Laboratory title : CNRS USR 3413 - Pierre Philip

Supervisor

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Thesis title :
Wakefulness regulation in adults with Attention Deficit Disorder Hyperactivity

Keywords : Attention Deficit Hyperactivity Disorder (ADHD), cognition, sleep/wake, excessive daytime sleepiness

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Abstract
Role of homeostatic and circadian systems in wakefulness regulation in adult patients with Attention Deficit Hyperactivity Disorder (ADHD)

Interventional and observational study conducted in adult ADHD patients without psychostimulant treatment (for 72 hours) and healthy subjects.

We have demonstrated the existence of Excessive Daytime Sleepiness (EDS) to Testing Maintaining Awakening (MTCT) in 35% of adult ADHD patients. Among patients without organic sleep disorder, we can question the central origin of the SDE. Thus, we wish to determine potential changes in the regulation of the sleep / sleep cycle with an extended wakefulness protocol

Main objective
Compare objective excessive daytime sleepiness in sleepy ADHD patients and healthy subjects during an extended wakefulness protocol.

Secondary objectives
- Compare the characteristics of the homeostatic pressure in sleepy ADHD patients and healthy subjects during an extended wakefulness protocol.
- Compare the phase and amplitude of the circadian rhythm of central temperature in sleepy ADHD patients and healthy subjects during an extended wakefulness protocol.
- Compare subjective sleepiness (Karolinska scale) in sleepy ADHD patients and healthy subjects during an extended wakefulness protocol.
- Compare cognitive performance (reaction time, attention, flexibility) in sleepy ADHD patients and healthy subjects during an extended wakefulness protocol.

Qualification required
General knowledge of cognition and attention

Interest in Clinical Research