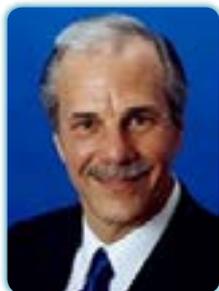


5th American Dental Congress

October 05-07, 2015 Philadelphia, USA



Mel A Burchman

Academy of Laser Dentistry, USA

Using dental lasers to treat the medically compromised patient

In today's modern dental practice, we come into contact with patients that have very complex and compromised medical histories. Dental lasers have allowed to treat many compromised patients while keeping these patients on all their daily medications and eliminating the need for additional hospitalizations. Cases will demonstrate laser techniques that will be able to incorporate into practice. Some of the conditions these patients had are secondary myeloplasmic anemia, blood disorders, pulmonary embolisms, heart surgery, severe lymphedema, cicatricial pemphigoid, Parkinson's disease, cancer, stroke and Bell's palsy. The final goals of this research are demonstrating the proper technique for laser hemostasis with diode and Nd:YAG lasers. Demonstrating pre- and post-op photo-bio-stimulation techniques with low level laser and demonstrating how to control severe tremors in a Parkinson patient with low level laser.

Biography

Mel A Burchman has maintained a general dentistry practice in Bucks County, Pennsylvania since 1976. In 2001 he received Advanced Proficiency in Nd: YAG from the A.L.D. In November 2003, he received the "The Science Behind the Clinic of Laser Dentistry" award at the 2nd Annual Academy of Laser Dentistry, Israeli Chapter meeting for his presentation on, "Nd:Yag and Diode Laser Therapy in the Medically Compromised Patient". In 2005 he received "Certified Laser Educator" status from the Academy. He received his "Certificate of Mastership" from the Academy in 2008. He has been published twice in the laser academy journal "Wavelengths" on "Lasers in the Medically Compromised Patient" and in 2012 received the "Leon Goldman Award" as outstanding laser clinician of the year from the ALD for this work. He served the academy as a Mentor, Examiner, Chairman of the Certification and Testing Committee, Chairman of the Bi-Laws Committee and a Member of the academy Board of Directors. In 2015 he was the General and Scientific Chairman of the ALD conference and is currently the secretary of the academy.

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