

PRACTICE PARTNER®

Product Bulletin

Product Bulletin: Welch Allyn ECG Integration

Practice Partner Patient Records v9.3 now offers integration with the Welch Allyn CardioPerfect Resting ECG module. The Welch Allyn PC-Based Resting ECG module turns virtually any workstation into a full-featured electrocardiograph. And, with the integration between Patient Records, you can acquire, display, interpret, and store ECG results through the PCs that are part of your Practice Partner system.

Summary of Key Features and Benefits:

- ▶ **Integrated:** You can launch Welch Allyn's CardioPerfect directly from Patient Records, allowing you to review and modify interpretations from your Practice Partner PC.
- ▶ **Paperless:** ECGs are displayed and stored via the computer, reducing the need for printouts, filing, or scanning.
- ▶ **Improved Access & Quality of Care:** Historical ECG printouts and reports can be viewed from the patient's chart within Practice Partner, giving your staff easy access to this important information from any Practice Partner workstation.
- ▶ **Plain Paper:** When ECG reports need to be printed, they can be printed on plain paper instead of special ECG graph paper. With fax server software, they can also be faxed directly from a PC.
- ▶ **Low Cost of Ownership:** Never again pay for expensive ECG components, including paper, stylus, print heads, motors, or other moving parts found on traditional ECG machines.
- ▶ **Comprehensive:** Preview a complete 12-lead report onscreen prior to printing. Large screen display saves time and eliminates repeat ECGs.
- ▶ **Serial Comparison:** Serial comparison of previous ECGs provides an easy way to compare changes over time

How does the Welch Allyn ECG work within Practice Partner?

Using the Welch Allyn ECGs through Practice Partner is simple. After prepping the patient and applying the electrodes, the electrode wires are connected to a small device (called the ECG Acquisition module) that is plugged into your workstation. This device converts the signal from patient into a digital signal that can be processed by the computer. Within Practice Partner, you select a patient's chart and launch the CardioPerfect software that receives the patient's signal, provides a real-time 12-lead display, and allows you to perform the 12-lead analyses. Results from the integrated ECG are stored in the Practice Partner Patient Records. To access historical ECGs, simply open the patient's chart and click on the ECG tab.

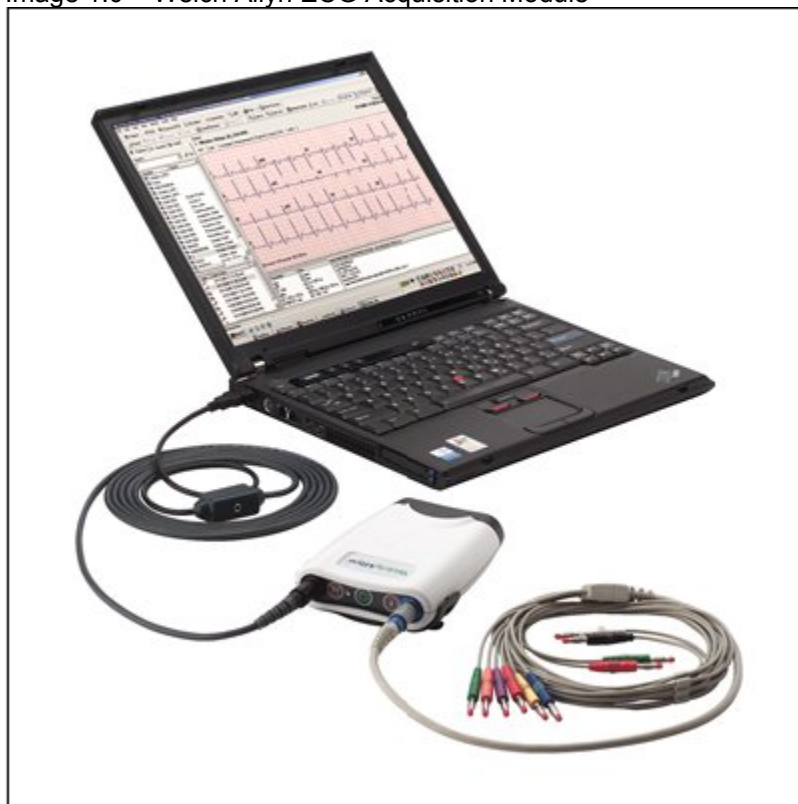
What is included with the Welch Allyn ECG and how I do a purchase one?

