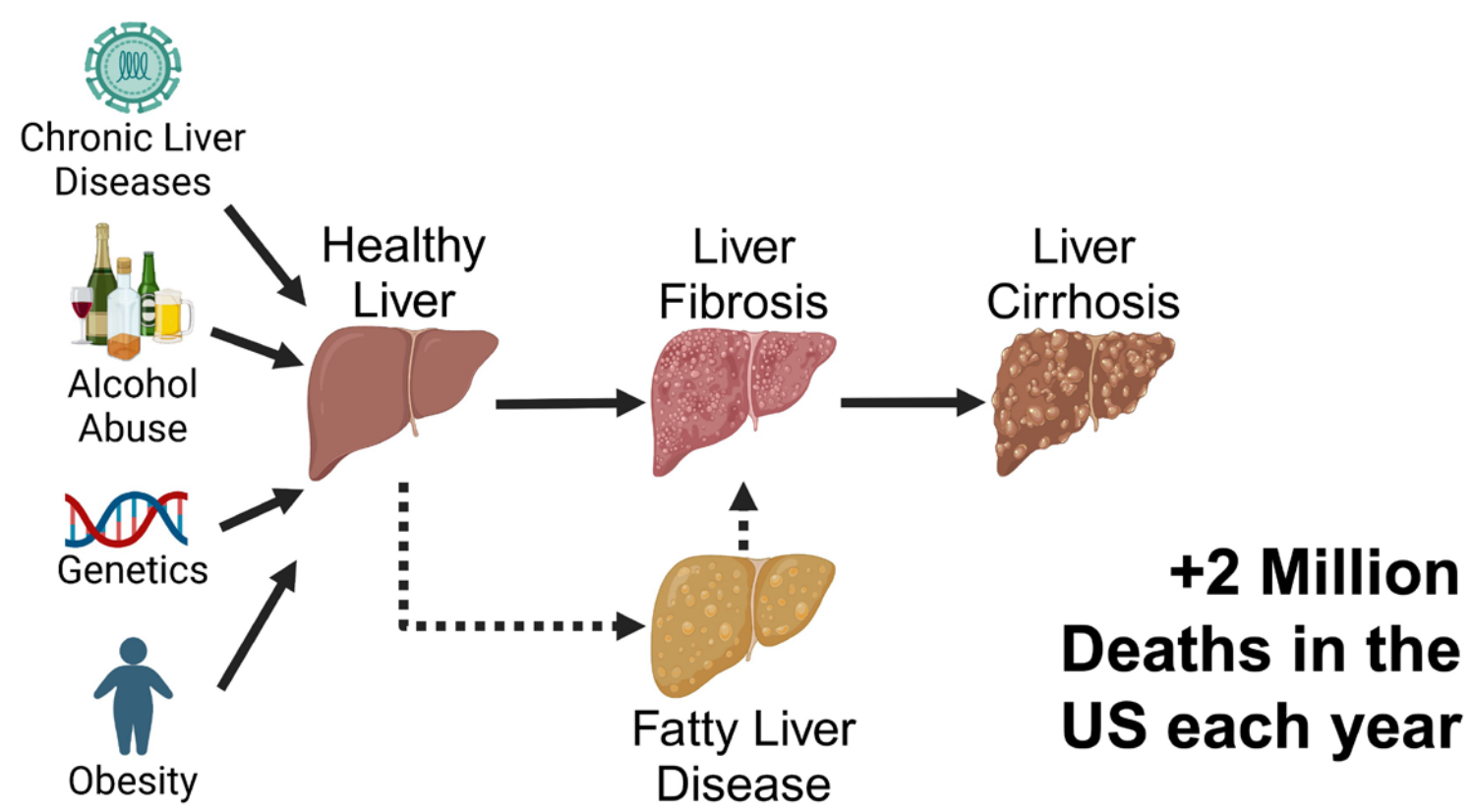
Georgia Tech



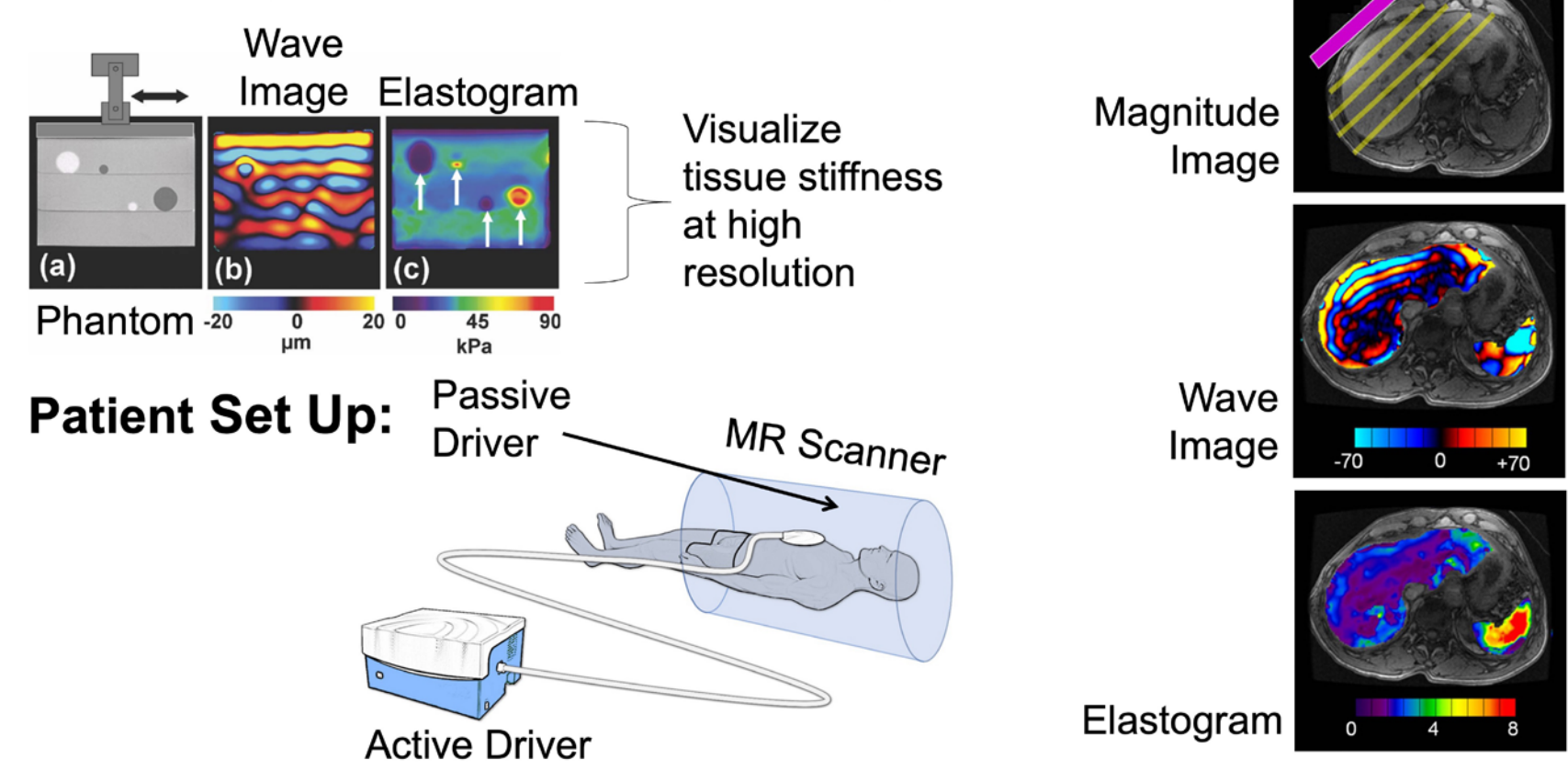
Automated Quality Control and Liver Stiffness Measurements of Magnetic Resonance Elastography using Deep Learning

Magnetic resonance elastography (MRE) is a key imaging technology for diagnosing liver fibrosis. This translational research improves the manual quality control and measurement processes by applying deep learning to perform real-time liver assessment and streamlining fibrosis diagnosis.

