



BIOFEEDBACK FOUNDATION OF EUROPE PILOT RESEARCH PROJECT

Physiological Dentistry Research

Project Title: Physiological Dentistry Research

Primary Investigator: Jeffrey S. Hindin, D.D.S.
HHSsystems LLC
2 Executive Boulevard
Suite 206, Suffern, New York 10901
(845) 357-1595
jhindin@verizon.net

Project Summary: Data from 10 subjects was recorded at three different clinics in the United States that specialize in the design and insertion of oral appliances (orthotics) to treat bruxism, craniofacial pain, sleep apnea and sleep disordered breathing. Data were collected by a group of leading dentists in the United States using the method, developed by HHSsystems LLC of Suffern New York, to monitor key indicators during the insertion and adjustment of dental orthotics. Dr. Jeffrey Hindin monitors EKG, Respiration, EMG, Temperature, Skin Conductance and other indicators, to provide objective measures to complement the subjective reporting of patients. A dental assistant attaches sensors to the patient and records a pre- and post-insertion baseline that shows changes as a result of the orthotic. The data provide treatment results that show general indicators that are consistent from practitioner to practitioner. The physiological data also correlate with other measures used in dentistry such as radiography. First indications from these data suggest that there is a clear correlation between the objective data being collected and the subjective responses of patients, that adjustment and balance of the orthotics can be significantly improved, that the number of visits required to do the adjustments could be reduced and outcomes significantly improved.