ATRIO:

REVOLUTIONISING CARDIAC MONITORING WITH ADVANCED AI AND CLOUD-BASED TECHNOLOGY

Capitalising on substantial revenue opportunities in medical services through advanced AI and cloud-based technology in cardiac services.

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KEY FEATURES OF ATRIO

CUSTOMISABLE ANALYSIS SETTINGS

Set parameters for automatic event detection, including arrhythmias like Bradycardia, Tachycardia, and more, to tailor the analysis to each patient's needs.

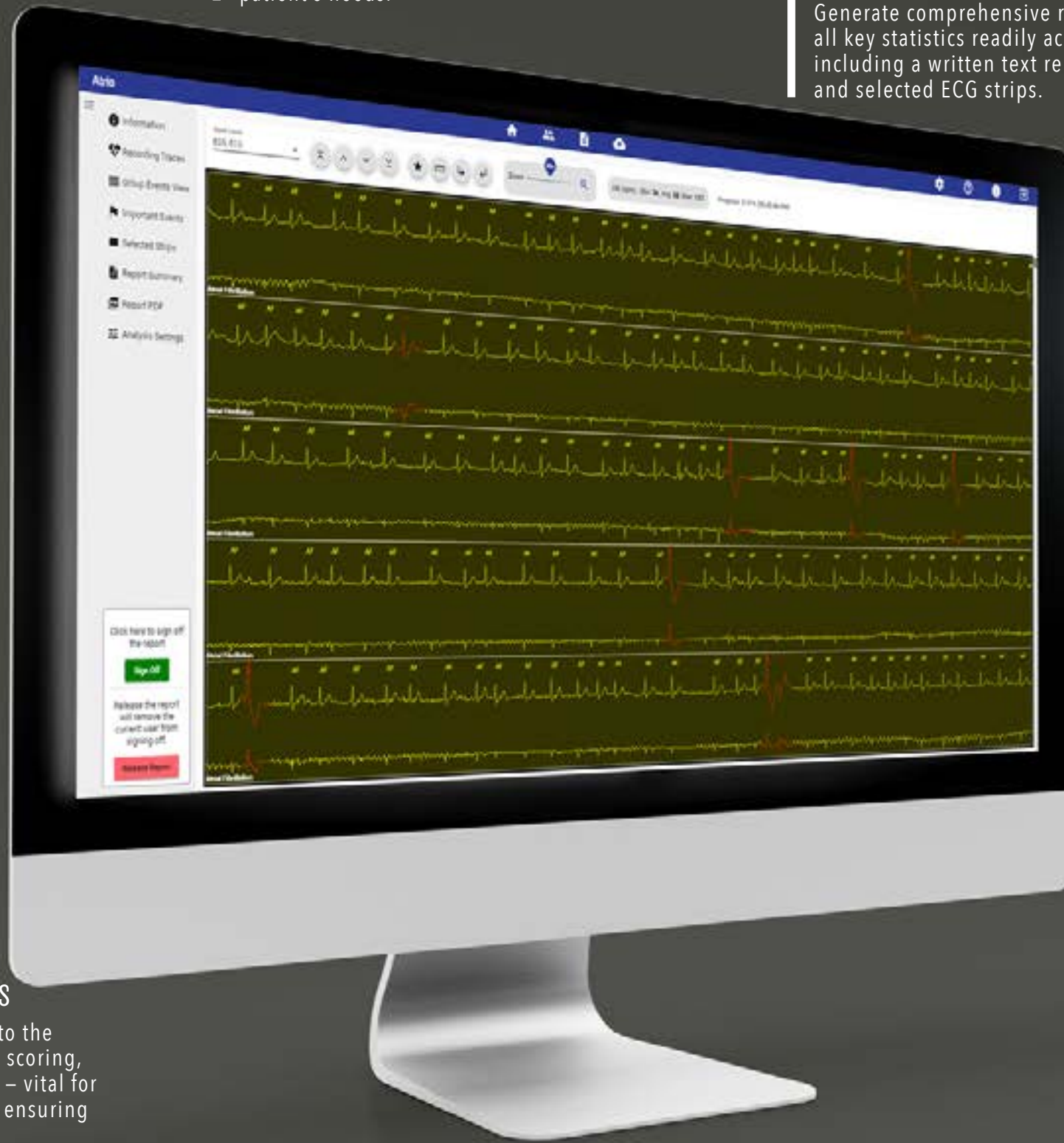### CUSTOMISABLE ALERTS AND NOTIFICATIONS

Stay informed with alert notifications for studies ready for review.

DETAILED REPORT SUMMARY

Generate comprehensive reports effortlessly, with all key statistics readily accessible to technicians, including a written text report, tables of events, and selected ECG strips.