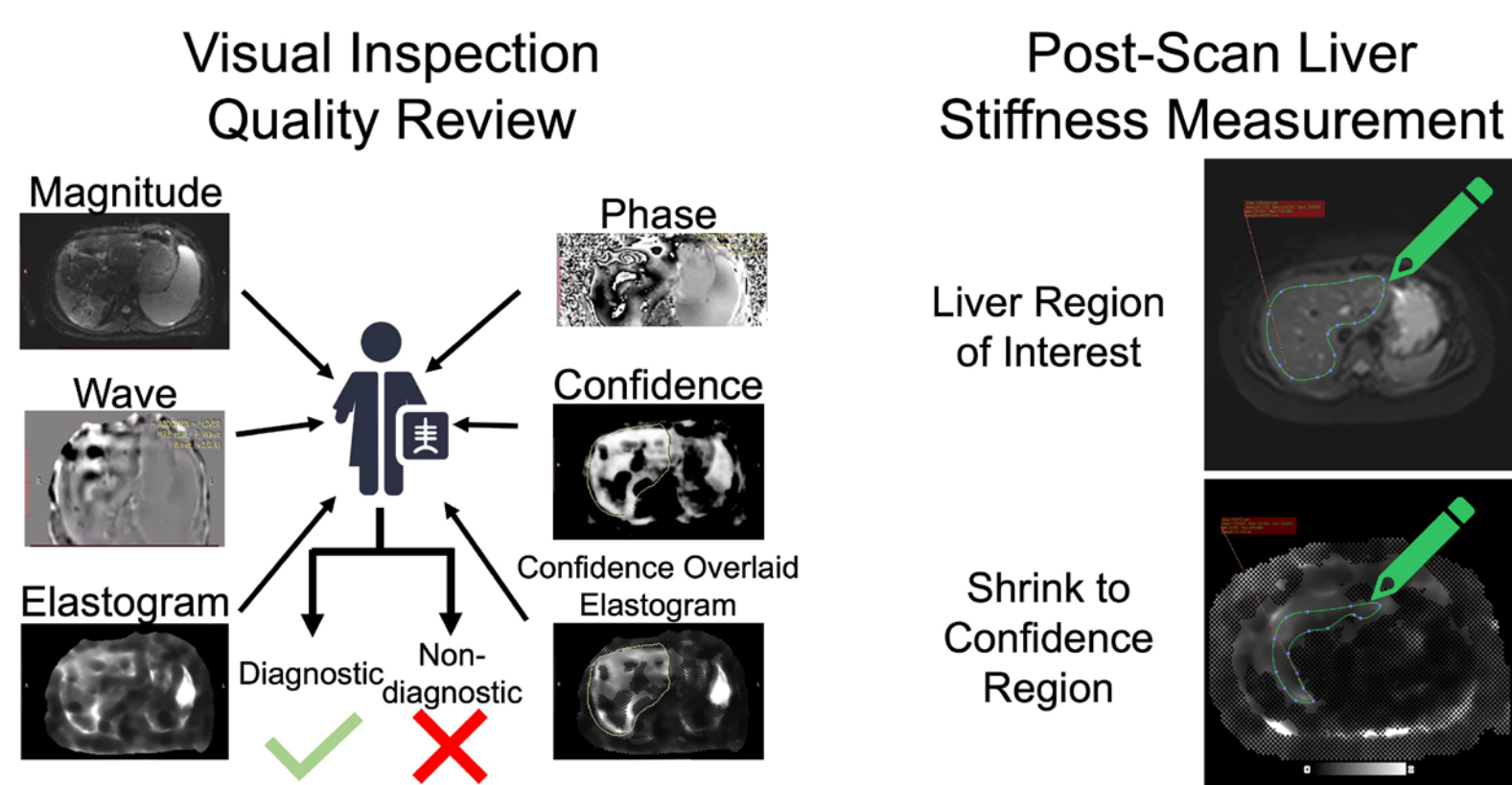
Importance of Diagnosing and Monitoring Liver Fibrosis



