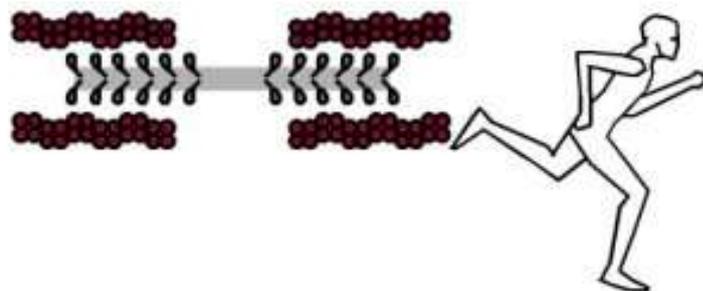


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Scientific experiments to estimate blood pressure using a new in-ear sensor

Cooperation project of the company cosinuss and Exercise Biology (TUM)

Master thesis in sports science

Start: as soon as possible

Project description

During the internship a literature review on continuous blood pressure monitoring should be conducted followed by various experiments with a new in-ear sensor (Cosinuss °Two) to measure blood pressure using different protocols and subjects.

Main research questions:

- Which techniques/devices to measure blood pressure exist at the market?
- Is it possible to measure blood pressure by optical devices at different conditions or activities of daily living?
- What are the advantages and disadvantages in comparison to references devices?

Requirements

Interested in modern techniques.

Supervision

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