

3<sup>rd</sup> Euro Congress and Expo on

# Dental & Oral Health

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## Infection control in the dental office new perspectives stay healthy with the dental team

**Baha Munir Amro**

Rocky Mountain Human Performance, USA

Appropriate infection control in dental practice is a necessary, yet sometimes difficult, goal to accomplish. The documented risk of hepatitis B and the perceived risk for Human Immunodeficiency Virus (HIV) infection and Acquired Immunodeficiency Syndrome (AIDS) have substantially increased the application of infection principles and procedures by dental professionals.

Since the disease status of individuals with many infections cannot be routinely determined from a medical history or examination, the application of universal precautions for the dental treatment of all patients will be emphasized. The appropriate use of vaccines, barrier techniques and methods of instrument sterilization will also be stressed as fundamental infection control procedure. Participants will also discern how heat sterilization is monitored and periodically verified.

Disinfection procedures, aseptic technique, and waste management will be considered in the context of recently published regulations and guidelines to assist dental professionals in the implementation of an effective, yet practical infection control program.

[dr.2112@gmail.com](mailto:dr.2112@gmail.com)

## Taking endodontic practice to a new level with the er,cr: Ysgg laser

**Martin Grabois**

Baylor College of Medicine, USA

With the introduction of Cone Beam CT in endodontics it has become evident that many cases that appear healed on conventional dental radiography, present with evidence of periapical pathology when viewed with CBCT. This lecture will redefine endodontic treatment expectations based on 3-D evaluation and will present a treatment philosophy that incorporates laser therapy to achieve optimal outcomes.

The lecture will uncover the reality of persistent and recurrent endodontic infection using CBCT and will take a critical look at the inadequacies of current root canal instrumentation and irrigating techniques. Emphasis will be placed on laser disinfection of root canal systems as well as other applications of laser energy in endodontic practice.

[kolnickj@gmail.com](mailto:kolnickj@gmail.com)

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