

# SUCCESS STORY: Welch Allyn CardioPerfect™ Workstation



#### COLLABORATORS:

VSG, VIR eCare, Welch Allyn

#### LOCATION:

The Netherlands

#### SUMMARY:

In the Netherlands, there is a significant loss of life each year when 150 – 200 people who exercise die of Sudden Cardiac Death (SCD). Forty percent of these victims are younger than 35. Mandatory cardiovascular screening for athletes to identify SCD risk factors could help. Collecting athletes' ECG data and using it for SCD research would also be beneficial. Using the Welch Allyn CardioPerfect Workstation, sports physicians can screen athletes effectively, and this data can be used by researchers to find a preventative solution.

*Welch Allyn CardioPerfect Workstation interface gives large boost to research for Sudden Cardiac Death (SCD)*



Starting in January 2009, physicians who work with Het Sportmedisch Dossier, a sports medicine patient record system, will be able to interface with Welch Allyn CardioPerfect Workstation software. VSG, the sports medicine society in the Netherlands, contracted VIR e-Care Solutions to create Het Sportmedisch Dossier for sports medicine physicians. Welch Allyn, a manufacturer of ECG systems used in many sports medicine offices, has worked with VIR e-Care Solutions to build the interface. With this interface, ECGs can be stored in a central database where they can be accessed as research material for scientific studies about Sudden Cardiac Death (SCD) in athletes.

Estimates show that each year in the Netherlands, 150-200 people who exercise die of SCD. Forty percent of these victims are younger than 35. Genetics, the type of sport being practiced, and the intensity of the exercise all count as risk factors. The big question is whether or not SCD can be prevented. Recent studies from Italy concluded that a mandatory cardiovascular screening could prevent as many as 60 percent of the sudden cardiac deaths in athletes younger than 35 years.



*In the Netherlands,  
150-200 people die  
of exercise-related  
SCD every year*

*Welch Allyn connectivity  
solutions and PC-based ECGs  
streamline the capture,  
storage and transfer of patient  
data with ease, saving time  
and improving efficiency*

*Mandatory cardiovascular  
screening could prevent as  
many as 60% of sudden  
cardiac deaths in athletes  
younger than 35 years*

Furthermore, little is known about the risk factors associated with SCD. In the Netherlands, there is a need to further investigate how to develop more effective preventative procedures. The arrival of the Sportmedical Patient Record and the interface with the Welch Allyn software can boost this research enormously. Previously, researchers had to go through great efforts to gather ECG information and to go through these materials manually. Now, with the central ECG database from the SportMedical Patient Record, researchers have access to all ECG information online for preventative cardiovascular screening.



*SportMedical Patient Record*

*A sample screen shot showing data captured by  
Welch Allyn CardioPerfect Workstation technology.*

VIR e-Care solutions and Welch Allyn created the interface so sports physicians can also work more efficiently. Through the SportMedical Patient Record, a physician can send a request to the ECG software, where the athlete's personal information is included. The software takes this information, records the ECG and stores all information on the PC, including the data and a unique record number for easy identification. This information can then be forwarded to the central database. Additionally, the physician can use the interface to gain access to the ECG again to add his/her comments.

To find out more about how the Welch Allyn CardioPerfect Workstation software can interface easily with your system and help bring solutions to your facility or practice, visit [www.welchallyn.com](http://www.welchallyn.com).

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