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The Polish Left Main Coronary Disease Registry (POLEMICA)

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Presenter Disclosure Information

- Chairman of the Executive Board and co-owner, American Heart of Poland Inc.
- Shares' holder of NAFIS Inc, Intercard Inc.
- Chairman of Scientific Committee and Advisory Board, Balton Ltd

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POLEMICA: Polish Left Main Coronary Artery Disease Registry

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AIM:

- To describe the prevalence and clinical presentation of left main coronary artery disease in Poland.
- To evaluate current trends in treatment of left main coronary artery disease and its short and late outcome.

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METHODS

- The registry has been created as a sub-analysis added to national, electronic Data Base of Polish Cardiac Society and Polish Society of Cardiothoracic Surgery
- The data collected from 43 cath labs in Poland
  - Total: between Nov. 2005-Dec 2008: 5 196 pts
  - I stage: between Nov 2005 and Dec 2006: 1647 pts

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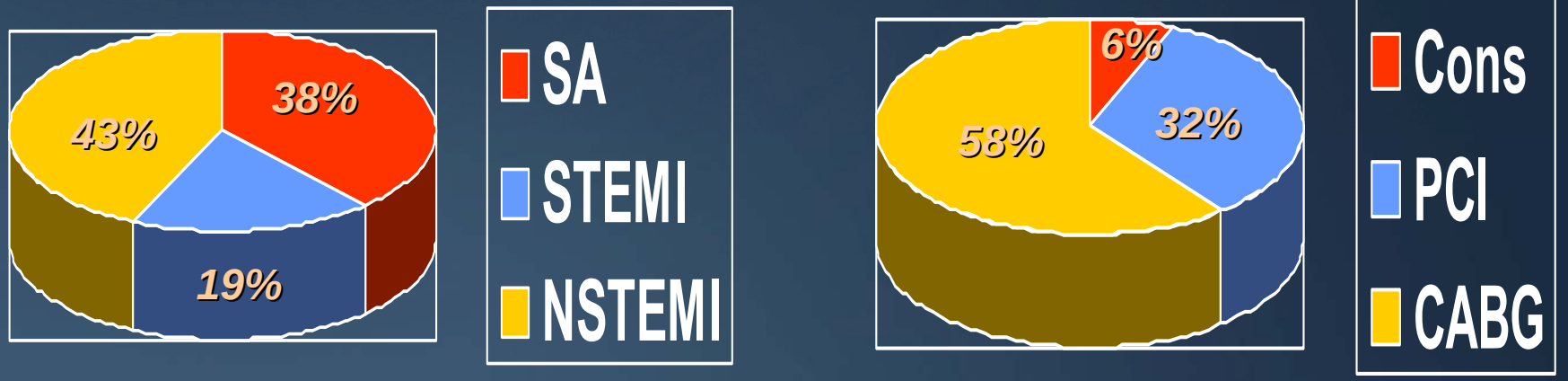
Total : 5196



