

Health-Related Quality of Life in Patients with Suspected Coronary Artery Disease Referred to Invasive Angiography or Computed Tomography

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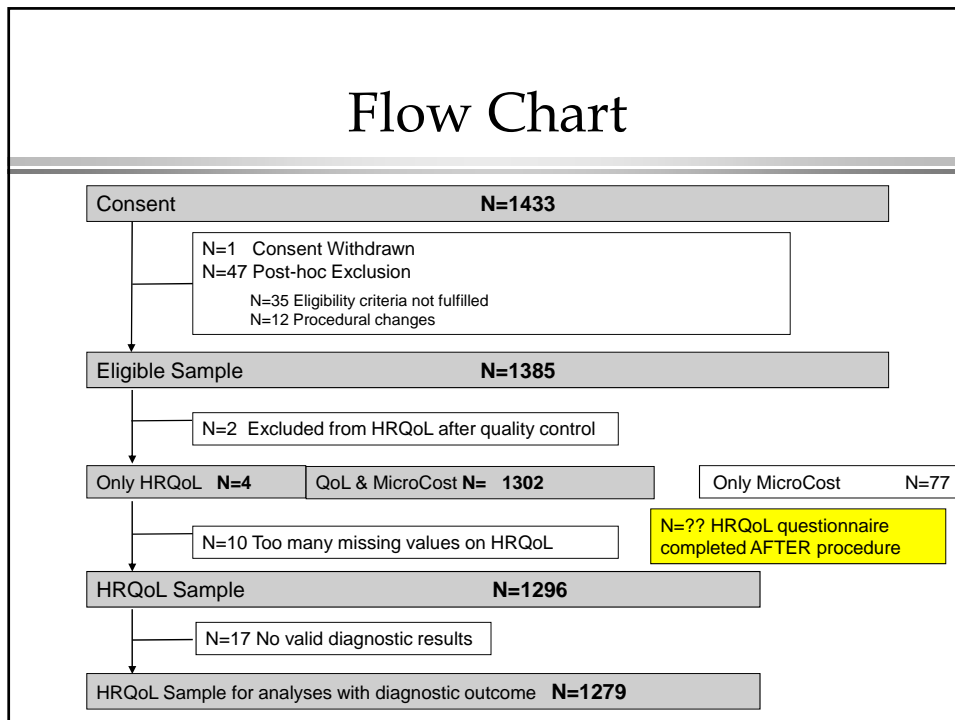


Aims

To

- analyze the convergent validity of several measures of health-related quality of life (HRQoL)
- analyze the relationship between HRQoL and chest pain (according to Angina Classification and the Rose Angina questionnaire)
- compare HRQoL in patients with pain of cardiac origin (positive for coronary artery disease, CAD) with HRQoL in patients with pain of non-cardiac origin (negative for CAD)

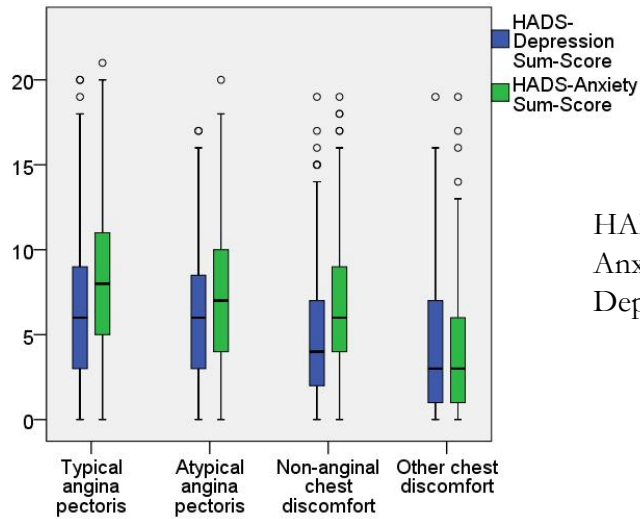
Flow Chart



Results

	Total Sample N=1296	ICA N=642	CT N=654
Age	61.1 (11.2)	63.6 (10.5)	58.6 (11.4)
% Women	582 (44.9%)	265 (41.3%)	317 (48.5%)
Angina Classification			
<i>Typical Angina Pectoris</i>	560 (43.2%)	322 (50.2)	238 (36.4%)
<i>Atypical Angina Pectoris</i>	363 (28.0%)	159 (24.8%)	204 (31.2%)
<i>Non-angina chest discomfort</i>	315 (24.3%)	133 (20.7%)	182 (27.8%)
<i>Other chest discomfort</i>	58 (4.5%)	28 (4.4%)	30 (4.6%)
% Diagnosed with coronary artery disease (after procedure)			

