

Papers included in the thesis

1. **Hjorth MF**, Chaput JP, Damsgaard CT, Dalskov SM, Michaelsen KF, Tetens I, Sjödin A (2012) Measure of sleep and physical activity by a single accelerometer: Can a waist-worn Actigraph adequately measure sleep in children? *Sleep Biol Rhythms* 10: 328-335.
2. **Hjorth MF**, Chaput JP, Michaelsen K, Astrup A, Tetens I, Sjödin A (2013) Seasonal variation in objectively measured physical activity, sedentary time, cardio-respiratory fitness and sleep duration among 8–11 year-old Danish children: a repeated-measures study. *BMC Public Health* 13: 808-817.
3. **Hjorth MF***, Kjeldsen J*, Andersen R, Michaelsen KF, Tetens I, Astrup A, Chaput JP, Sjödin A (2014) Short sleep duration and large variability in sleep duration are independently associated with dietary risk factors for obesity in Danish school children. *Int J Obes* 38: 32-39. ***Contributed equally.**
4. **Hjorth MF**, Chaput JP, Ritz C, Dalskov SM, Andersen R, Astrup A, Tetens I, Michaelsen KF, Sjödin A (2014) Fatness predicts decreased physical activity and increased sedentary time, but not vice versa: support from a longitudinal study in 8- to 11-year-old children. *Int J Obes* (doi: 10.1038/ijo.2013.229).
5. **Hjorth MF**, Chaput JP, Damsgaard CT, Dalskov SM, Andersen R, Astrup A, Michaelsen KF, Tetens I, Ritz C, Sjödin A. Low physical activity level and short sleep duration are associated with an increased cardio-metabolic risk profile: A longitudinal study in 8- to 11-year-old Danish children. Submitted to *PloS One* (In review).