Application Description

Measure the time-varying gastrointestinal electrical activity of human and animal subjects, using invasive or noninvasive techniques. AcqKnowledge® includes all the necessary tools for accurate Electrogastrogram recording and analysis. For additional flexibility, record data wirelessly with the BioNomadix® BN-EGG module, or the Mobita 32-channel system. Analyze data using the EGG presets and examine the gastric wave classifications in detail, using the automated Gastric Wave Analysis tools.

Advanced Features

- Seizure Detection
- Automated EEG Analysis
- Wireless EEG and Cognitive State Analysis
- EEG Remove EOG Noise
- Stimulus Presentation Event
- And More

Watch Automated Analysis Video Tutorials at the BIOPAC Website!

Selected Research Citations Below

Search online for more than 820 BIOPAC citations for EGG: Electrogastrogram

Endoplasmic reticulum stress and unfolded protein response in diaphragm muscle dysfunction of patients with stable chronic obstructive pulmonary disease


Spontaneous nasalization: An articulatory investigation of glottal consonants in Thai

Sarah Ellen Johnson (2019). IDEALS (Illinois Digital Environment for Access to Learning and Scholarship)

Slowed gastric emptying and improved oral glucose tolerance produced by a nanomolar-potency inhibitor of calcium-activated chloride channel TMEM16A


Long-Chain Fatty Acid Receptors Mediate Relaxation of the Porcine Lower Esophageal Sphincter


Impact of Sleep Deprivation on Respiratory Motor Output and Endurance: A Physiological Study


Oral ingestion of a novel oxygenating compound, Ox66™, is non-toxic and has the potential to increase oxygenation


Quantifying Diaphragm Effort using Diaphragm Electromyography

L.C.M. Van de Werff (2019). University of Twente, Technical Medicine Programme

Performance Evaluation of Fixed Sample Entropy in Myographic Signals for Inspiratory Muscle Activity Estimation


The effect of apelin-13 on gastric ischemia/reperfusion injury: The roles of sensory nerves and nervus vagus


Enteric apelin enhances the stress-induced stimulation of Colonic motor functions