Application Description

BIOPAC offers a wide range of solutions for sleep/polysomnography applications. Automated sleep analysis, real-time filtering, multi-channel sleep recording, are some of the applications offered to receive accurate data records. In addition, BIOPAC offers hardware and software to complete sleep studies on small animals.

Advanced Features

• Actigraphy
• Animal Sleep Analysis
• Seizure Detection
• SpO2 Analysis
• Camera Systems—Multi-Subject Analysis
• And More

Selected Research Citations Below

Search online for more than 420 BIOPAC citations for Sleep Studies

Benefits of Motor Imagery Practice During Arm-Immobilization on the Sensorimotor Cortical Networks and Sleep Features

Sleep Is a Refreshing Process: An fNIRS Study

Sleep Preserves Physiological Arousal in Emotional Memory

Randomized Placebo-Controlled Clinical Trials Testing Gemfibrozil for Smoking Cessation and Melatonin for Alcohol-related Sleeping Problems
  Marie Nabil Samwel Gendy (2019) Department of Pharmacology and Toxicology, University of Toronto

Effect of Exercise Training in Heart Rate Variability, Anxiety, Depression, and Sleep Quality in Kidney Recipients: A Preliminary Study

Bidirectional Links Between Social Rejection and Sleep

Using Tracheal Breathing Sounds and Anthropometric Information for Screening Obstructive Sleep Apnoea During Wakefulness

Effect of Closed-Loop Vibration Stimulation on Heart Rhythm During Naps

Effects of LED Lighting Exposure During Sleep on Endocrine and Autonomic Nervous System Activity

Olfactory Connectivity Mediates Sleep-Dependent Food Choices in Humans

Study of Effects of Acute Sleep Deprivation on Inflammatory Markers, Oxidant Status and Autonomic Activity and the Relationship Between Their Changes

Watch Video Tutorials at the BIOPAC Website!