

LTT-4106

Processing of Physiological Signals

Exam

7.4.2010

1. (15 p.) What are the assumptions made in ensemble averaging of evoked potentials? What about their validity?
2. (10 p.) Timing analysis in arrhythmia monitoring: what is the role of timing analysis and how it can be performed?
3. (15 p.) Adaptive segmentation
4. Explain/define the following terms
 - (5 p.) polysomnography
 - (5 p.) statistical independence
5. (5 p.) Feedback of the course:
 - did you find the course useful?
 - what could be changed in course arrangements (balance between theory and exercises, for example)?
 - topics that could be excluded from the course material
 - additional topics that could be included in the course material in the future