

## Erbium Family Laser: Silent Revolution in Dentistry

**Nagy Abdulsamee**

Modern University for Technology & Information, Egypt

Erbium laser systems quickly began establishing themselves as compact and versatile additions to the dentist's repertoire, predominantly for performing hard tissue dental applications. Research has shown that their wavelengths are ideally suited for both soft and hard tissue procedures due to their high absorption in water and hydroxyapatite. Therefore these lasers are considered one of the most versatile with regard to the number of possible treatment options, as their wavelength can be effectively used in the field of soft and hard tissue surgery, periodontics, endodontics, implantology, cavity preparation, and tooth whitening. The versatility of the instrument, combined with the latest achievements in laser technology, compact design and affordability, should appeal to dental professionals seeking to optimize the procedures they currently perform and expand the number of services they offer which is the main aim of the current lecture.

### Biography:

Nagy Abdul-Samee Abdul-Hameed is a Formerly, Vice Dean for Graduate Studies and Researches, College of Oral and Dental Medicine, Misr University for Science & Technology, Egypt. Currently, he works as a Professor and Head of Dental Biomaterials, Faculty of Dentistry, Modern University for Technology & Information (MTI), Egypt from 1/9/2016 till now and also Member in the editorial board of many International Dental Journals. He made a lot of work shops about laser use in dentistry at many colleges of dentistry in Egypt and Lebanon. He is a Speaker in many national and international conferences.