The Welch Allyn ECG consists of the following components:

- ▶ An ECG Acquisition Module
- ▶ CardioPerfect Workstation Software
- ▶ CardioPerfect FileLink connectivity license
- ▶ Digital ECG patient cable

To purchase the Welch Allyn ECG, please contact your McKesson Medical-Surgical representative or Welch Allyn at 1-800-535-6663. Please note that your McKesson Practice Partner representative does not sell the Welch Allyn ECG device.

Image 1.0 – Welch Allyn ECG Acquisition Module



How do I purchase the Welch Allyn ECG integration and what is the price?

There is a \$650 per ECG device fee for Welch Allyn ECG to Practice Partner integration. This fee includes software configuration, training and implementation so that you can fully take advantage of this exciting new capability.

Can I perform ECGs using an integrated Welch Allyn-Practice Partner solution over a Thin Client network like Citrix or Terminal Server?

Yes. However, you will need to use a *serial* connection between the thin client and ECG Acquisition module; the system currently does not support a USB connection. A Welch Allyn specialist will provide a technical assessment of your practice to make sure that you receive the appropriate device based on your network configuration.

What are the hardware and software requirements?

To use the integrated Welch Allyn ECG device with Practice Partner, you will need to meet the following hardware and software requirements:

Software:

- ▶ Practice Partner Patient Records v9.3
- ▶ Welch Allyn CardioPerfect Workstation version 1.6.0 (purchased from Welch Allyn)
- ▶ Welch Allyn CardioPerfect FileLink Workstation tool version 1.1.3. (purchased from Welch Allyn)

Hardware:

► **Using a standard workstation or laptop (without Terminal Services or Citrix)**

Processor	Practice Partner Recommendation
RAM	2 GHz Pentium 4
System Drive	512 MB or higher
Network Card	10 GB

► **Using a Thin Client workstation, laptop or tablet (Terminal Services or Citrix)**

Processor	Practice Partner Recommendation
RAM	1 GHz Pentium 3 or 4
System Drive	256 MB or higher
Network Card	10 GB

How do I get training on the Welch Allyn ECG device?