ADVANCED RECORDING TRACES

Dive into an interactive workbench featuring multi-lead views, detailed and high-level zoom capabilities, and manual event management – edit, insert, or delete events and symptoms with precision.

DYNAMIC IMPORTANT EVENT ANALYSIS

Click on any statistic for ATRIO to zoom into the clean data it's based on, allowing for easy scoring, labelling, and cleansing of false positives – vital for efficient reporting, and AI re-training and ensuring data integrity.
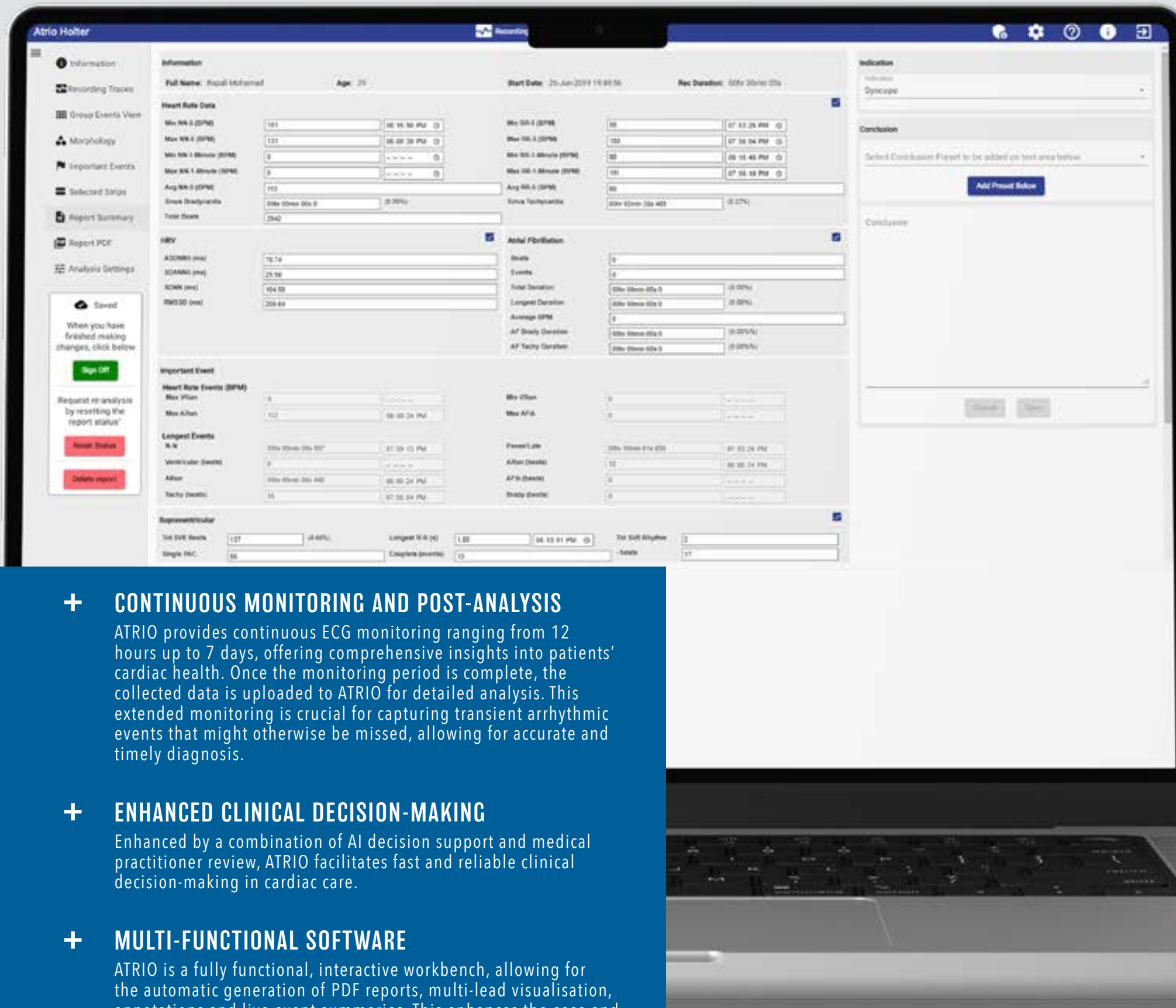
FINAL REPORT PDF

Produce definitive PDF reports that encapsulate summary pages, detailed clinical analyses, and additional clinical information, presented in a professional format suitable for medical review.

USER-FRIENDLY INTERFACE

The system features a user-friendly web-based interface that simplifies data upload, analysis, and report generation. ATRIO supports multiple device compatibilities and can service any Holter device that utilises standard ECG file formats, ensuring flexibility and broad application.

