

The Speaker

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Course Description

Title: *“Win the Battle against Biofilm: Leverage the Power of Ultrasonics”*

This course is based on the current scientific literature and evidenced-based strategies to provide clinicians practical guidelines regarding the use of ultrasonic instrumentation. Ultrasonic instrumentation techniques will be covered extensively following the dental hygiene process of care and utilizing hands-on activities. Patient cases demonstrating successful treatment with ultrasonic instrumentation will be shared.

Course Objectives:

Upon completion of this course, participants will be able to:

- Differentiate the advantages and limitations of the various technologies which drive power scaling units
- Compare and contrast the three E’s of hand, sonic, and ultrasonic instrumentation techniques: effectiveness, efficiency, and ergonomics
- Describe the technology of ultrasonics and define key terminology, including acoustic streaming, acoustical turbulence, cavitation, lavage, frequency, power, and stroke pattern
- Identify and assess pretreatment considerations for the use of ultrasonic instrumentation to include patient’s medical history, clinical indications, and contraindications.
- Identify various modifying factors which influence and/or change instrumentation protocols such as root anatomy, furcations, and oral conditions.
- List criteria for the appropriate selection of ultrasonic inserts, both standard and modified.
- Demonstrate the correct technique for utilization of the ultrasonic scaler to include insert and power selection, lavage flow, grasp, fulcrum, tip adaptation, and stroke

- Implement ultrasonic instrumentation to facilitate thorough periodontal debridement and enhance clinical outcomes.