eMurmur

World's Most Accurate Heart Murmur Detector

CSD Labs has developed the world's most perceptive auscultation platform, eMurmur, a clinically validated tool for those on the front lines of early and ongoing heart health screening of children, teens, adults, and elderly persons.

What the Experts Are Saying

Lillian S.W. Lai, MD

Childrens Hospital of Eastern Ontario, University of Ottawa.

"eMurmur will change our ability to auscultate patients appropriately and standardize it across the board. Physicians can be reassured in their skills using eMurmur and there is a lot of potential for a positive impact in patient care."

Andrew N. Redington

The Heart Institute Cincinnati Children's Hospital Medical Center Cincinnati, Ohio.

"eMurmur is a good example of how new technology can be utilized to improve quality metrics through standardization and reduced cost of care through better screening. eMurmur fits well into the ongoing policy shift in the US healthcare system towards next generation payment models."
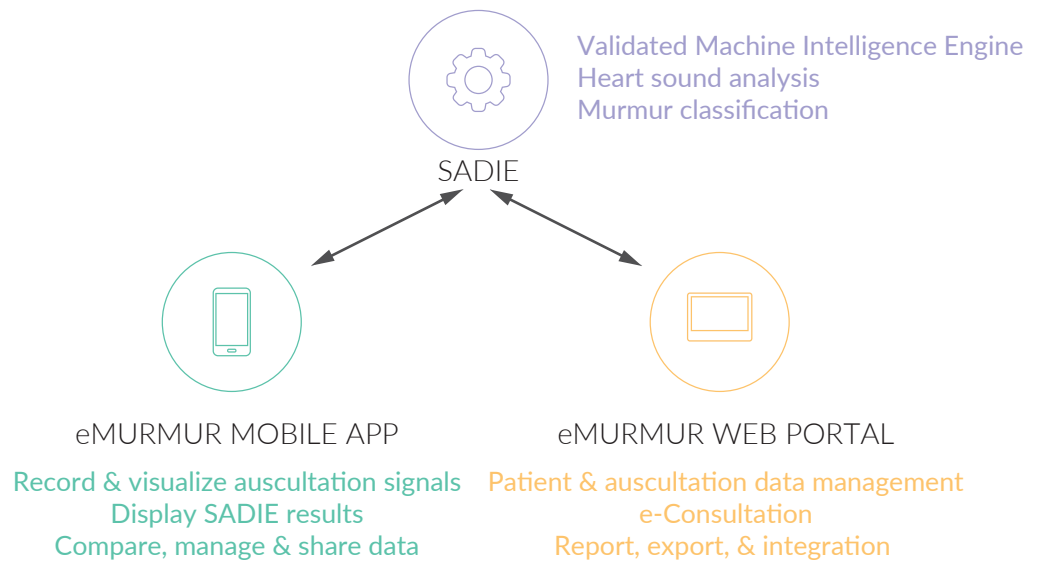
Andreas Schriefl, PhD

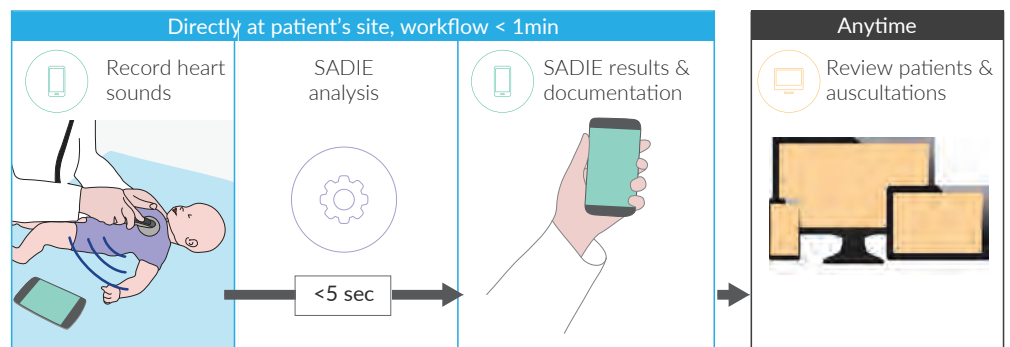*Founder and CEO, CSD Labs Graz, Austria.*

"Our mission is to provide a technology that elevates the current method of auscultation to a new, much improved standard, adequate for the 21st century. eMurmur is robust, objective and validated in its ability to identify and classify heart murmurs. There is a dire clinical need for our eMurmur platform because the status quo of auscultation is prone to error and uncertainty, leading to stress for patients and medical professionals and waste in the system. For example, nearly 3 in 4 asymptomatic children are referred for specialist evaluation because of a suspected murmur but do not turn out to have heart disease. This one example illustrates the tremendous and unnecessary cost burden to the health system due to the current method of auscultation. Auscultation is often called an art, we at CSD Labs have replaced the Art with a Science."

eMurmur components: SADIE | App | Portal

Encrypted & secure data storage and communication

Validated Machine Intelligence Engine
Heart sound analysis
Murmur classification

SADIE

eMURMUR MOBILE APP

Record & visualize auscultation signals
Display SADIE results
Compare, manage & share data

eMURMUR WEB PORTAL

Patient & auscultation data management
e-Consultation
Report, export, & integration

Seamless workflow integration with eMurmur

Directly at patient's site, workflow < 1min			Anytime
Record heart sounds	SADIE analysis	SADIE results & documentation	Review patients & auscultations

<5 sec

Significant Benefits for Patients, Caregivers, Hospitals, Payers

- Clinically validated heart murmur detection
- Most advanced auscultation technology ever developed
- Efficient integration into the clinical workflow
- Improved diagnosis: more certainty, less stress
- Standardized documentation of auscultation findings, HIS integration
- Compatible with commercially available electronic stethoscopes

NOTE: eMurmur is awaiting approval for sale.