Record ECG data from one-, three-, or multi-lead montages and implement a fully automated LEAD II analysis or automatically classify heartbeats. Recording using a variety of different ECG lead placements allows users to study the properties of the ECG wave. AcqKnowledge® software contains powerful fully automated routines for Heart Rate Variability (HRV) and Respiratory Sinus Arrhythmia (RSA) with options for frequency domain and time series analysis. It is also possible to perform statistical measures of heart rate variability in user-specified time intervals (RMSSD, SDSD, and pNN50). Record ECG and blood pressure and use the fully automated Baroreflex Sensitivity analysis.

Selected Research Citations Below

Search online for more than 6,250 BIOPAC citations for ECG: Electrocardiography

- **Body Dissatisfaction and Mirror Exposure: Evidence for a Dissociation between Self-Report and Physiological Responses in Highly Body-Dissatisfied Women**

- **The Effects of Measuring Emotion: Physiological Reactions to Emotional Situations Depend on whether Someone Is Asking**

- **Unified Frame of Reference Improves Inter-subject Variability of Seismocardiograms**

- **Simulating Murder: The Aversion to Harmful Action**

- **Characterizing Psychological Dimensions in Non-pathological Subjects through Autonomic Nervous System Dynamics**

- **Differences in Kinematics and Heart Rate Variability Between Winner and Loser of Various Skilled Levels during Competitive Golf Putting Tournament**

- **Reduced Room for Cardiac Vagal Modulation to Increase and Cardiac Sympathetic Modulation to Decrease by Resting in Football Players**

- **Rapid Stress System Drives Chemical Transfer of Fear from Sender to Receiver**

- **The Psychology of Common Knowledge: Coordination, Indirect Speech, and Self-Conscious Emotions**

- **Unstable power threatens the powerful and challenges the powerless: evidence from cardiovascular markers of motivation**