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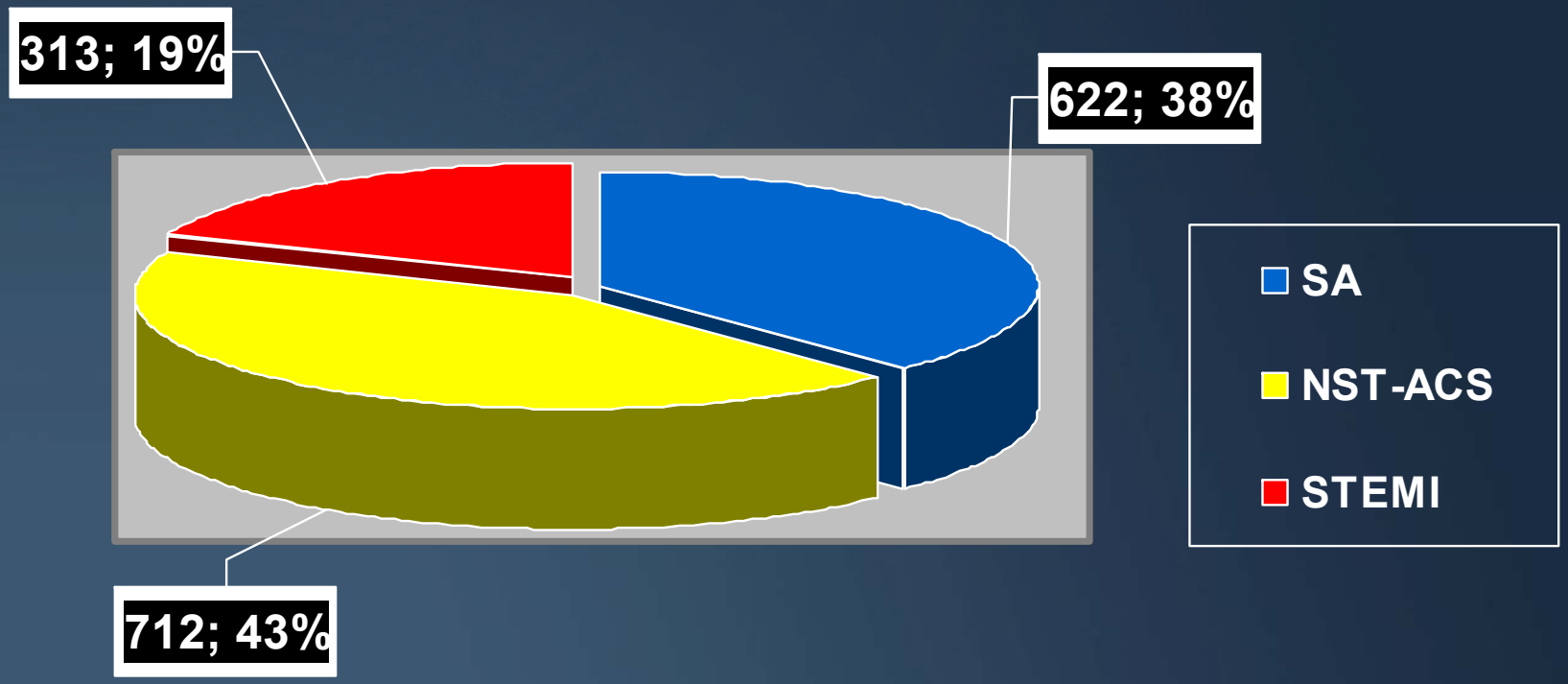
Preliminary results:

N=1647 pts with LMCAD (>50% DS)
2.5% of pts undergoing coronary angiography



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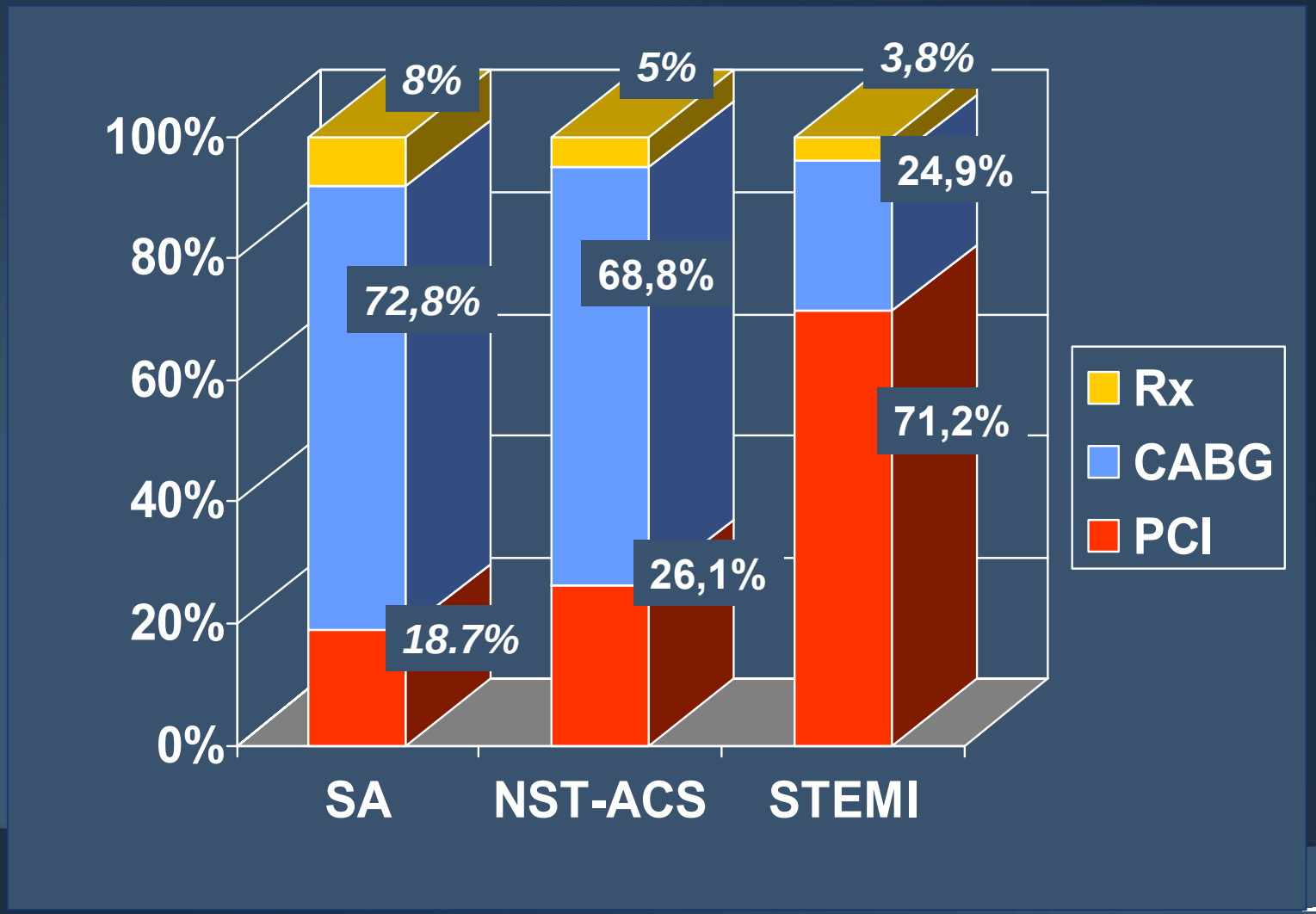
Intention to treatment



