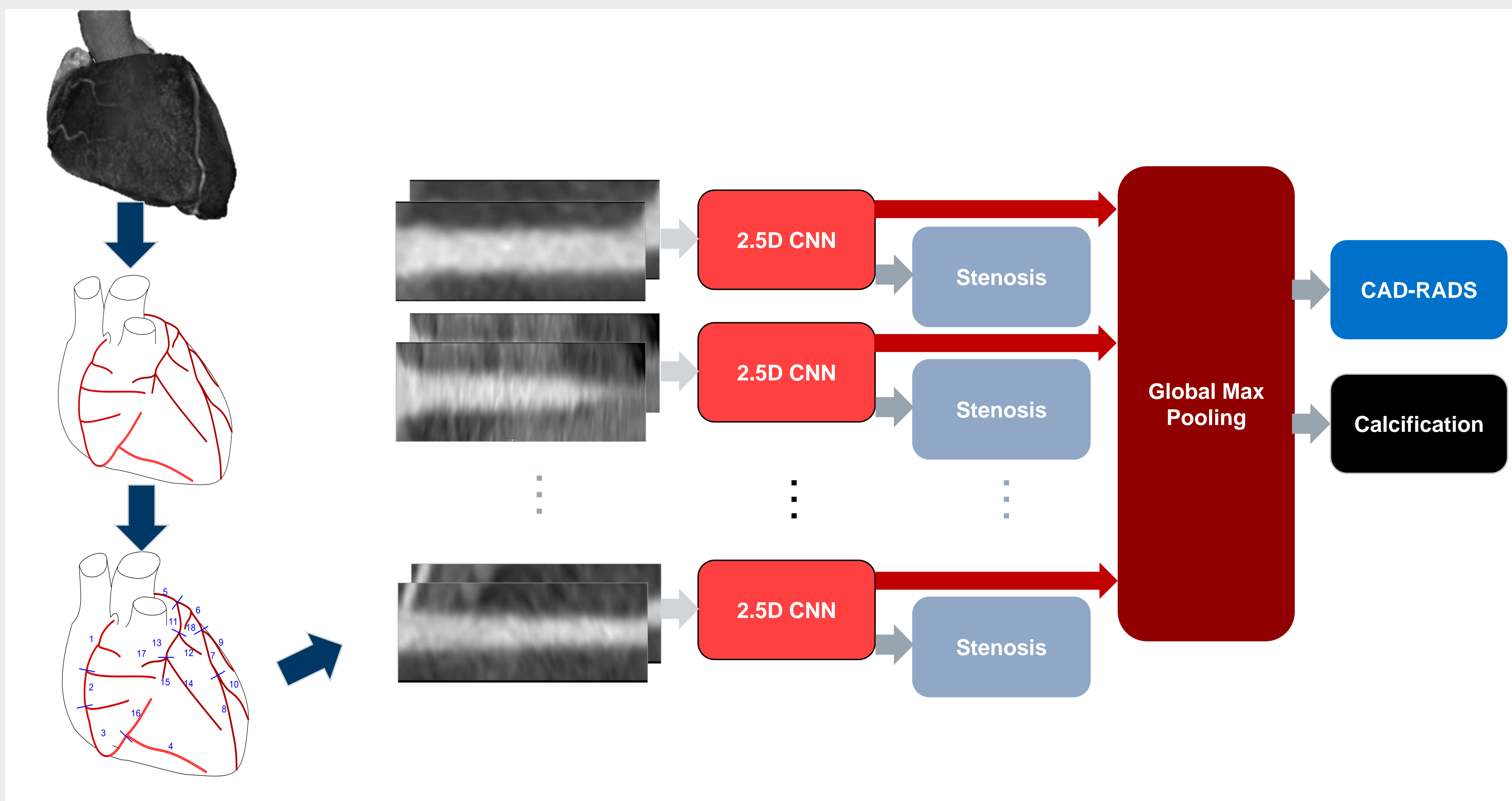


# Automatic CAD-RADS Scoring using Deep Learning

F. Denzinger, M. Wels, K. Breininger, M. A. Gülsün, M. Schöbinger, F. André, S. Buß, J. Görich, M. Sühling, and A. Maier

Coronary Artery Disease-Reporting and Data System – Standardized System for the Assessment of CAD

## Approach



## Main Contributions

Direct CAD-RADS Scoring from CCTA Scans

Task Specific Hierarchical Data Representation

First Approach to Predict All Six Grades


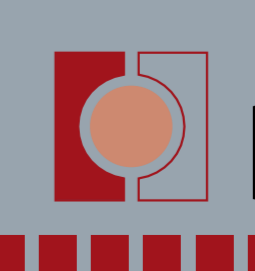
Data Collection of 2867 Patients

### Contact

Felix Denzinger  
Pattern Recognition Lab, Department of Computer Science, Friedrich-Alexander University Erlangen-Nürnberg, Erlangen, Germany

✉ felix.denzinger@fau.de  
☎ +49 9131 85 56 58 68

### Acknowledgements

SIEMENS Healthineers   Das Radiologische Zentrum