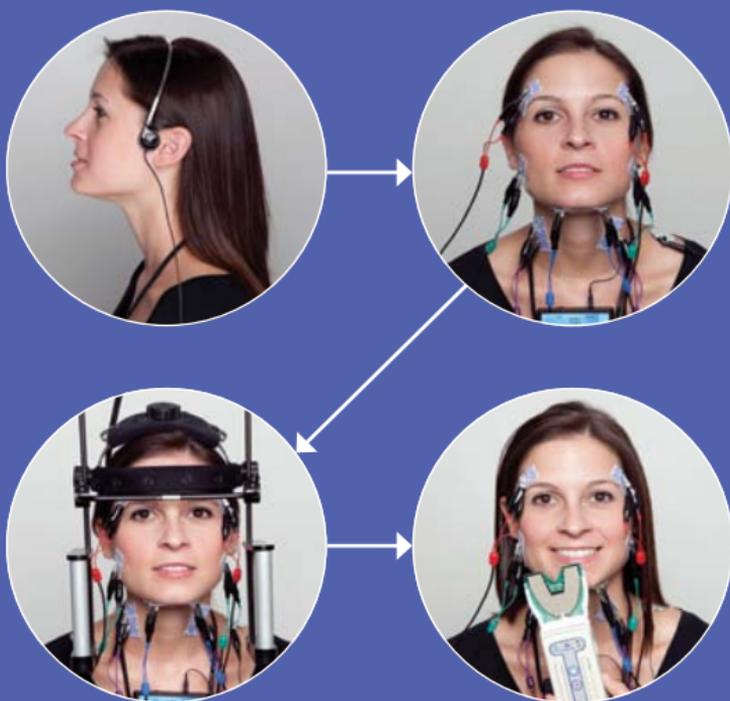


BioMETRIC INTERPRETATION, TREATMENT and APPLICATION

JVA, EMG, Jaw Tracking, T-Scan,
M-Scan & MLS Laser Therapy

**Orthodontics, TMD
Restorative Dentistry,
Sleep Dentistry**

2020



February 7-8 - Tampa
March 27-28 - Toronto
September 11-12 - Milwaukee
November 6-7 - Phoenix

Bio
RESEARCH

- Orthodontics
- Restorative Dentistry
 - TMD
- Sleep Dentistry

Your dental treatments are altering the vertical, lateral or A/P position of your patient's mandible and you know the need for quantifying the impact those changes are having on your patient's craniofacial physiology. Fewer and fewer clinicians are willing to guess about their reconstructive, orthodontic or cosmetic patient's craniofacial or stomatognathic health.

This seminar will teach the interpretation of 4 diagnostic aids for the stomatognathic system. **Joint Vibration Analysis** for the TMJ, **Electromyography** for the muscles of the head and neck, **Jaw Tracking** for 3D kinesiology studies and taking bite registrations and finally the **T-Scan Novus** for computerized occlusal case finishing.

These aids can be used separately or integrated into a single system. They are taught in tandem to help highlight the interplay between TMJ, craniofacial muscles, jaw movement and position and the occlusion.



Dr. Ray Becker

DDS, FAGD

BioMetrics Diplomate

Dr. Becker is internationally renowned as a pioneer, innovator, and integrator of advanced technologies in real world clinical dentistry. His focus as a full-time practicing dentist is on comprehensive, reconstructive, and esthetic dentistry. By using biometric philosophy/guidelines/protocols Dr. Becker is able to provide a fair and ethical framework which correlates with the patient's clinical needs, and goals while truly making occlusion a foundation of his practice.

Over his career he has obtained a wide range of clinical knowledge and skills ranging from practice management through advanced restorative dentistry. His dedication to continuing education is evidenced by his achieving the Fellowship award from the Academy of General Dentistry. In addition, he also received the International College of Dentist's award for 'outstanding achievement', and the Maryland Academy of General Dentistry Award for 'excellence in clinical proficiency and patient management'.