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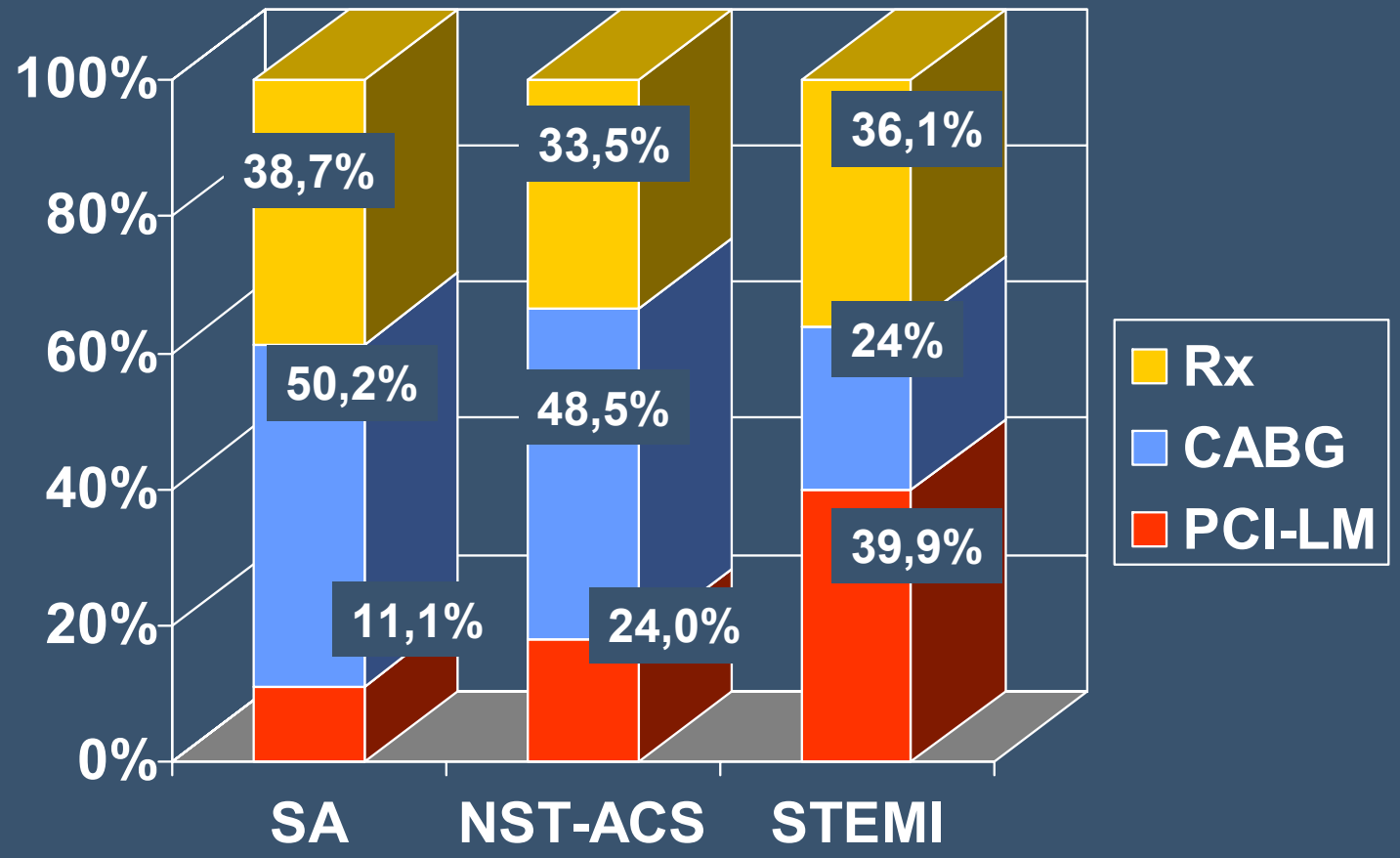
Index Procedure