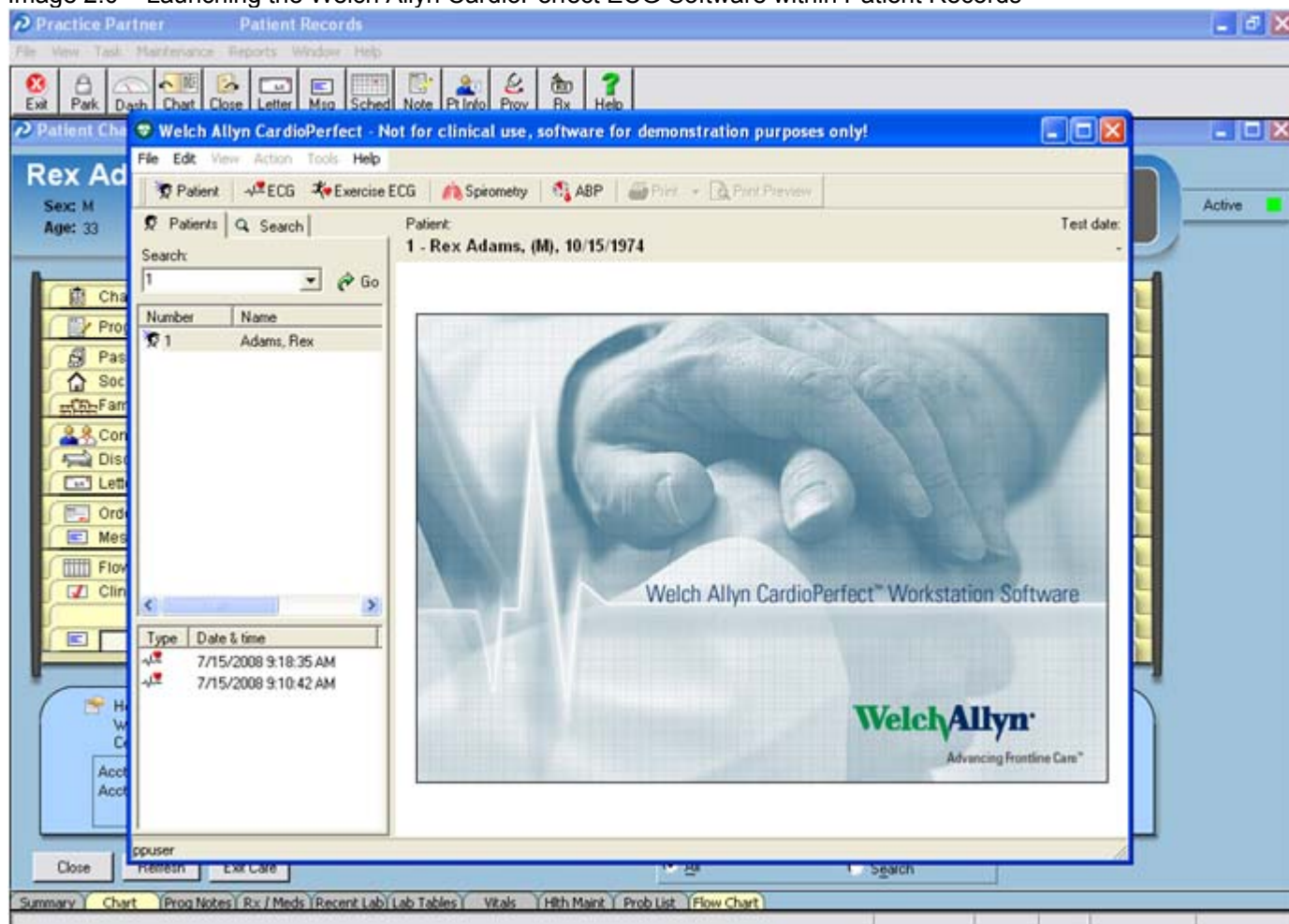
A Welch Allyn representative will provide onsite installation and training on how to use the ECG device. During the installation process, your Welch Allyn representative will coordinate with a Practice Partner implementation specialist to configure your system for integration. Your Practice Partner implementation specialist will also train you on how to use the integration features.

Who do I call if I have an issue with my ECG device?

In the event that you have an issue with your ECG device or CardioPerfect software, please contact Welch Allyn for assistance. If you have determined that your issue is related to the integration of your device, please contact Practice Partner. If you are unsure, you may call either Practice Partner or Welch Allyn, and our organizations will coordinate to resolve your issue.

Product Bulletin: ECG Integration

Image 2.0 – Launching the Welch Allyn CardioPerfect ECG Software within Patient Records



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Image 3.0 – Taking an ECG using Welch Allyn's CardioPerfect software within Practice Partner

