

Dentistry & Oral Care

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The evaluation of the significance and influence of tissue preparations as well as bonding and cementation on the success of longevity of a crown treatment as a fixed prosthesis

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The purpose of this presentation is to evaluate the significance and influence of tissue preparations as well as bonding and cementation on the longevity of crown treatments as a fixed prosthesis for clinical practitioners. The reflection of teeth features on prepared hard tissue increases dramatically the stability factors such as the retention and resistance. Furthermore, the mathematical models illustrate the changes of the chemical bond's strength according to the prepared surfaces. The amount of used cement for fixing an artificial crown and how long it was compressed are other important factors that lead to achieving a successful crown treatment. In this presentation for the first time, it is demonstrated that the correct usage (quantity, pressure and time) of cements in an appropriate prepared core dominates the determination of the effect of agents on the retention.

Biography

Ali Nankali is a Clinical Lecturer in Oral Adult Health in the Barts and the London Medical and Dental School. He has a keen interest in restorative dentistry which led him to commence his extensive research on application of post and cores. Following his research, he proposed to the Scientific Board of the Orthopedic and Implant Department of the NMU. He was awarded his PhD in 2004 by National Medical University (NMU) in Kiev, Ukraine where he is registered as a Specialist in Prosthodontics.

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