iMAC1800
18-Ch High-end ECG machine

FDA MC ⊕⊕ CE **ISO9001**
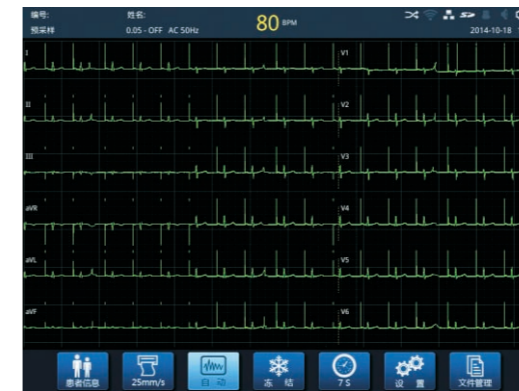
http://www.zoncare.com

iMAC1800

18-Ch High-end ECG machine

As world first 18-channel resting ECG machine, the iMAC1800 greatly increases the detection rate of right ventricular and posterior wall myocardial infarction.
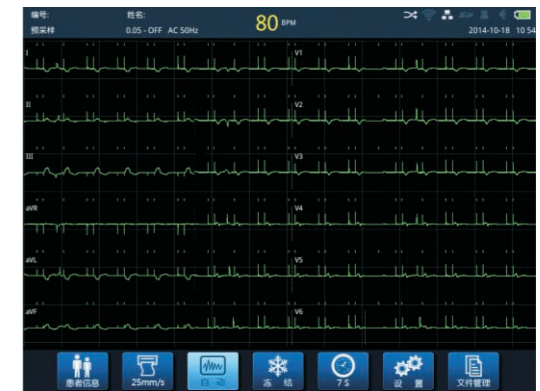
Effectively solved the clinical problems that normal 12-channel ECG machine cannot observe more parts at the same time. Effectively improve the accuracy and timeliness of myocardial infarction and myocardial ischemia diagnosis

- 32000 Hz Sampling Rate and 24 Sampling Data of each channel
- 1 Second Baseline Stability Time
- Broad Frequency Response 0.01~250Hz
- Can Easily Capture Faint Dual-chamber Pacing Signal
- Utilize the University of Glasgow ECG analysis algorithm, which can automatically give ECG interpretation based on age, gender, race, medication, and class
- ST segment elevation myocardial infarction diagnosis ability is in the industry leading position
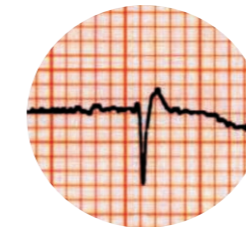- Support advanced analysis function like VCG, Time VCG etc.

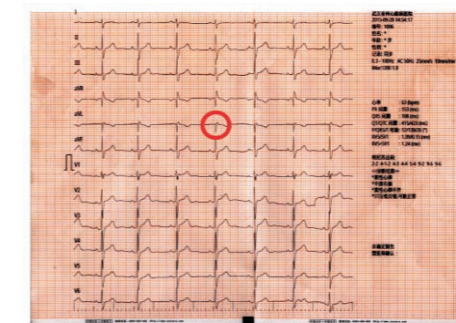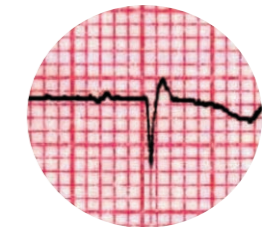## iMAC can accurately restore the body weak signal
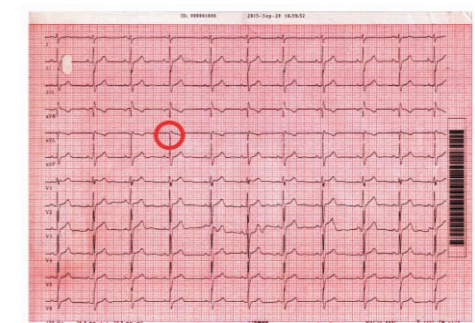

