To Seek a Longer Conservation Method of Tooth

Radwa El-Dessouky
Tanta UniversityFaculty of dentistry, Egypt

Perfect marginal seal is considered the first defense line of crowned tooth against caries, periodontal disease and hypersensitivity. It was an old concept that metallic margins achieve better adaptability than ceramics and hence metal-ceramic restorations were preferred by both dentists and patients in attempt to combine esthetics, strength and adaptability. All-ceramic crowns are popularly encouraged nowadays thanks to their excellent ability to mimic tooth structure in shade and translucency, biocompatibility and durability. Introduction of newer digital processing generations and ceramic sintering techniques together with the evolution of nano ceramics and resin ceramic hybrid materials are promising issues towards all-ceramic restoration with excellent margins. Additionally, certain details during tooth preparation and laboratorial adjustments were found to have a distinct effect on marginal fit of ceramic restorations. This article provides a brief overview about factors affecting marginal adaptation of ceramic restoration giving more focus on the effect of digital systems, nanoceramics and recent sintering techniques on ceramics marginal fit and longevity in the oral cavity.

Biography
Radwa El-Dessouky has completed her MD from Tanta University, Egypt. She works as assistant lecturer at Fixed Prosthodontic Department; Faculty of Dentistry at the same university.

radwael_dessouky@yahoo.com