Depression and Anxiety

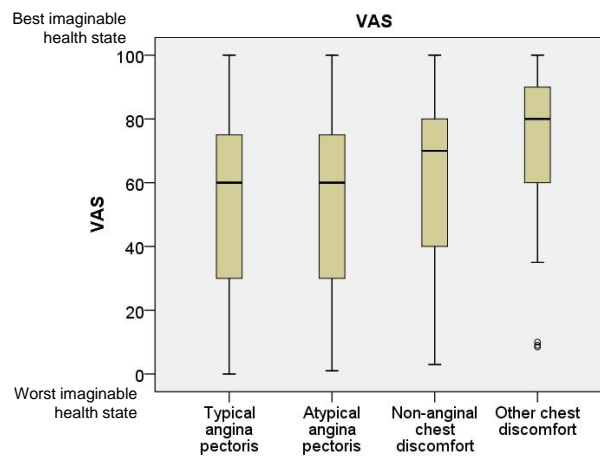


HADS = Hospital Anxiety and Depression Scale

All contrasts significant except Typical angina pectoris versus Atypical angina pectoris and Non-anginal vs. other chest discomfort (depression)

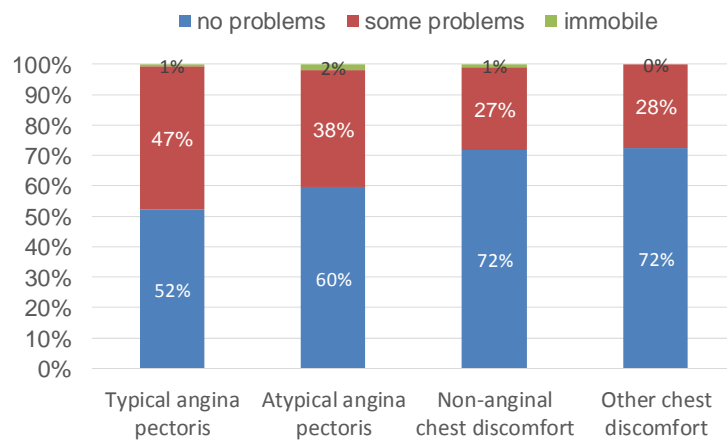
Self-rated health EQ-5D Visual Analogue Scale, VAS

„...how good or bad your own health is today.....“



All contrasts significant except Typical angina pectoris versus Atypical angina pectoris

Mobility (EQ-5D)



Conclusions



Few missing data



Most data correctly transferred



Significant associations between Angina Classification and HRQoL
=> Promising Results

Please verify that questionnaires were completed BEFORE diagnostic procedure!

Thank you for your attention

WP 10 Leader: Jacqueline Müller-Nordhorn
Analyses: Konrad Neumann



BACKUP

Measures

Generic

SF-12 v2 (4 week)	Health-related quality of life
EQ-5D-3L (EuroQol)	Health-related quality of life Utilities for different HRQoL states
HADS (Hospital Anxiety and Depression Scale)	Depression and anxiety symptoms

Disease-specific

Rose Angina questionnaire – short form	Severe and not severe exertional chest pain
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Analyses

- Multilevel analysis for the dimensions of HADS, EQ-5D VAS and EQ-5D-3L with angina classification as independent factor
- Each site regarded as one cluster
- Linear random effects model used
- A random intercept included to account for possible correlations arising from the clustered nature of the sample
- Intra-class correlation coefficient calculated to assess heterogeneity between the sites for each variable