Single-Chamber Pacing

Dual-Chamber Pacing

VS

Waveform Comparison Chart

From One famous US ECG Brand

iMAC ECG analysis algorithm passed AHA and CSE database validated

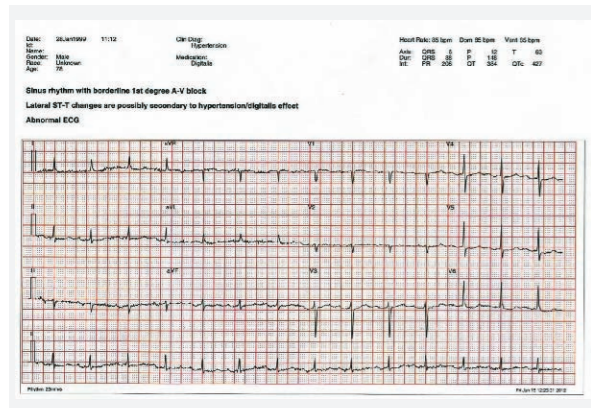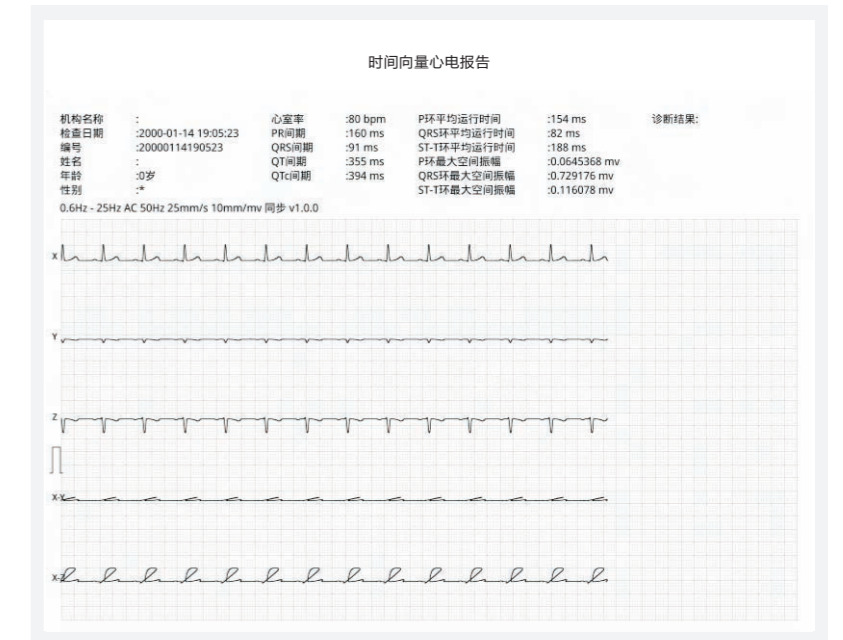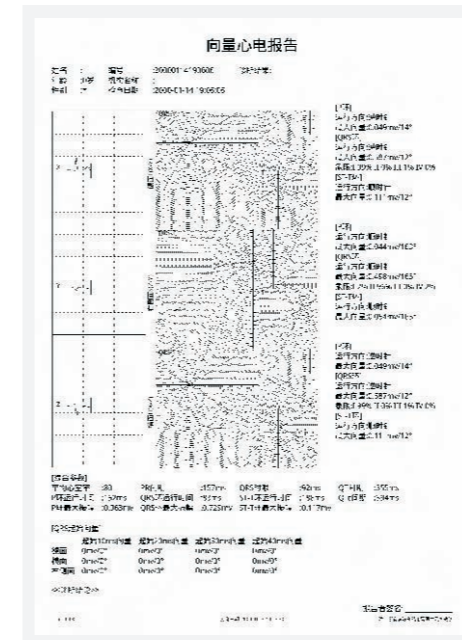| Auto analysis validation results								
	P-wave time limit (ms)		PR Interval (ms)		QRS Complex (ms)		QT Interval (ms)	
	Average Deviation	Standard Deviation	Average Deviation	Standard Deviation	Average Deviation	Standard Deviation	Average Deviation	Standard Deviation
iMAC results	0.5	9.3	-1.9	7.0	0.1	4.9	4.5	12.2
IEC60601-2-51 latest requirement	±10	15	±10	10	±10	10	±25	30

University of Glasgow ECG analysis algorithm can efficiently improve the accuracy of the measurement and credibility of automatic analysis

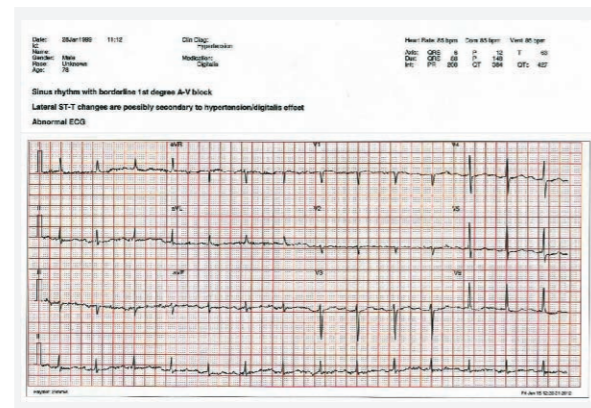The effective rate of diagnostic report is higher than the cardiologists.

