**Medical Biophysics – Dental medicine – 2023/24**

Fridays 11,00-12,40 (room B11,228), Main lecturer Prof. Mornstein

Friday September 22nd

**Medical Devices: Introduction. Structure of matter.**

Friday September 29th

**Structure of living matter and how to study it**

Friday September 6th

**Thermodynamic principles. Thermodynamics and life**

Friday October 13th

**Biophysics of hearing and vestibular sense. Biophysics of visual perception. Sensory perception examination and aids.**

Friday October 20th

**Ultrasound diagnostics**

Friday October 27th

**Magnetic resonance imaging (MRI)**

Friday November 3rd

**Nuclear medicine and radiotherapy**

Friday November 10th

**X-ray Imaging.**

Friday November 17th

***State holiday***

Friday November 24th

**Safety aspects of ultrasound. Physical therapy overview.**

Friday December 1st

**Biosignals and their processing. Biocybernetics.**

Friday December 8th

**Resting and action membrane potential. Microscopy (Mgr. Vlk)**

Friday December 15th

**Healthcare informatics (dr. Bourek)**