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Comparison of patients' cohorts: LM-PCI vs CABG vs Rx

Risk factors	LM-PCI	CABG	Rx
Age	65,5	66,3	67,7
Stable angina	11%	50%	31%
Euroscore >6	66,7%	1,74%	62,7%
LVEF<30	14%	3,3%	11,1%
Killip IV	26,4%	2,8%	7,7%

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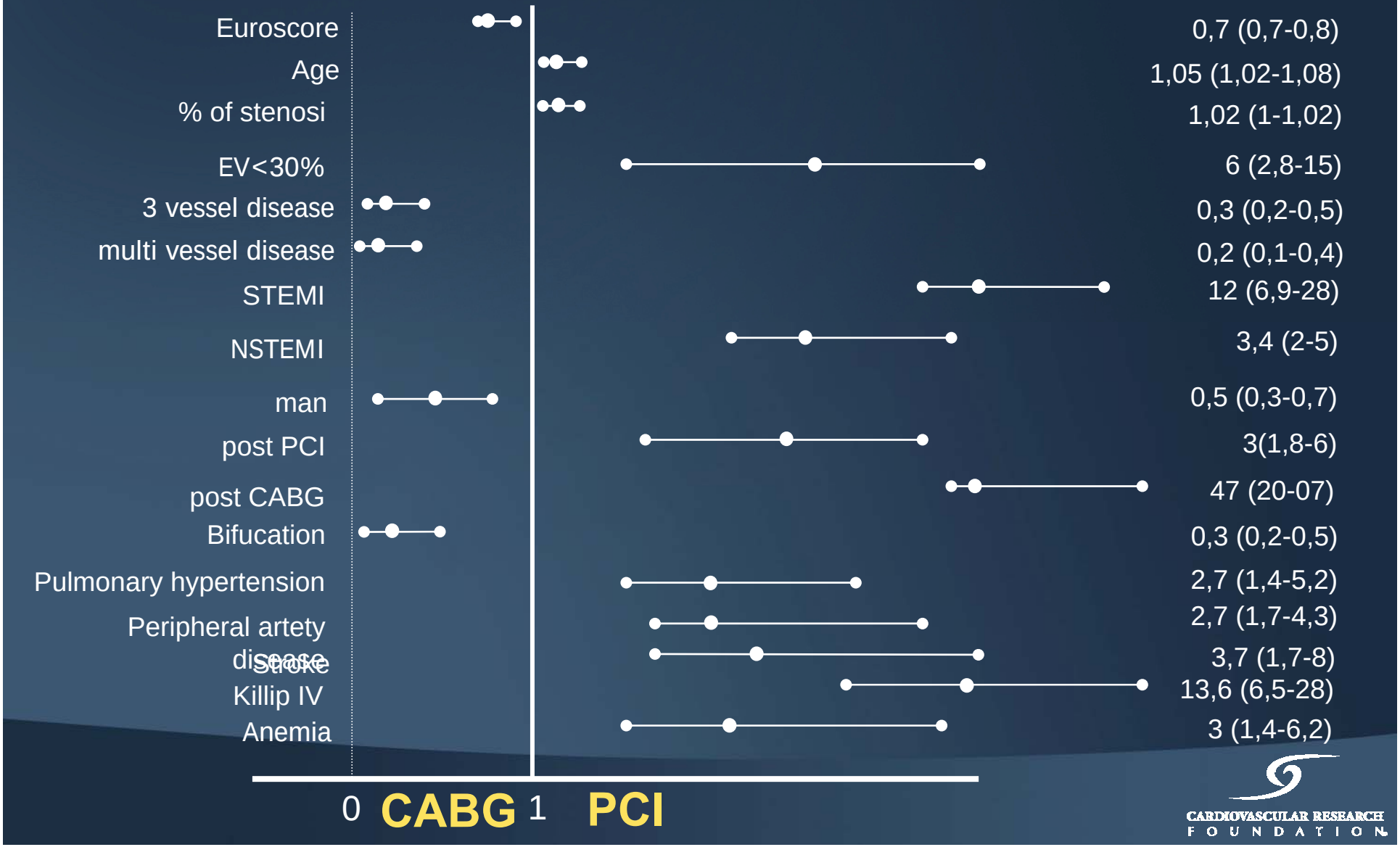
Factors influencing treatment selection
Index procedure : PCI vs CABG



