Artificial Intelligence Solutions for Predicting Patient Outcomes

When Xen.AI Medical - Imaging solution is used for medical diagnostics analysis it can be a real benefit to health care providers since it's able to quickly analyze large amounts of information.

Industry
Health care and Medical

Business Needs
Medical diagnostic process requires trained professionals to review patient's medical history and symptoms and make a diagnosis based on their past experience and knowledge. The problem is, human providers, and their limited capacity for knowledge leave significant room for error.
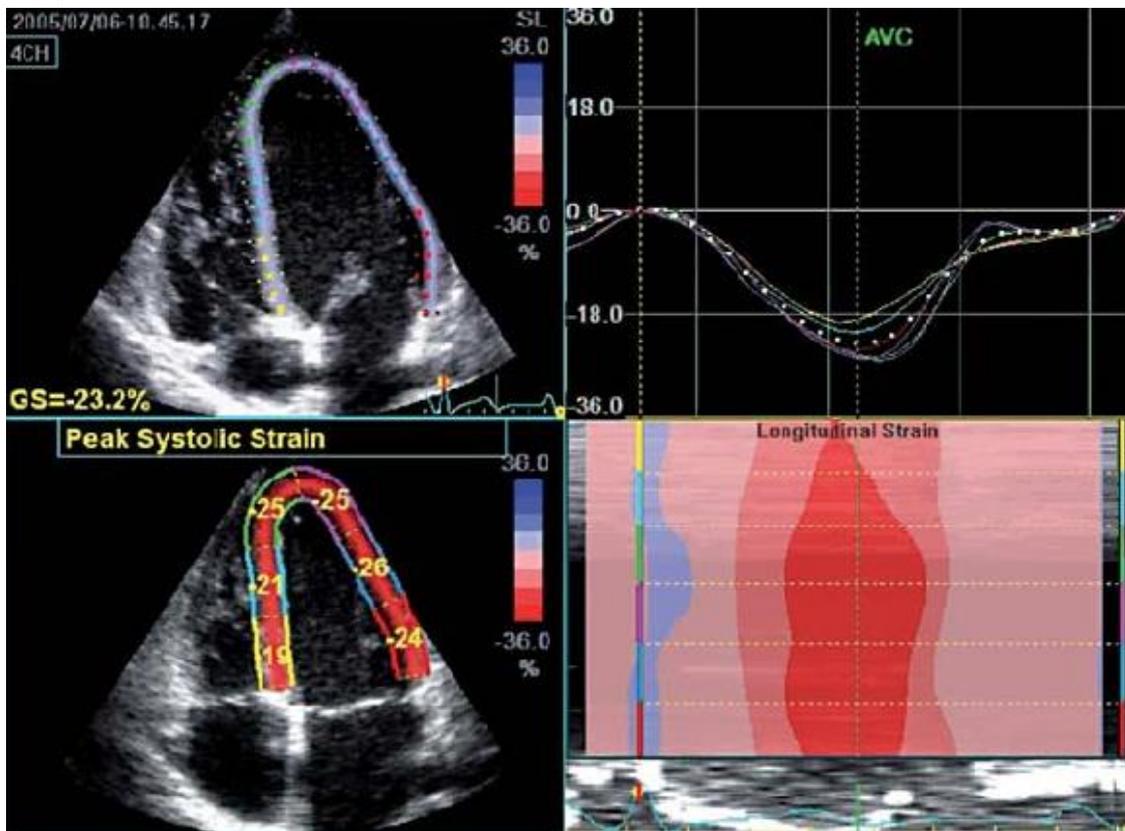
Solutions
Xen.AI Medical - Imaging solution can mine patient data and uncover insights that help inform how physicians approach treatment. This solution can flag anything that seems out of the ordinary and send an alert to a human physician so they can review it further. In doing so, doctors can now take note of which patients need more intervention.
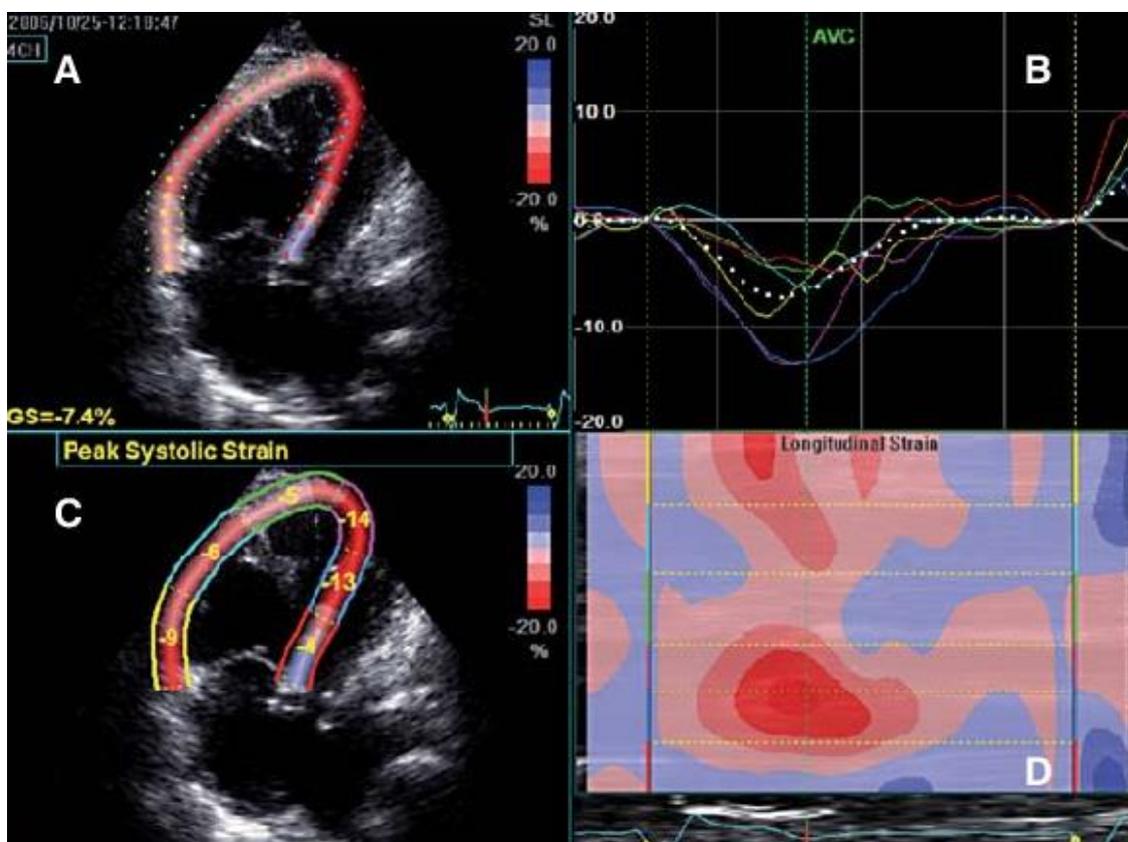
The Challenge

