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## Artificial floor technique: The biological concept for the treatment of furcation perforation

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Optimally, natural tooth structures should be used to repair a dental defect. If this is not possible, the objective should be shifted to creating the optimal circumstances for healing the defect with normal tissues or repairing it with a material that has the closest properties to the lost tissues. The objectives of repairing furcation perforations are to seal the dentin defect and provide suitable conditions for formation of a new periodontal attachment. Some materials may provide adequate seal but may interfere with the formation of periodontal reattachment while others may initiate formation of new bone and periodontal attachment but cannot adequately seal the dentin defect. This may result in leakage of bacteria and their by-products into the lesion with eventual failure. Since the furcation perforation involves different types of inter-related tissues, each tissue within the defect should be considered separately. Artificial floor technique applies the biological concept for the repair of furcation perforations considering the periodontal wound and the dentinal wound of the defect separately. This new concept allows for a better understanding for the management of furcation perforation.

### Biography

Hatem A. Alhadainy, BDS (Egy), MSD (Restorative, Egy), PhD (Endo, Egy-USA), MS (Epidemiology, USA) is a professor and Chairman of Endodontic Department, Faculty of Dentistry, Tanta University. His work was concentrated on Endodontic research with extension in periodontology and Epidemiology. Dr. Alhadainy finished his Bachelor (1982) and Master degrees (1989) from Tanta University, Egypt and PhD degree as a channel program between Tanta University and University of Memphis, USA (1995). He also earned a MS Degree from Colorado State University, USA (2006). He is currently the Chairman of Endodontics Department in Tanta University from Aug. 2013. He was course director of postgraduate courses for several years. Dr. Alhadainy published more than 40 researches in National and International journals and reviewed several articles for international journals. He also presented researches in several international conferences including: Memphis, Chicago, Dallas (USA), Damarcus (Syria), Budapest (Hungary), Florence (Italy) Sanaa (Yemen) and Egypt.

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