Scientific Methodology in Clinical Research on Perioperative Risk

Area: Cardiology (5131)

Created:
CCP: 25/10/2011   CPG: 24/11/2011   CoPGr:
Active since: 24/11/2011   Data de desativação:

Hours
Total: 45 h   Theoretical: 5 h   Practical: 3 h   Self-study: 7 h

Credits: 3   Duration: 3 weeks

Faculty members responsible: 183801 - Daniela Calderaro - 24/11/2011 until this date
191992 - Bruno Caramelli - 24/11/2011 until this date

Objectives:

To enable medical and non-medical researchers to elaborate, execute and analyze research projects and clinical trials on the topic “Perioperative cardiovascular risk”.

Background:

The use of the strategy of determining the perioperative cardiovascular risk has dramatically increased in clinical practice. The high incidence and ignorance of the mechanisms involved in the genesis of cardiovascular complications, the participation of several professionals with different areas of expertise and the need for better methods of risk stratification give support to scientific initiatives in the research field of “Cardiovascular perioperative risk” with two main objectives:
1. To improve the determination of the risk of perioperative complications;
2. To provide strategies that may reduce the occurrence of these complications.

Content:

Theoretical lessons:
1. Pathophysiology of Perioperative Cardiovascular Events
2. The coagulation system in the surgical environment
3. Perioperative clinical presentations
4. Importance: Epidemiology, Economics, Consequences
5. (Determinant) Risk variables: clinical and surgical
6. Reduction of risk of perioperative complications
7. Perioperative Risk Estimation - Algorithms
8. Scientific Research in Perioperative

Hours of study (Total 21 hours)

Bibliography:
and Operative Mortality in the United States. NEJM 2003; 349:2117-2127.

Assessment Method:
1. Performance and participation during lessons and discussions (faculty members responsible encourage participation and will attend classes) 2. Multiple choice exam.