There's a myriad of uses for diagnostics, including detecting heart attack risk from retinal images and flagging mammograms for further review by a radiologist. This diagnostic process requires trained professionals to review patient's medical history and symptoms and make a diagnosis based on their past experience and knowledge. The problem is, human providers, and their limited capacity for knowledge leave significant room for error.

The Solution

Xen.AI Medical - Imaging solution can mine patient data and uncover insights that help inform how physicians approach treatment. This AI based solution can help flag anything that seems out of the ordinary and send an alert to a human physician so they can review it further. In doing so, doctors can now take note of which patients need more intervention. Xen.AI Medical - Imaging has lifesaving benefits, this is because it can analyze patient data and determine new care paths for a variety of conditions. Xen.AI Medical - Imaging helps to reduce readmissions and helps personalize patient discharge plans so they fit the patient's circumstances.

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Innovative Artificial Intelligence Solutions

Applications and Benefits

Xen.AI Medical - Imaging solution can help in the following areas:

- Analyze echocardiograms of COVID-19 victims for insight about how the virus affects the human cardiovascular system and the COVID induced microvascular disease and myocarditis.

- Leverage the data to produce a structural map of the heart to triage and treat high risk patients.

- Link the impact of the virus to predictable patient outcomes to optimize patient management.

- Help health care providers better manage scarce resources and provide more time to treat those most in danger.

- Primary focus is to assess automated cardiac measurements of ejection fraction and Global Longitudinal Strain for classification of COVID-19 patient outcomes.

- Disease detection and diagnosis from radiology imaging such as X-Ray Imaging, Ultrasound Imaging, Computer Tomography scan, Magnetic Resonance Imaging, Nuclear Medicine scans etc. This encompasses a vast array of diseases like screening for cancers, cardiovascular abnormalities, detection of musculoskeletal injuries, neurological and pulmonary problems.

- A valuable aid for medical professionals to improve their efficiency and help save valuable lives.