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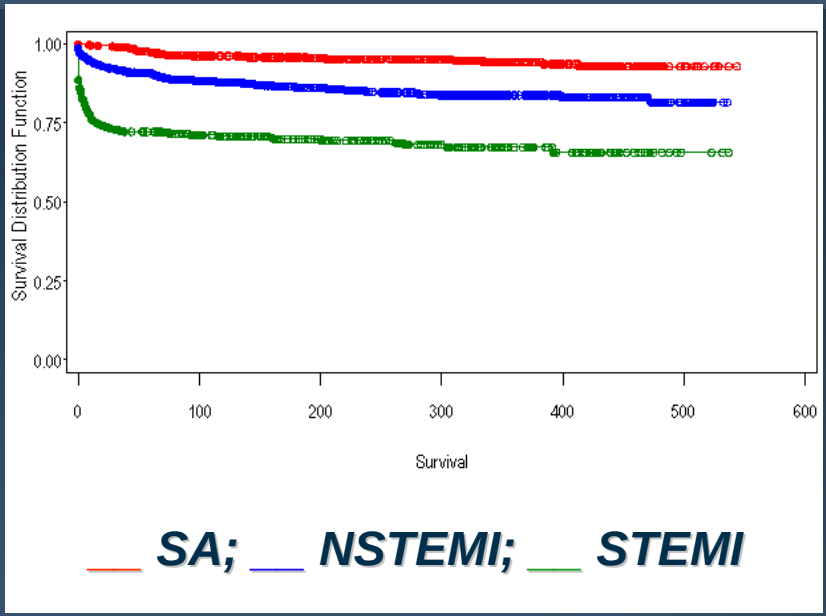
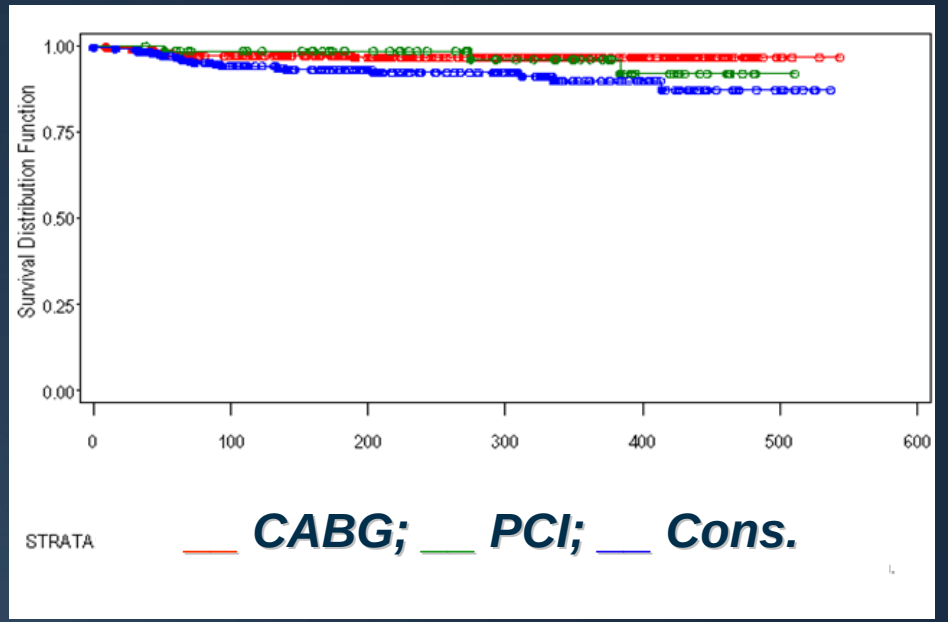
Long term survival

