

July 6th first year master students MSS will conclude the case with a posterpresentation of the results

## Program Track Medical Sensing and Simulation

### *Poster Presentation*

12.00- 15.30 NH124

*Paulien Engelbert, Bas Peters, Laurien te Nijenhuis, Annemarie Smid*

Patient-control study for diagnosing primary Restless Leg Syndrome using electroencephalography

*Meike van Sleuwen, Diantha Schipaanboord, Maud Schreijer, Lianne Tolboom*

Distinction between different sleep stages by means of analysing the oxygen saturation with Near Infrared Spectroscopy and an accelerometer

*Eva Kleinveld, Ilse Willemse, Lotte Stam, Marieke Reincke*

To what extent are surface electromyography of the submental muscle region and oxygen saturation measurement during swallowing able to investigate the degree of swallowing?

*Sijm Noteboom, Jeroen van Haaren, Sanne Feiner, Erik Golbach*

Synchronized measurement of EEG and EMG during REM sleep to replace part of the polysomnography

*Marjolein Klop, Maritta van Stigt, Jozine van Welij, Deborah Zagers*

Change in infraslow activity, a measurement of cortical excitability with electroencephalography in patients with epileps

*Sifra Blok, Silvana Riphagen, Olivier Paalvast, Douwe van der Steen*

Epileptic seizure prediction using a deep learning model for EEG data

*Thijs Schreijer, Arjen Pelgröm, Jasper Toebes, Ruben Smink*

Measurement of EMG during REM-sleep as a diagnostic method for narcolepsy

*Stanley Pham, Sven Stuiver, Bram Knipscheer, Nienke Langerak*

Diagnosis of REM-sleep behaviour disorder (RBD) using electroencephalography (EEG) and accelerometry

*Martijn Oude Wolcherink, Suzanne Stouten, Marianne Reintjes*

Early diagnosis of narcolepsy with the use of EEG by studying the differences in power of the frequency bands