

Study outline



CSB Consorci Sanitari de Barcelona



Kick-off meeting
September 28-29, 2009
Barcelona

Objectives

- To develop a valid standardised monitoring systems that permit European hospitals to benchmark themselves in a European ranking of outcomes for procedures used in coronary heart disease patient management.

Disease & procedures

- We will consider in-hospital case-fatality as the outcome indicator in patients admitted for an acute coronary syndrome (ACS) with a discharge diagnosis of myocardial infarction (MI) or unstable angina (UA) and undergo coronary angiography, thrombolysis, or percutaneous revascularisation (angioplasty with or without stenting).

Methods

- We will validate several risk functions (GLM multilevel models) with different levels of adjustment, developed in EUPHORIC DG SANCO project 2004-08, and
- We will develop new ones. The validation will be performed on a sample of 200 consecutive MI or UA patients from 10 hospitals per recruiting country (70 hospitals, 14000 patients in all).

Project expected outcome (I)

- A set of validated hospital mathematical functions suitable to benchmarking cardiovascular procedure and disease management of European Hospitals that can be self-administered to hospitals via web site or by a downloadable program.

Expected outcome (II)

- Once the final versions of the benchmarking functions are validated, they will be posted on the project web site with appropriate disclaimer and user contract specifications and a large sample of European hospitals invited to register and use them to benchmark themselves.

Quality control & recruitment rates

- Recruitment objectives: 30% by 12th month, 70% by 24th month and 100 by 32nd.
- Hospitals invited to self benchmark
 - The response rate will be used as an indicator of diffusion and impact on target group.