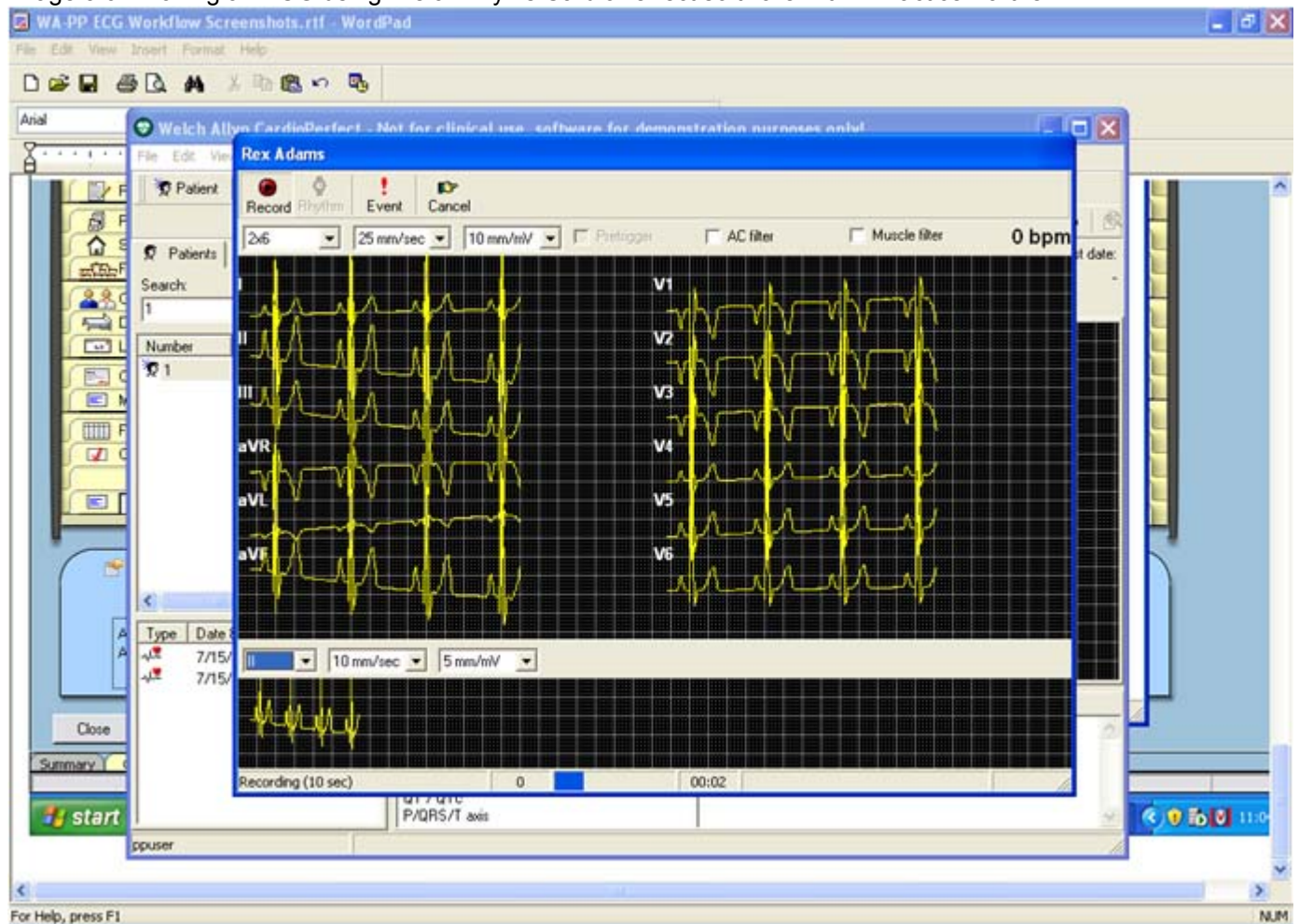


Image 4.0 – Storing ECG Interpretations in Patient Records

The screenshot displays the 'Practice Partner' software interface. The main window is titled 'Patient Records' and shows a patient record for 'Rex Adams'. The patient's ID is 1, Age is 33, and DOB is 10/15/1974. The ECG interpretation is dated 7/15/2008 at 11:04 AM, performed by WelchAlllyn EKG. The interpretation text is as follows:

