

Bio Vista Diagnostics

Ultrasound Visualization and Diagnostic Platform

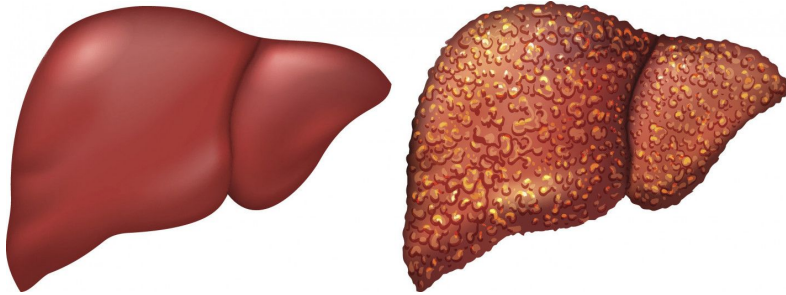
Disrupting Ultrasound Medical Imaging

Liver Disease – In Sri Lanka

- 2nd most common **cause of deaths**
- More than half of the adults in urban areas have **NAFLD**
- **Deaths increased** by 330% from 1980 to 2010
- Sri Lanka is one of the best lab benches
 - Increased awareness has brought Focus groups from leading Medical Faculties together
 - Location of Zone24x7 Advanced Research Centers in Engineering and ability to have access to medical professionals and patients who are willing to to partner/contribute in developing a solution



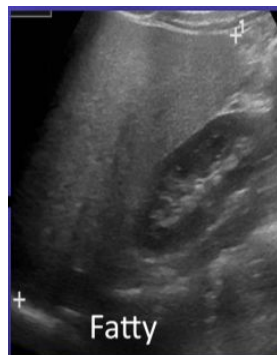
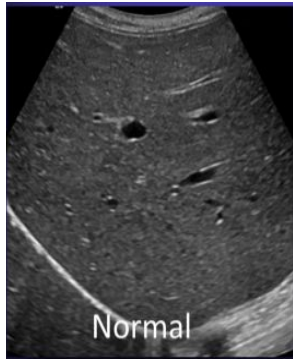
Importance of Ultrasound Imaging



Ultrasound is

- **non-invasive,**
- **no atomic radiation**

unlike X ray or CT scan
ultrasound is **Harmless**
and can be repeated
many times to observe
progress of recovery.



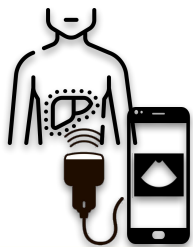
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Imagine the Transformation

Present



Future



Upload



Validate



Segment



Estimate volume



3D model
construction

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Social Impact



Nurses and midwives can be trained as sonographers



Easy access to medical records for specialists



Faster diagnosis/ resolving dilemmas



Ubiquity and high affordability can save lives of liver patients



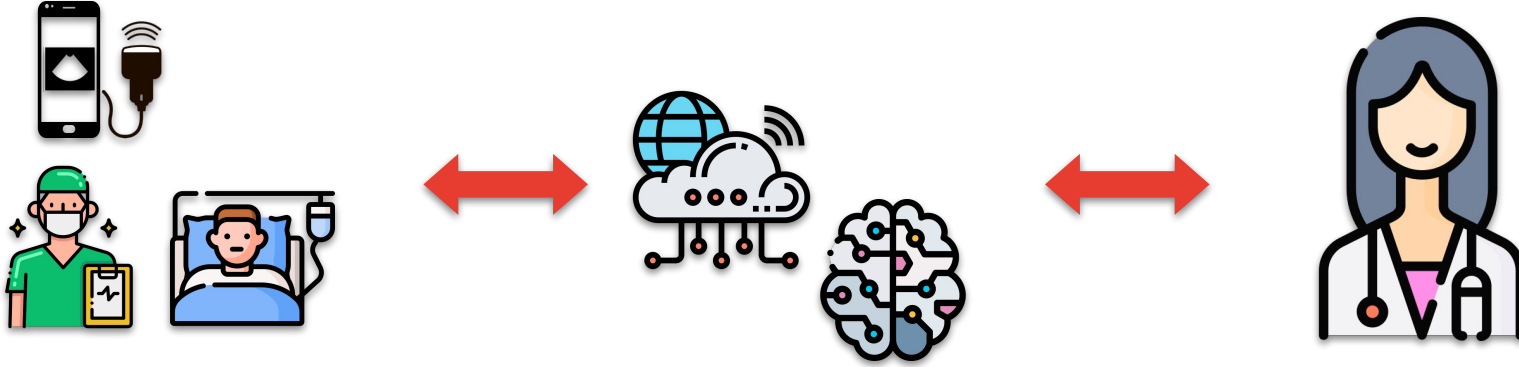
Advanced medical imaging for rural and under developed areas



Home diagnostics for chronic liver patients

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Ultrasound Visualization and Diagnostic Platform



Remote location

- Portable Ultrasound probe
- Mobile device/AI assist app
- Sonographer
- Patient

Cloud infrastructure & AI

- Storage
- AI processing
 - Volume estimation
 - Visualization aids

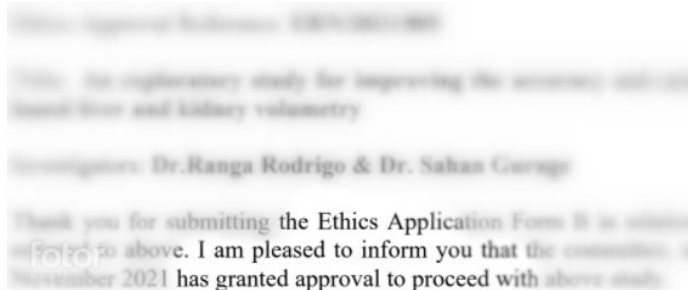
Specialist / Hospital Information System

- Dashboard
- Diagnosis by specialists

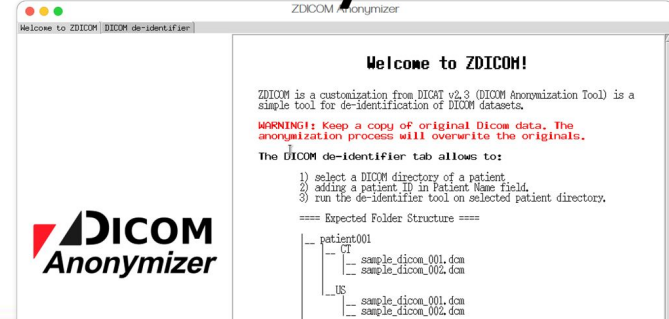
Medical Standards



Ethical Clearance



DICOM Anonymizer



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