Center for Interdisciplinary Sleep Research and Education

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Introduction
The CISRE provides integrated support for sleep-related clinical and translational research and education. The CISRE assists investigators developing and executing sleep protocols, serves as the scoring hub and data coordination center for single and multicenter trials, and offers a menu of customized services for sleep researchers from multiple disciplines.

In-Lab and Home Testing Services
• In-Lab Testing
• Home Testing

In-Lab Sleep Research Services Offered
• Standard Polysomnography (PSG)
• Intensive physiological monitoring
• Customized chronobiology setup and assessment
• Suggested Immobilization Test (SIT)
• Multiple Sleep Latency Test (MSLT)
• Maintenance of Wakefulness Testing (MWT)
• Time or staged intravenous drug administration
• Wiring and scoring support for Home Sleep Testing (HST)

In-Lab Sleep Research Center

Global Data Management Services

Center for Interdisciplinary Sleep Research and Education

Findings from Recent CISRE Supported Studies

Sleep Disordered Breathing
• Effects of Sleep Apnea on Nocturnal Free Fatty Acids in Subjects with Heart Failure [Jun et al. Sleep 2011;34(9):1207-1213]
• Sleep disordered breathing, fatigue, and sleepiness in HIV-infected and –uninfected men [Patil et al. PLOS ONE. 2014;9(7):e99258]
• Leptin and the control of pharyngeal patency during sleep in severe obesity [Shapiro et al. J Physiol 2014;116(9):1334-41]

Sleep and Diabetes
• Effects of Sleep Fragmentation on Glucose Metabolism in Normal Subjects [Stamatakis et al.: Chest. 2010;137(1):95-101]

Sleep and Substance Abuse
• Sleep Apnea in Young Abstinent Recreational MDMA (“Ecstasy”) consumers [McCann et al. Neurology 2009 Dec 8;73(23):2111-7]
• Cannabis use history and characteristics of quit attempts: [Pacek and Vandrey. Exp Clin Psychopharmacol 2014 Dec;22(6):517]

Sleep and Pain
• Evidence for Sustained Mechanical Pain Sensitization in Women with Chronic Temporomandibular Disorder Versus Healthy Female Participants [Quartana et al. J Pain 2015;16(11):1127-35]
• The Association of Sleep and Pain: An Update and a Path Forward [Finan et al. J Pain 2013 Dec;14(12):1539-52]

Sleep and Restless Leg Syndrome
• Response to IV iron in patients with iron deficiency anemia (IDA) and RLS [Mehmood et al. Sleep Med 2014 Dec;15(12):1473-6]
• MATPLM1, A MATLAB Script for Scoring of PLM: Preliminary Validation [Huang et al. Sleep Med 2015 Dec;16(12):1541-9]

Sleep and Traumatic Brain Injury
• Transcranial magnetic stimulation: A potential new treatment for depression associated with TBI [Reti et al. Brain Inj 2015;29(7-8):789-]

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