MI DIAGNOSIS FROM REFERENCE TO CARDIAC MRI

- Sites and Sizes of First-Time Reperfused Myocardial Infarction Assessed by Cardiac Magnetic Resonance can be Estimated by 12-lead ECG Engblom et al – Lund
- VVRED 2- The Virtual Visual Reconstructured Electrocardiographic Display Group – 2nd Workshop – Kornreich et al - Halle
- Computers in Cardiology 2007 Challenge Wagner et al – Durham

Sites and Sizes of First-Time Reperfused Myocardial Infarction Assessed by Cardiac Magnetic Resonance can be Estimated by 12-lead ECG Using the Selvester QRS Scoring System

Engblom et al – Lund

























VVRED 2

- Fred Kornreich
- Anton Gorgels
- Ge van Herpen
- Jan Kors
- Rob MacLeod
- Adriaan van Oosterom
- Ron Selvester
- Galen Wagner







There will be a direct relationship between: the number of ECG leads considered and the performance of the challengers

METHODS – End Point

 MI site and size determined by delayed enhancement Cardiac MRI

Conclusions

- 1. The ECG has capability for determining the site and estimating the serial sizes of healed first reperfused MIs
- 2. The VVRED Group can provide formulation of the challenges to the creators of ECG imaging
- 3. The CiC 2007 ECG Imaging challenge is a model of the scientific networking required for Inverse ECG – "Going back to the Heart using ECG imaging" – Rudy ICE 2006