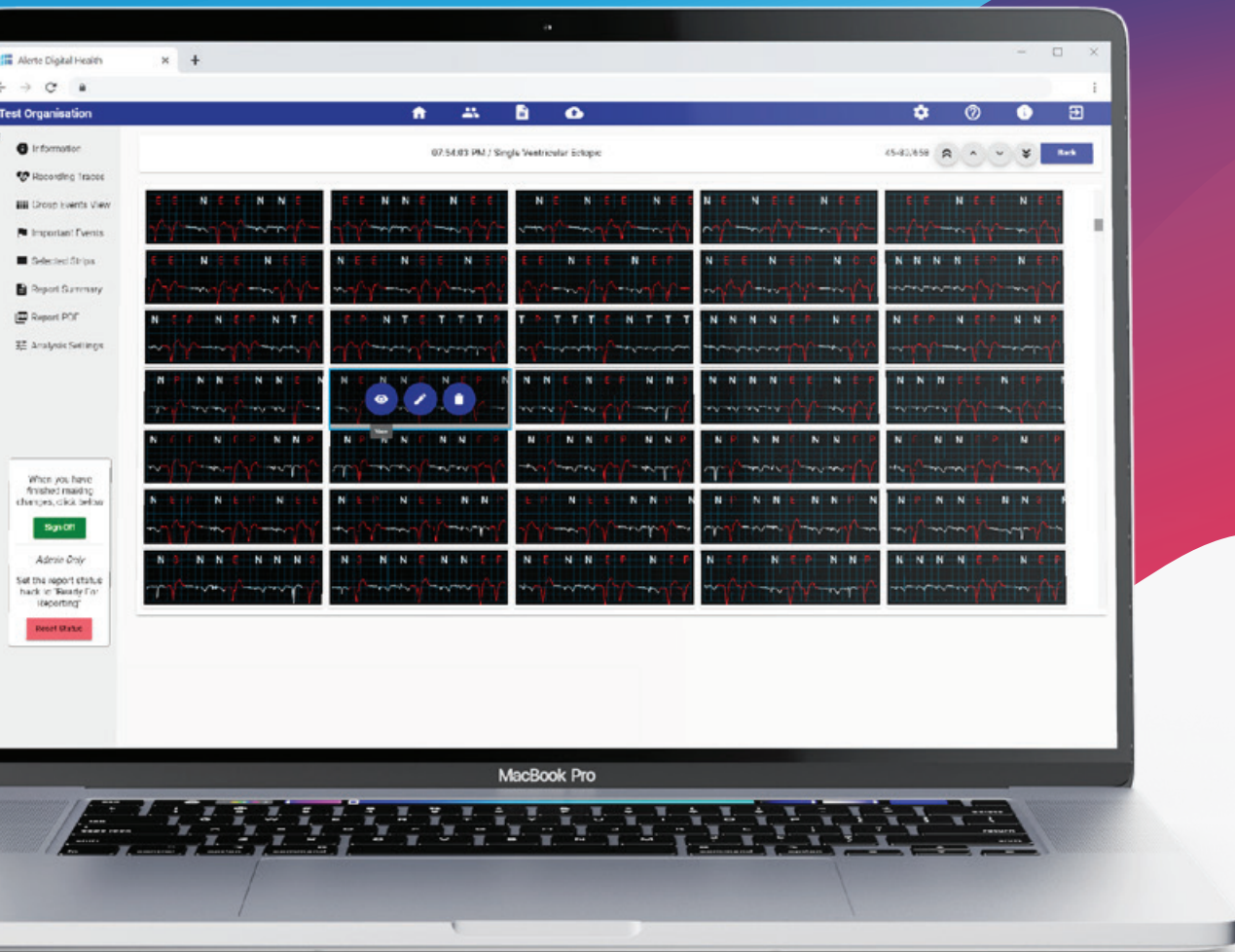


# Advanced Holter Monitoring System

Atrio is an AI, cloud-based software system with integrated telehealth capabilities. It is a complete diagnostic workbench equipped to interpret, edit, group and insert cardiac beats and rhythms, input of clinical information and automatically generate pdf reports.