Total



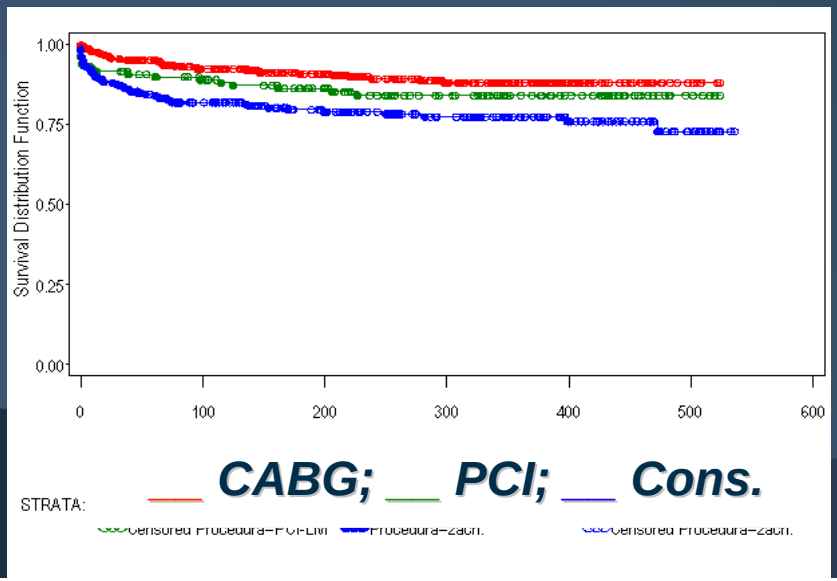
___ SA; ___ NSTEMI; ___ STEMI

Stable angina



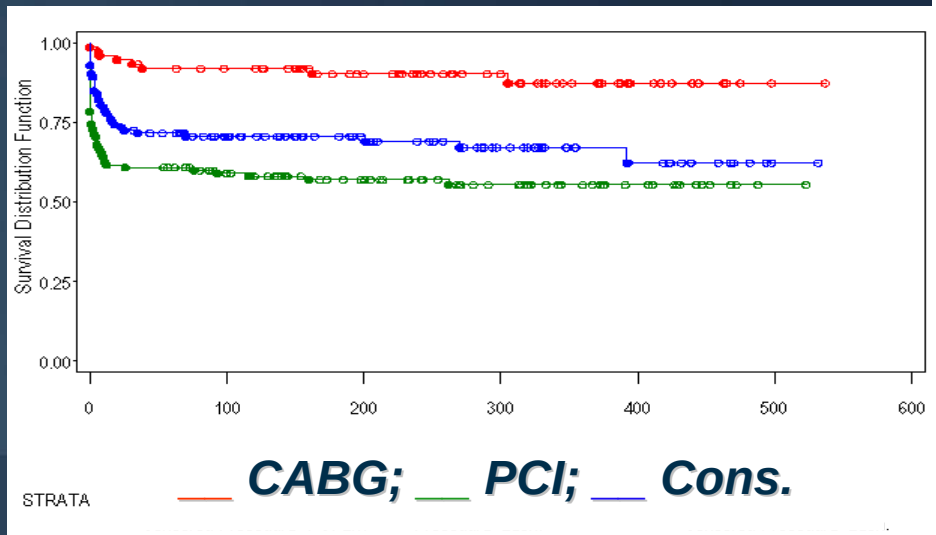
___ CABG; ___ PCI; ___ Cons.