ARTIFICIAL INTELLIGENCE (NEURAL NETWORKS)

The AI identifies arrhythmias such as atrial fibrillation, ventricular ectopics and more for efficient analysis and reporting.

SELECTIVE STRIPS FOR TARGETED ANALYSIS

Choose specific ECG strips, whether from a diary log or an external event, for focused examination.

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BENEFITS OF ATRIO

CLOUD-BASED FLEXIBILITY

ATRIO's cloud-based system enables remote access and telehealth capabilities, providing online Holter services that benefit remote and rural patients, regardless of their location. Its cloud-based design ensures easy access, reducing the dependency on extensive IT infrastructure and lowering setup and maintenance costs. This efficiency allows for faster reporting times and greater focus on patient care, facilitating the servicing of more patients without additional resource requirements.

ADVANCED AI ALGORITHMS

ATRIO's sophisticated AI algorithms ensure accurate arrhythmia and other cardiac anomaly detection and classification. Trained on big data from multiple ECG device sources, the AI is periodically updated from human expert reviewed curated data that is subjected to a rigorous QA and regulated change management process, ensuring quality and consistency. Key features include beat detection, rhythm classification, and beat morphology clustering, ensuring high accuracy and consistency in cardiac monitoring.

WORKFLOW EFFICIENCY

The platform's design and AI support optimise cardiac monitoring workflows, automating data analysis and report generation to increase efficiency and accuracy, enabling the servicing of more patients.

ADMINISTRATION TOOLS

Store patient consent, questioners, referrals and any additional documents maintaining compliance and record integrity with ease.

EFFICIENCY ANALYSIS TOOL

Quickly navigate through key events, batch/bulk editing and review, enhancing workflow efficiency.

STREAMLINED ELECTRONIC REFERRALS

Facilitate digital referral requests directly from GPs through ATRIO, simplifying the referral process.

UNIVERSAL DEVICE COMPATIBILITY

Seamlessly integrating with any Holter device that supports standard ECG file formats, including ishne, .ecg, and .edf, ATRIO offers unparalleled flexibility and any combination of 12 Leads.

REGULATORY COMPLIANT

ATRIO is registered with the Therapeutic Goods Administration as a medical device, ensuring it meets high safety and quality standards necessary for use in Australian healthcare settings. The system has received positive testimonials from medical professionals for its ease of use, accuracy, and the significant improvements it brings to patient management and remote monitoring.

CONTINUOUS MONITORING AND POST-ANALYSIS

ATRIO provides continuous ECG monitoring ranging from 12 hours up to 7 days, offering comprehensive insights into patients' cardiac health. Once the monitoring period is complete, the collected data is uploaded to ATRIO for detailed analysis. This extended monitoring is crucial for capturing transient arrhythmic events that might otherwise be missed, allowing for accurate and timely diagnosis.

ENHANCED CLINICAL DECISION-MAKING

Enhanced by a combination of AI decision support and medical practitioner review, ATRIO facilitates fast and reliable clinical decision-making in cardiac care.

MULTI-FUNCTIONAL SOFTWARE

ATRIO is a fully functional, interactive workbench, allowing for the automatic generation of PDF reports, multi-lead visualisation, annotations and live event summaries. This enhances the ease and efficiency of ECG analysis and reporting.

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WHY CHOOSE ATRIO?

ATRIO stands out from competitors like Philips, CardioLogs, Spacelabs and GE by leveraging advanced cloud-based technology and artificial intelligence. Unlike Philips and Spacelabs, which require traditional, hardware-intensive I.T infrastructure, ATRIO offers enhanced flexibility and scalability through its cloud platform, supporting a wide range of ECG file formats and enabling remote telehealth capabilities.

While CardioLogs and AliveCor also utilize AI for ECG analysis, ATRIO distinguishes itself by providing a fully functional diagnostic workbench with comprehensive tools for reviewing and processing AI-driven analyses.

ATRIO is designed for professional healthcare environments, ensuring medical-grade standards and compatibility with global medical provider payment pathways, such as Medicare, for Holter services across the globe. These features make ATRIO the preferred choice for healthcare providers seeking efficient, scalable, and cutting-edge solutions in cardiac services and monitoring.

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ATRIO's features collectively enhance its ability to provide superior cardiac care through advanced technology, making it a compelling choice for healthcare providers looking to improve patient outcomes and operational efficiency in cardiac monitoring.

GET STARTED WITH ATRIO

Visit our websites to learn more and to explore ATRIO:

https://www.alertedh.com/product/atrio/

https://atrio.ai