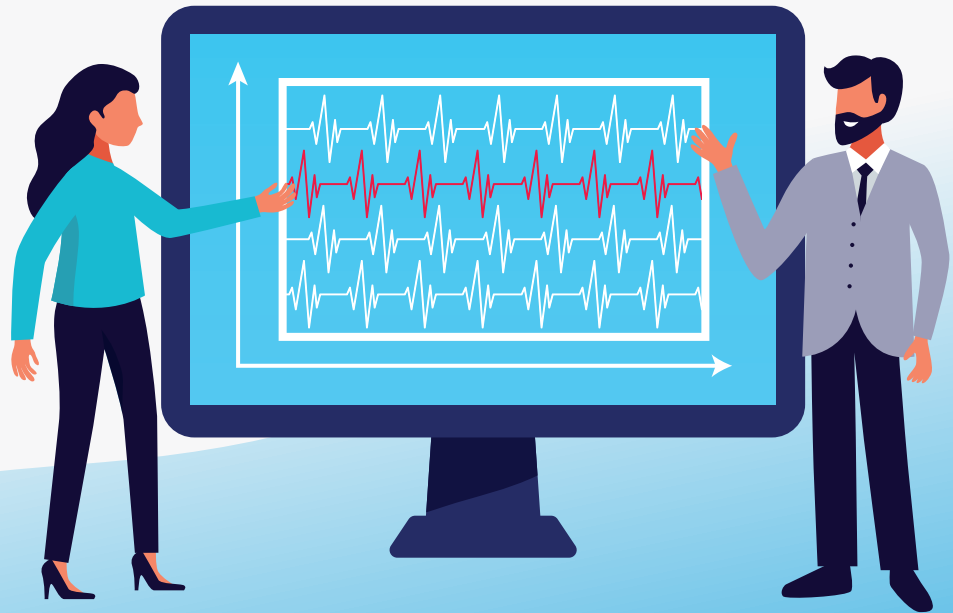




# Features.

- ▶ **Information Display:** Displays patient meta-data and recording information
- ▶ **Multiple device compatibility:** Atrio can service any Holter device that utilises standard ECG file formats and is compatible with multiple devices: iShine, .ecg, .edf
- ▶ **Recording Traces:** Interactive workbench: Multi lead view, detailed zoom, high level zoom, manual edit/insert/delete events and symptoms
- ▶ **Group Event View:** Event summary, can quickly edit and delete events from the summary view
- ▶ **Important Events:** Can click on each statistic, Atrio will zoom to the data to ensure the statistic is calculated from clean data, modification to labels can be made from that view. Good way to score/label and clean false positives (important to the re-training process)
- ▶ **Selected Strips:** Can select specific strips (this can come from a diary or external event)
- ▶ **Report Summary:** A report can be written with all the key statistics at the fingertips of the technician
- ▶ **Report PDF:** Final PDF report printed: Summary page, written text report by technician, additional clinical information if relevant, tables of events, ECG strips that were selected rendered to the PDF
- ▶ **Analysis Setting:** Rules for auto detection of events, including but not limited to; Brady, Tachy, Pauses, Late, couplets, bi/trigeminy etc
- ▶ **Therapeutic Goods Administration registration:** Registered with the Therapeutic Goods Administration as a class I medical device ready for use in Australian Healthcare.

# Artificial Intelligence meets medical expertise to give your practice the cutting edge.



## Benefits.



Real time remote access



Decision support systems for improved efficiency and accuracy (Artificial neural networks)



Low maintenance and hassle free



Multi-functional software

## How it works.



Login anywhere, anytime via web-based platform



Upload data



Analyze data with AI decision support



Report generation

AI is poised to drive transformational improvements in healthcare delivery. The Atrio AI is trained on big data from multiple ECG device sources to create an industry leading algorithm with unique detection capabilities. It enables benefits to your workflow now, will learn and improve with your practice to deliver a next generation of excellence in care.

# Designed to help you deliver efficient and effective care.



## Clinicians

Atrio was built based on extensive consultation with leading electrophysiologists, general cardiologists, and cardiac research institutions from across the globe. Atrio is designed to create a system that on the outside is simple to view and report but on the inside is a highly advanced artificial intelligence system using multiple neural networks, with embedded decision support systems. The result is a simple and fast, superior system with very high accuracy and efficiency.

- AI assisted decision support
- Improved accuracy and consistency
- Lower set up and maintenance costs
- Flexible treatment options to meet patient needs.



## Patients

Atrio was built with access and quality in mind.

- Greater flexibility in access to cardiac care
- Speciality cardiac services can be provided to regional, remote and isolated patients
- Increased consistency and quality of medical services
- Incidental costs of accessing care reduced



## Technicians

Technicians have co-designed the structure and functionality of Atrio, ensuring practical ease of use.

- Can work remotely without need for third party software
- A speciality cardiac service provider can operate with multiple clinics
- Semi automation using AI for decision support
- Improved workflow for analysis and generation of reports
- Allows for flexibility in work arrangements with multiple service providers



## Administration

Increases productivity and efficiency.

- Intuitive and easy to learn
- Speciality cardiac service provide can operate with multiple clinics
- Digital records which support record keeping and historical audits

To learn more about the Atrio Holter ECG Monitoring System and how it can support your practice today, please contact [info@alertedh.com](mailto:info@alertedh.com) or visit [www.atr.io/ai](http://www.atr.io/ai)