NST-ACS:



___ CABG; ___ PCI; ___ Cons.

STEMI



___ CABG; ___ PCI; ___ Cons.

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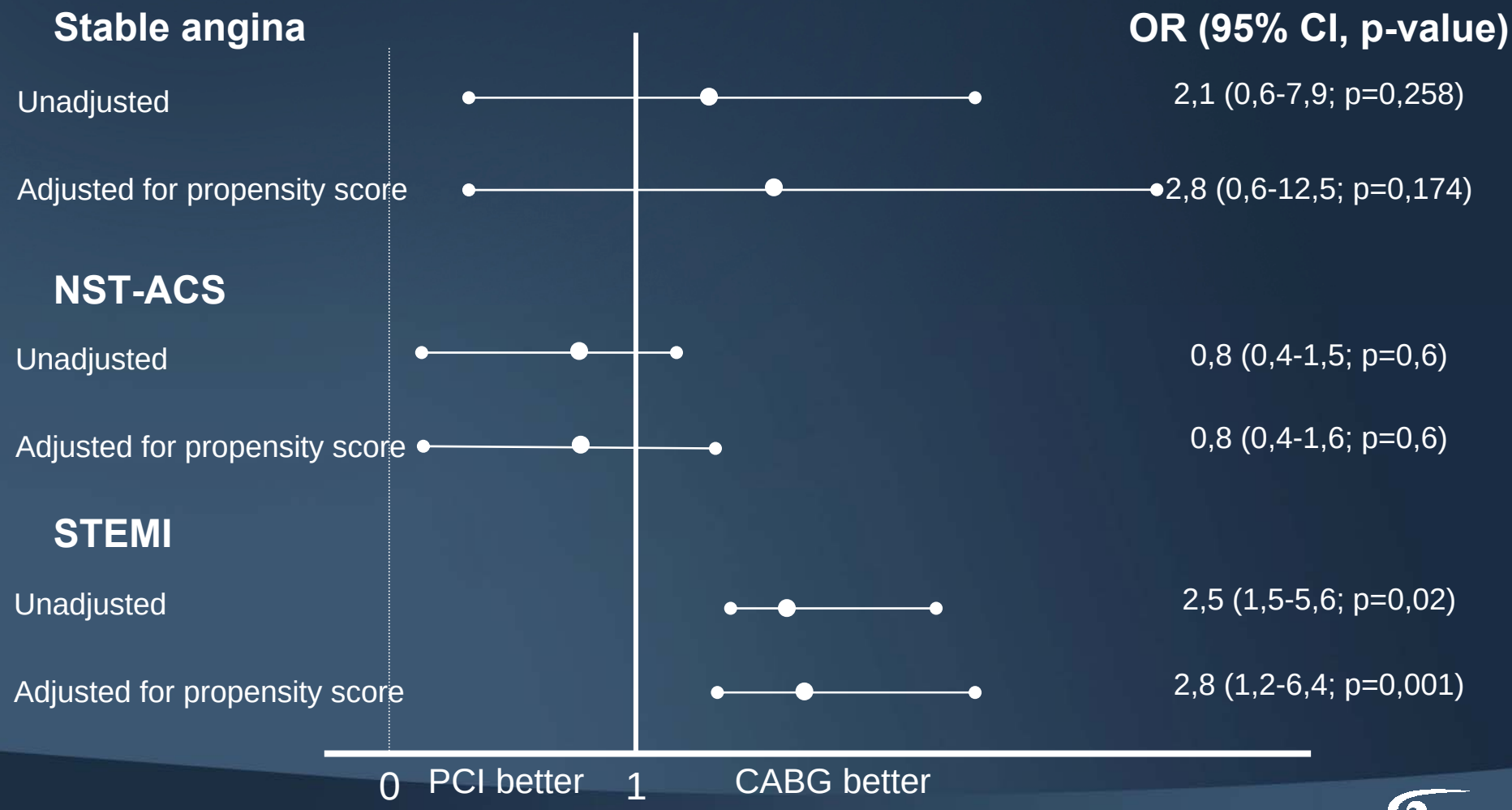
Death adjustments LM-PCI vs. CABG



Covariates: Euroscore, age, sex, KILIP IV, LVEF

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CONCLUSIONS

- Despite preliminary intention to treat LM coronary artery disease with CABG (ca 70%), only 50% of patients with SA or NST-ACS underwent surgical revascularization.
- 11% of patients with SA and 24% with NSTE-ACS underwent PCI
- Propensity score shows similar results after PCI and CABG in SA and NST-ACS, and better results in STEMI
- Further statisical analysis will need to be applied to compare efficacy of different treatment strategies in different cohort of patients