Dr. Becker has keynoted international conferences and has authored numerous journal articles, DVD's, and published works ranging from occlusion, lasers, CAD/CAM dentistry, through practice management. He has been sought out and actively involved on a developmental level by several companies including HCC, Unident, Sirona, and Isolite Systems. He currently has a strong working developmental relationship with BioResearch, and Sirona.

TO REGISTER

REGISTRATION

Space is limited! Tuition is \$1295 for doctors, \$995 for staff per person. Contact us at **800.251.2315** or go to www.BioRESEARCHinc.com and click on "Seminar Schedule." Or fill out form and mail or fax to us

Cancellation Policy

BioRESEARCH reserves the right to cancel any portion of this seminar for any reason. If you need to cancel, BioRESEARCH must be notified no less than 30 days before the seminar's date to receive a full refund. Cancellations less than 30 days prior to the seminar will be subject to forfeiture of the tuition in full, or the tuition in full may be applied to future BioRESEARCH seminars.



BioRESEARCH Assoc. Inc is designated as an Approved PACE Program Provider by the Academy of General Dentistry (AGD). The formal continuing education programs of this program provider are accepted by AGD for Fellowship, Mastership and membership maintenance credit.

Approval does not imply acceptance by a state or provincial board of dentistry or AGD endorsement. The current term of approval extends from 6/1/2018 to 5/31/2020. Provider ID: 211696. This course provides 14 hours of CDE credit. Only BioRESEARCH provides commercial support for this program.

BIOMETRIC REGISTRATION FORM

Please copy and fill out a form for EACH attendee.

Company Name _____

Name _____

Address _____

City _____

State _____ Zip _____

Phone _____

Email _____

Date/City Attending _____

VISA Mastercard

Name on Card _____

Card # _____

Exp. Date _____ 3 Digit # _____

Signature _____

Detach and mail to:

BioRESEARCH
4555 W. Schroeder Dr.
Suite 100
Milwaukee, WI 53223

Or Fax to: 414.357.7545

Call **800.251.2315** with any questions regarding registration or seminar.

COURSE OBJECTIVES

INTRODUCTION

- Review of anatomy and physiology of the stomatognathic system.
- Staging of internal derangements.
- The demand for paying attention to the stomatognathic system.

JVA – Joint Vibration Analysis

- What is it? Why Joint Vibration Analysis? How to integrate it and utilize your team.
- What does it do? What vibrations tell you and how they affect outcome.
- What it can't do?
- Applications of JVA and its unique benefits.

Jaw Tracking

- When, why, and how?
 - Hands on 1 or 2 patients
- Why use the Jaw Tracker? What advantages does Jaw Tracking provide when using JVA? Understanding and Interpreting data.

SURFACE EMG

- EMG: Identifying the muscles of mastication
- How to understand and interpret the following tests: Resting EMG's (sitting and standing), Function tests, Parafunction tests, Swallow test.
- Using an EMG to determine what appliance to use
- EMG with chewing analysis
- EMG with T-Scan occlusal analysis

M-Scan

- Determining proper vertical dimension of appliances
- Maximizing patient compliance and case acceptance.

T-Scan/Occlusal Analysis

- MIP, Orthotics, Excursions, Protrusion
- T-Scan EMG Link
 - Disclusion time reduction
 - Orthodontic case finishing for improved retention

MLS Laser Therapy Overview

- How laser therapy works
- Research review
- Applications
 - General dentistry
 - Craniofacial pain
 - Implantology
 - Surgery
 - Orthodontics
- Efficacy
- Contraindications
- Post treatment recommendations

TREATMENT AND APPLICATION

Diagnosis and Treatment Plan

Prognosis Based on Differential Diagnosis

- Stable or progressive: How do you decide on your type of treatment.
- Appliances
 - All recommended appliances
 - How to make them
 - Daytime versus nighttime wear
- Modalities
 - What modalities do you use
 - Expectations
 - Combination therapy
- Treatment time and efficacy
- How much do you charge
- What services do you bill for
- Demo/hands-on jaw tracker, EMG, JVA, and T-Scan testing using all technologies on selected case(s).