Comparison of 601 male myocardial infarction patients diagnosis		
Age Group	iMAC automatic diagnostic effective rate	Cardiologists diagnostic effective rate
18-39	100%	87%
40-49	96%	87%
50-59	93%	90%
60-69	93%	82%
70-79	92%	91%
≥80	91%	93%

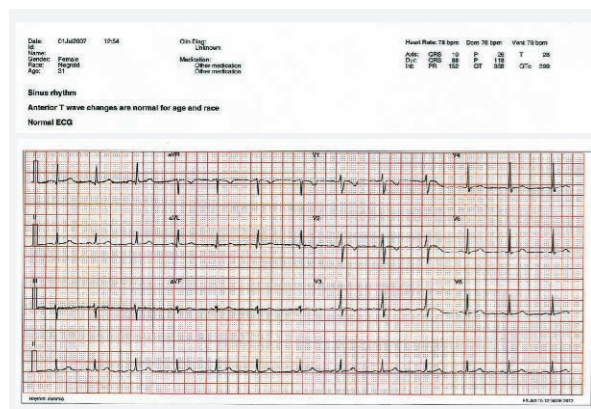The Glasgow algorithm is the only algorithm based on age, gender, race, medication and class in the world.
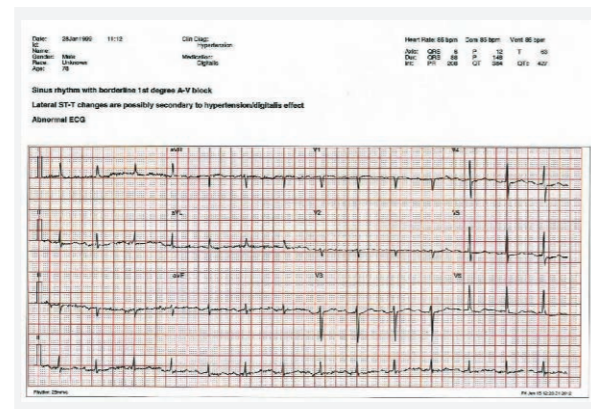

