

## Lecture & Hands-On Workshop Outline

By Diego Velasquez, DDS, MSD

### TITLE: SUTURING BIOMECHANICS & SOFT TISSUE HANDLING IN MUCOGINGIVAL SURGERY



**Dr. Diego Velasquez, DDS, MSD**

Diplomate of the American Board of Periodontology

Diego Velásquez, DDS, MSD is a graduate of the Pontificia Universidad Javeriana School of Dentistry, Colombia. He was awarded an Ambassadorial Scholarship by The Rotary Foundation that allowed him to complete his postdoctoral training in Prosthodontics and Dental Materials at Indiana University School of Dentistry where he also received a master's degree in science of Dentistry.

**Date** Friday April 5, 2019

**Registration:** 8:30 am

**Time** 9:00 AM – 4:00PM

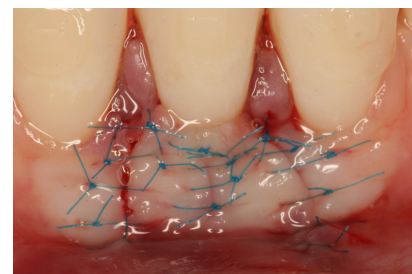
Breakfast and lunch will be served

**Location** Boler Mountain, Great Hall room. 689 Griffith St, London, ON N6K 2S5

**Tuition** \$499 (plus tax)

#### Summary:

Achieving primary wound closure and careful tissue manipulation are of paramount importance in mucogingival surgery. Striving to provide a healing environment that procures blood clot protection, stability of wound margins and intrinsic soft tissue tension release will be instrumental in facilitating wound healing and patient recovery.



The biomechanical aspects of suturing, together with a solid understanding of biologic, physiologic and anatomical features have the potential to minimize bone resorption and further loss of attachment around teeth. This is necessary to counteract the functional, environmental and behavioral factors that may lead to less than optimal healing.

#### Objectives:

1. Review concepts on wound healing as it applies to mucogingival surgery for both natural teeth and dental implants.
2. Practice suturing techniques understanding the importance of adequate suture and needle selection for different applications. Microsurgical principles will be emphasized.
3. Become familiar with different biomaterials utilized in mucogingival surgery for both natural teeth and dental implants.

#### Agenda:

- A. This program will have two primary sources of information and activity with a ratio of 1:3 for theory and hands-on activities.
  - a. Formal lecture discussing historical backgrounds, assessing biomechanical aspects of suturing and reviewing biomaterials applied in mucogingival surgical therapy.
- B. Hands on workshop on suturing utilizing synthetic, produce and animal models that will facilitate the interaction with different suture materials and biomaterials utilized in mucogingival surgical therapy.

