

ARCS

ECG and ABP
Analysis, Reporting and Communication Software



ARCS has continued to evolve with enhanced algorithm function and features for the services provided by cardiology offices and IDTFs for the detection of AFib, VE, SVE, etc. from numerous types of data file formats.

Operation is highly customizable so as to meet user's needs with new tools.

KEY FEATURES

- **Comprehensive Analysis Capability**
- **A Suite of Advanced Editing Tools: Lorenz Plot, De-mix, Template Tool**
- **Customizable EOS Report**
- **Customizable Editing Workflow**
- **Optimized for Both Efficient and Difficult Studies**
- **Synchronized ECG and BP**

SUPPORT FORMATS:

- **BIOX, Intricon, GARERA**
- **CDM, EDF, ISHNE, TZ**
- **MIT 16, 32, 212, 311**

HIGHLIGHT

Accuracy

- Recognition of QRS complex at 99.7% against MIT database.

Algorithm Robustness

- Periodic algorithm improvements for enhanced QRS classification and event detection.

Fast Analysis

- Proprietary multi-channel analysis of 24-hour Holter data within 30 seconds.

Extended Holter

- Processing of ECG data up to 30 days.

International

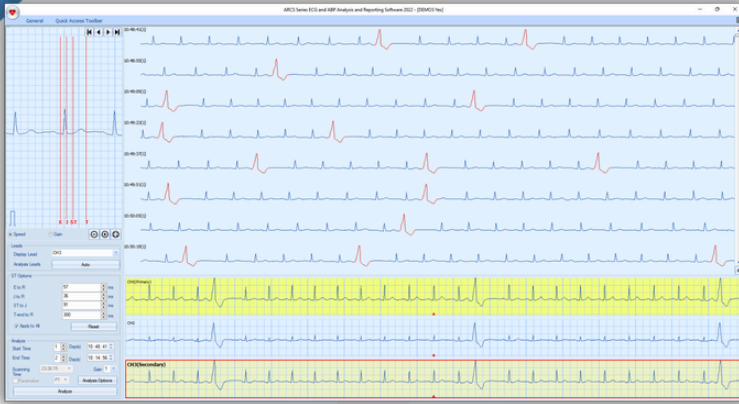
- Operation in 7 different language.

Customizable

- Customizable scanning workflow and final summary report.

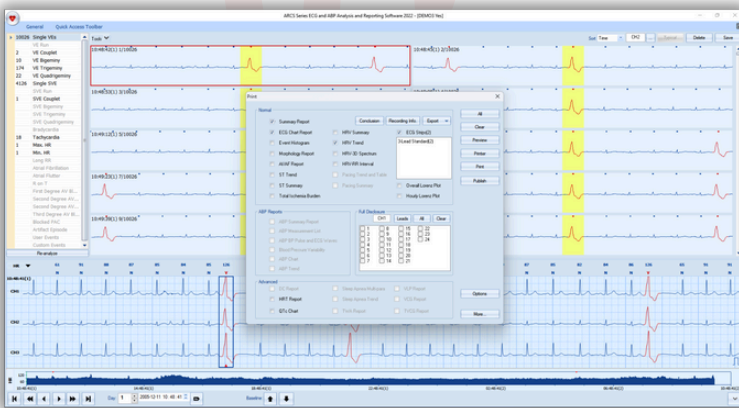
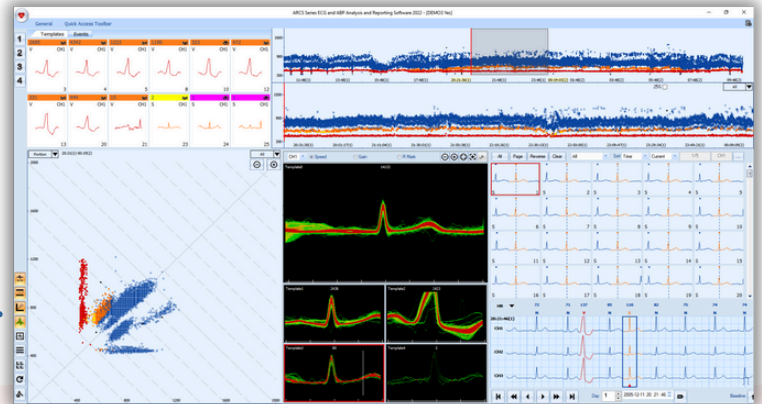
Analysis Parameter

- Gain
- Channels
- Event Threshold
- Day/Night Time
- Start Time



One-Stop Editing

- Templates
- Lorenz Plot
- Morphology Demix
- RR Trend Plot
- Event Summary
- Beats



Modular Report

- Events Counts
- Strips
- Morphology
- Lorenz Plot
- ST

MINIMUM SYSTEM REQUIREMENTS:

- Operating System: Windows 7/8/9/10/11 32 bit/64bit
- CPU speed: 1.0 GHZ
- RAM: 2GB
- Hard Disk: 20 GB of free space
- Display: 16 colors with 1024 x 768 resolution
- USB ports

VascularMed Inc.			
ECG Summary Report			
Name:	Demo A16	Age:	51 yrs
Bed #:		Gender:	M
Start Time:	5/1/2013 09:13:05	Case #:	
		Department:	
		Study Length:	5d 23hr 11min
HR		Ventricular Ectopy	
Total Beats:	302721 Beats	Total Wt:	122 Beats
Avg. HR:	72 bpm	Single Wt:	9950 Beats (1.02%)
Max. HR:	53 bpm @ 03:13:13	VT Couplet:	0.00%
Min. HR:	33 bpm @ 03:41:00	SVT Couplet:	0.00%
Tachycardia:	44 times (0.15%)	SVT Run:	4 times (14 Beats) (0.01%)
Bradycardia:	24 times (0.08%)	Fastest:	150 bpm @ 02:41:30
Long MR:	0.00%	Longest:	32 Beats (0:00:36.26)
Longest Long MR:	0.00%	VE Bigeminy:	3 times (12 Beats)
Daytime Average:	72 bpm (SD: 00)	SVT Trigeminy:	2 times (7 Beats)
Nighttime Average:	72 bpm (SD: 00)	SVT Quadrate:	1 times (3 Beats)
Heart Rate Variability	Max # of VE:	Max # of SVT:	139 Beats/min, 209 Beats/hr
	3 Beats/min, 26 Beats/hr		
Event		Others	
SDNN:	324.76 ms	Total Wt:	1 times
SDANN:	272.82 ms	AF Duration:	29d35minsec (100.29%)
RMSSD:	24.74 ms	VT Wt:	0.00%
JMSSD:	3.66 ms	Total SVT:	13718 Beats (4.53%)
SD:	76.02 ms	SVT Wt:	0.00%
HF:	63.75 %	SVT Bigeminy:	3 times (12 Beats)
LF:	766.62 %	SVT Trigeminy:	2 times (7 Beats)
HF:	461.83 %	SVT Quadrate:	1 times (3 Beats)
ST(mV)			
Depression: 0	Depression: 0	Depression: 0	
Elevation: 0	Elevation: 0	Elevation: 0	
Summary:			
Rhythm: Regular rhythm was Sinus.			
Total Beats: 6252 Strips,			
Avg. HR: 65 bpm, Max. HR: 146 bpm @ 09:21:32L,			
Min. HR: 61 bpm @ 00:53:23L.			
Diagnosis: Dr. Hong Chen			