Distinguish between gender diagnosis

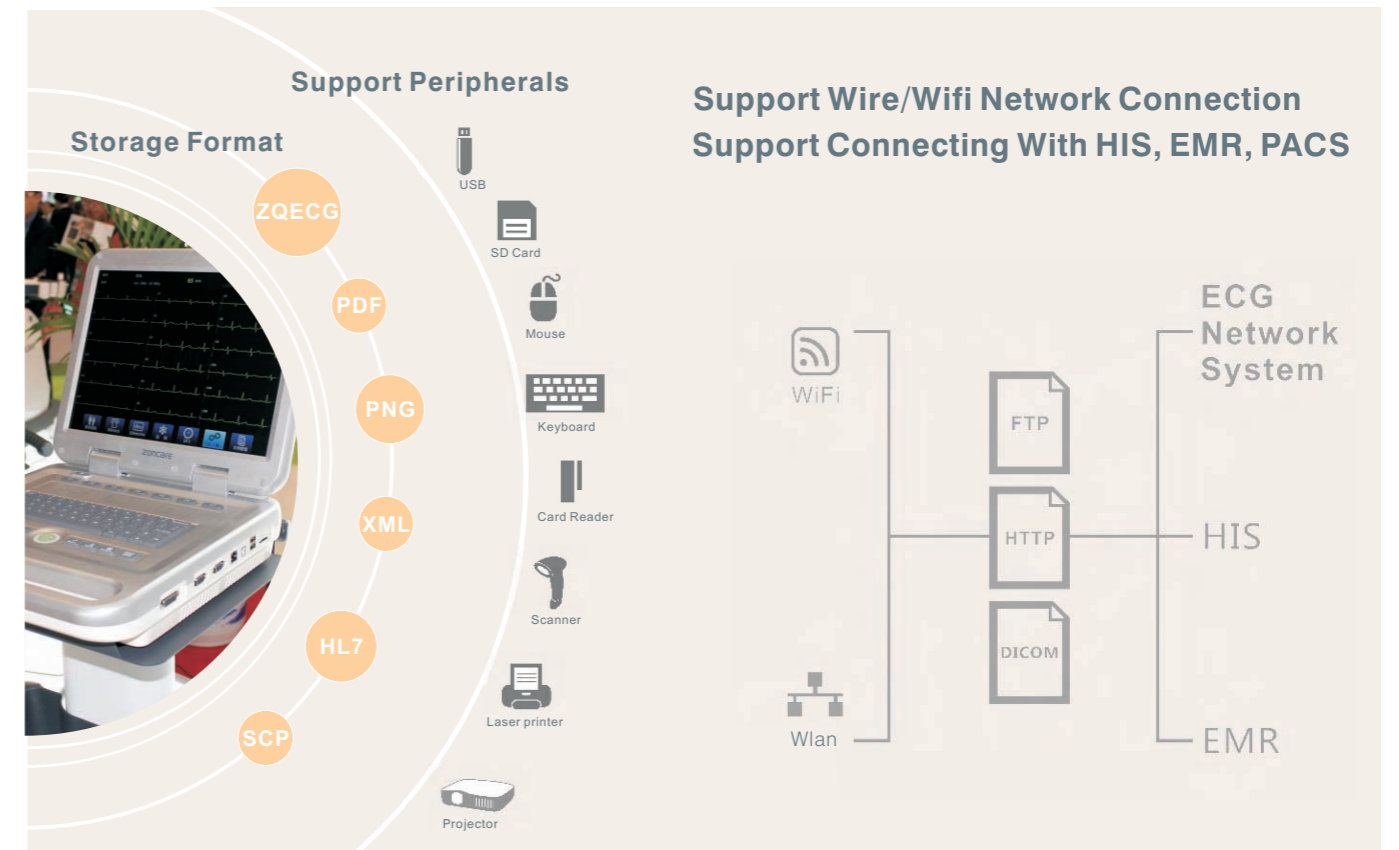Distinguish between age group diagnosis

Distinguish between race diagnosis

Distinguish between medication diagnosis

Support advanced technology like VCG, Time VCG etc

Storage Format

Support Peripherals

ZQECG
PDF
PNG
XML
HL7
SCP

USB
SD Card
Mouse
Keyboard
Card Reader
Scanner
Laser printer
Projector

Support Wire/Wifi Network Connection
Support Connecting With HIS, EMR, PACS
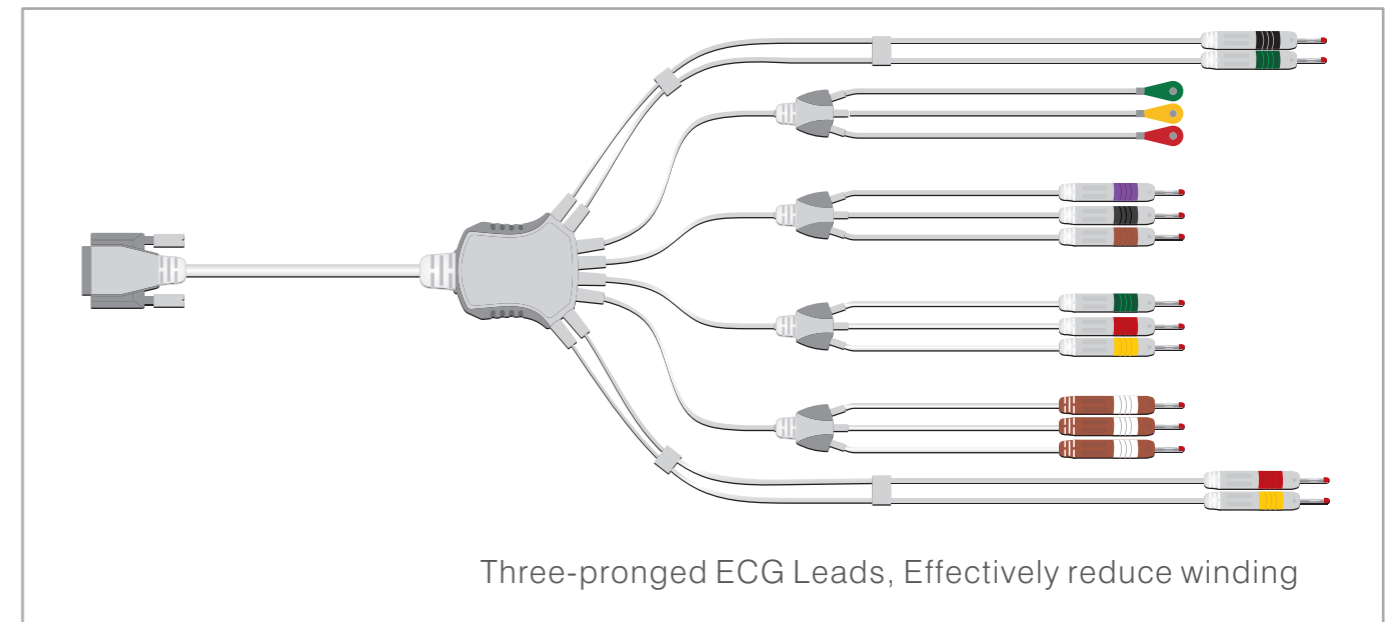
WiFi
Wlan

FTP
HTTP
DICOM

ECG Network System
HIS
EMR

Innovated ergonomic design

15 inch large high resolution
 LED screen
Standard fundamental grid
design

Intuitive and convenient
workflow design

F1~F7 shortcut buttons

Standard alphanumeric
keyboard

Trackball

Trolley

Three-pronged ECG Leads, Effectively reduce winding