7/15/2008 11:04:41 AM
 sinus rhythm
 right atrial overload
 P > 0.25 mV in II aVF
 P = 88 ms
 probable LVH
 age-corrected Sokolow index (SV1+RV5 or V6) = 6.8 mV
 age-corrected R in left precordial leads = 2.9 mV
 age-corrected vectorial R in extremity leads = 6.3 mV
 RSR' in V1 and V2
 very marked right-precordial repolarization disturbance, consider ischemia or LV overload
 very large negative T in V2 V3

The final conclusion is 'Abnormal ECG'. The interface includes a menu bar (File, Edit, Insert, View, Show, Task, Reports, Window, Help) and a toolbar with icons for Exit, Park, Dash, Chart, Close, Patient, Letter, Msg, Sched, Note, Pt Info, Prov, Rx, Orders, Pat Ed, and Help. On the right side of the ECG interpretation area, there are buttons for Close, Newer, Older, New, Edit, Print, Fax, Image, and Pt Comment. The bottom status bar shows the following information: Summary, Chart, Prog Notes, Rx / Meds, Recent Lab, Lab Tables, Vitals, Hlth Maint, Prob List, Flow Chart, 1, 33 Year, Male, Operator: PMSI, Provider: ABC, WebView.

Image 5.0 – Viewing Stored ECG Images

Welch Allyn CardioPerfect - Not for clinical use, software for demonstration purposes only!

File Edit Mail View Action Tools Help

Patient ECG Exercise ECG Spirometry ABP Print Print Preview

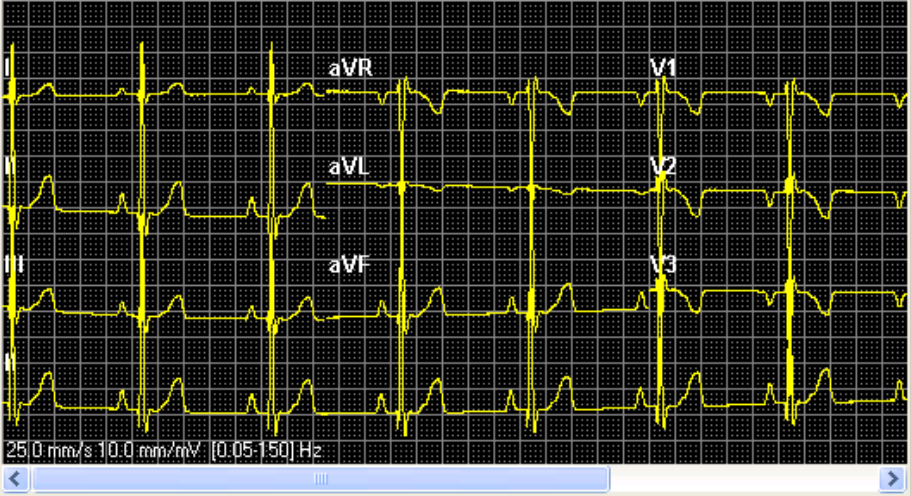
Send Reply Forward Delete Send/Receive Refresh Zoom in Zoom out Interpretation Info

Patients Search Mail

Search: 1 Go

Number	Name	Bi
1	Adams, Rex	10

4x3 2x6 Averages Measurements Rhythm



25.0 mm/s 10.0 mm/mV [0.05-150] Hz

Type	Date & time
ECG	9/23/2008 1:46:09 PM
ECG	9/23/2008 1:45:24 PM
ECG	9/8/2008 2:16:35 PM
ECG	7/15/2008 11:04:30 AM
ECG	7/15/2008 9:18:35 AM
ECG	7/15/2008 9:10:42 AM

Parameter Value

Age	33 years
HR	60 bpm
P / PR	88 ms / 167 ms
QRS	90 ms
QT / QTc	393 ms / 393 ms
P/QRS/T axis	69° / 70° / 72°

UNCONFIRMED INTERPRETATION - MD SHOULD REVIEW

- sinus rhythm (slow)
- right atrial overload
- P > 0.25 mV in II aVF
- P = 88 ms
- probable LVH
- age-corrected Sokolow index (SV1+RV5 or V6) = 3.4

ppuser