



IST-2001-33049 – PROTOCURE

Improving medical protocols by formal methods



■ Objectives:

- evaluation of the feasibility of the use of formal methods for quality improvement of protocols

■ Description of the work. Steps:

- (1) take 2 real-life reference protocols,
- (2) formalise them,
- (3) check the formalisation for interesting protocol properties,
- and (4) determine how many errors can be uncovered in this way.

■ Expected results:

- a consolidated formal language to model protocols, 2 formalised protocols, a list of properties that protocols should verify, verification proofs for the 2 formalised protocols, and perspectives of the potentials for this approach.





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■ List of participants:

- Vrije Universiteit Amsterdam, NL (coordinator); Technical University of Vienna, A; University of Augsburg, D; Dutch Institute for Healthcare Improvement, NL; and University of Aberdeen, UK.

■ Total cost and Community funding:

- EU 112.725, with an EC contribution of EU 100.000.

■ Project start and duration:

- December 1st, 2002, with a duration of 12 months.

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