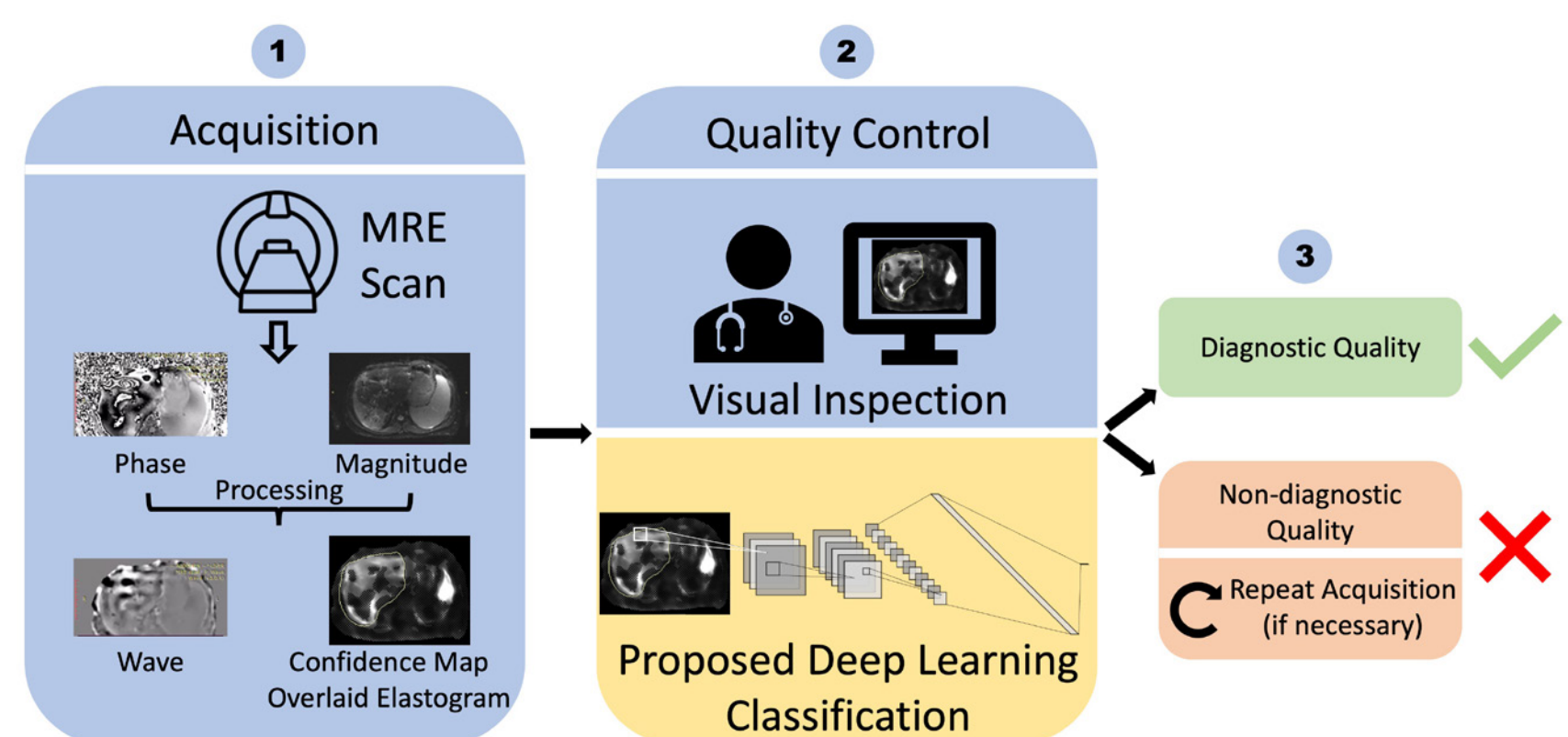
Magnetic Resonance Elastography (MRE): Capturing Tissue Stiffness To Diagnose Fibrosis



MRE Requires Time-Consuming Manual Processes



Deep Learning for Automating MRE Quality Review



Deep Learning for Liver Stiffness Measurement Automation

