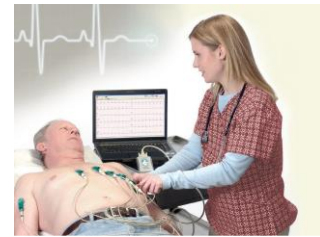


4.-E.C.G. y PRUEBA DE ESFUERZO CON ORDENADOR



4.1.- ECG con Ordenador **QRS-Card**

El sistema Digital de ECG PBI QRS-Card transforma cualquier PC de sobremesa, portátil, notebook o tableta en un equipo completo de ECG de 12 derivaciones, de muy altas prestaciones y fácil de manejar.

El sistema Digital QRS-Card dispone de muchas más prestaciones que un Electrocardiógrafo convencional incluyendo: Base de Datos de todos los pacientes para archivo y consulta, impresión clara sobre papel normal, acceso remoto para la visualización del ECG e interpretación automática.

El sistema Digital QRS-Card de ECG, utiliza el programa **Cardiology Suite** y puede ser integrado dentro de su programa EMR.

El QRS-Card le permite realizar, almacenar y compartir los informes ECG de forma sencilla en un mismo equipo.

Si además añade el ECG de Prueba de Esfuerzo QRS-Card dispondrá de una estación de trabajo cardiológica completa en el mismo programa **Cardiology Suite**

- Muy ligero, diseñado para poder transportar en mano.
- Funciona con el programa Cardiology Suite PBI, QRS-CardTM.
- **Interpretación Automática de ECG- incluido-**
- No necesita batería, se auto-alimenta del puerto USB.
- Cambie, añada o edite el diagnóstico a posteriori.
- Comparación de los ECG's anteriores del paciente.
- Múltiples Informes impresos y personalizables.
- **Mediciones del ECG Automáticas.**
- Pre-visualización del informe completo en 12 derivaciones en Pantalla.
- Facilidad de crear informes en .Pdf y **enviar por E-mail**
- No necesita utilizar el papel térmico.
- **Ampliable a sistema de Prueba de Esfuerzo.**
- Añada la Prueba de Esfuerzo ECG
- Monitorización Remota ECG -via internet-.
- Sincronización de Onda R para Ecocardiografías y P.Arterial auto.

Características: Equipo de ECG Digital QRS-Card:

Canales: 12
Medidas: 114.3mm x 63.5mm x 25.4mm
Peso: 127.6 gramos

Email: Microsoft® Outlook or MAPI compliant
Visualización en Pantalla: 1, 3, 6 or 12 derivaciones
ECG velocidad: 5, 10, 25 mm/sec

| | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protección contra Desfibrilador: Incluida ECG derivaciones : 10 Lead (Banana or Snaps) Connexion: USB cable Alimentación: via puerto USB Sincronismo Onda R: R-wave para señal de Trigger Frecuencia de Muestreo: 240Hz, 500Hz 12 ch. or 1 KHz 4 ch. Mediciones de ECG: Automatico ECG Interpretacion: Automatico Almacenamiento de datos: Disco duro PC, Tarjeta Flash or tarjeta SD Impresora : Laser o tinta ; Color o Blanco y negro Informes: Multi-formato personalizado y PDF | ECG Ganancia 5, 10, 20 mm/mV ECG Filtros: Digital – 50/60 frecuencia de red Artefacto movimiento muscular 40 Hz Desplazamiento de Linea de base Base de Datos: Faircom C-Tree Formato Archivos: Industry Standard SCP (Standard Communication Protocol) or DICOM, HL7, PDF, TIFF, BMP EMR Interface: Multiple EMR Software Interfaces |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



4.2.- PRUEBA DE ESFUERZO con Ordenado **QRS-Card Stress**

TM

QRS-Card Stress ECGSystem

PBI QRS-CardTM Stress PC Digital ECG system used with QRS-CardTM Cardiology Suite or integrated into your EMR software allows you to effortlessly perform, store and share ECG reports at one location. Software is effortless to install, easy to use and simple to customize and can be used for Resting or Stress ECGs.

