Dentists have seen significant advancements in the understanding of bone healing at the cellular and molecular level, which has led to techniques that have expanded the scope of oral implantology. In most cases, the extraction process will initiate a sequence of bony resorptive morphologic changes that may negatively alter the alveolar ridge. These changes are variable and, if significant, can eliminate the possibility of future implant placement.

Tooth extraction is a common practice in a dental office. The proper management of an extraction case starts with the diagnosis, treatment planning and should lead to the appropriate execution of the treatment. This lecture will focus on identifying risks and potential difficulties prior to extraction of a tooth, management of extractions in the most a-traumatic way possible as well as the decisions for post extraction manipulations such as ridge preservation and suturing techniques.

Principles for soft tissue management and sutures will be discussed and demonstrated. Hands-on component to practice post-extraction suturing techniques will follow.

**EDUCATIONAL OBJECTIVES**

1. Understand and recognize the difficulties and challenges in tooth extractions.
2. Discuss the options following tooth extraction including ridge preservation and suturing.
3. Practice useful suturing techniques with the proper instrumentation.

**LIRAN LEVIN, DMD, FRCPC, FADI, FICD,** is a professor of periodontology at the Faculty of Medicine and Dentistry, University of Alberta, Canada. He is also a visiting professor at the Harvard School of Dental Medicine, Boston, MA. Prof. Liran Levin was the Head of Research at the School of Dentistry, Rambam Health Care Campus, and Faculty of Medicine - Technion IIT Haifa, Israel. Prof. Liran Levin received his DMD degree with distinction at Tel Aviv University and completed his Post Graduate Periodontology Program at the Department of Periodontology, Rambam Health Care Campus. He also received his Periodontology Specialist Certificate from the European Federation of Periodontology as well as a Fellow of the Royal College of Dentists in Canada in Periodontology. Prof. Liran Levin has published more than 260 articles and book chapters in the international professional literature and is involved in research mainly in periodontology, dental implants and dental trauma. He has been lecturing extensively both nationally and internationally in the fields of dental implants and periodontal diseases. Prof. Levin serves as an Associate Editor for the International Dental Journal, Scientific Associate Editor for the Quintessence International, Associate Editor for the Dental Traumatology and as an Editorial Board Member and a manuscript reviewer for some of the leading international professional Journals in the fields of periodontology, dental implants, dental trauma and general dentistry. Prof. Levin has served as The Chairman of the Ethics in Dental Research Committee of the International Association for Dental Research (IADR). He is currently the President-elect of the International Association for Dental Traumatology (IADT).

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