QRS-CardTM Stress PC Digital ECG system performs similar to a traditional stand alone exercise system, but offers increased portability and functionality for your practice.

QRS-CardTM runs on your Windows[®] based PC. Advanced features include: EMR software interface, database, full disclosure viewing, real-time remote access and custom stress protocols.

Clean ECG signals are achieved through advanced digital filters that reduce muscle noise and baseline movement. Full disclosure (complete test) ECG data is automatically saved to patient file. ECG reports can be printed during or after completion of the test and e-mailed to others.

QRS-CardTM Stress system can be interfaced with treadmills, ergometers and automatic blood pressure devices.

- Lightweight, Extremely Portable Design
- Works with PBI QRS-Card™ Cardiology Suite or EMR Software
- No Battery Needed, Self-Powered from USB Port
- Monitor Average Complexes, ST Changes, Target Heart Rate, and Blood Pressure
- View 3, 6 or 12 Leads in Real Time
- 12 Lead Resting ECGs Can Be Performed Using QRS-Card™ Stress PC Digital ECG System
- Automatic and Manual Treadmill Control
- Annotate Patient Conditions During Test
- Preview Reports on Screen Before Printing
- Single or Batch Print Reports
- Remote Internet Monitoring
- R-Wave Trigger Signal for Echo Machine and Auto BP Machine

Specifications: Stress ECG Machine:

Type: Full Disclosure (Complete Test Saved)

Channels: 12

Size: 4.5" x 2.5" x 1.0" (114.3mm x 63.5mm x 25.4mm)

Weight: 4.5 ounces (127.6 grams)

ECG Leads: Detachable 10 lead snap/grabber type

Connection: USB

Power: Self powered via USB port

R-Wave Trigger: R-wave Trigger signal for Echo machine and Auto BP machine

Sampling rate: 240Hz and 500Hz

ECG Measurements: Automatic (PQ, QRS, QT, HR, ST mm & ST Slope)

ECG Complex: Average 1, 3, 6 or 12 lead

Trend Graph: Heart Rate, Blood Pressure & ST

Protocols: Bruce, Modified Bruce, Kattus, Naughton, Dobutamine Ergometer, or user defined

Exercise Devices: Treadmill or Ergometer

Blood Pressure: Manual or Automatic

Data Storage: PC Hard Drive, Flash Card or SD Card

Printing: Laser / Inkjet; Color or Black & White

Reports: Multi-format, User customizable & PDF

Email: Microsoft® Outlook or MAPI compliant

Screen Format: 1, 3, 6 or 12 Leads

ECG Speed: 5, 10, 25, 50 mm / sec

ECG Gain: 5, 10, 20 mm / mV

ECG Filters: Digital – 50 / 60 Line frequency

Muscle tremors 40 Hz

Baseline drift

Database: Faircom C-Tree

File Format: Industry Standard SCP

(Standard Communication Protocol)

or DICOM, HL7, PDF, TIFF, BMP

EMR Interface: Multiple EMR Software Interfaces



Description:

Model 870 provided with "close type" handrails is the treadmill of the series more frequently used in Exercise Tests. In standard version there isn't the console, because it is directly controlled by the Exercise Testing System. Nowadays the model 870 A is employed with the most widely used Exercise Testing Systems worldwide.

Specifications.

Dimension: 205 cm length x 80 cm width x (112 cm height with treadmill at zero inclination)

Weight: 163 kg

Running surface: 50 cm X 147 cm

Height from floor: 22 cm

Patient capacity: 200 kg

Speed range: 0 – 20 km/h

Speed increments: 0.1 km/h

Incline range: 0 – 25 %

Incline increments: 0.5 %

Speed motor: Asynchronous three phase 1,5 HP, AC

Elevation motor: 90 watt DC

Voltage: 230 V 50 Hz

Power: 1,5 KVA (Max continuous power) 5,0 KVA (Peak Power)

PC connection: RS232 or USB

Electrical Safety: Compliant with IEC 60601-1

Optional:

Short format handrails

Safety strap mounting

Lanyard-Auto stop

Belt for the HR monitoring - Medcard PCECG

Control Console

Height adjustable handrails for paediatric use