

Implant collar design for bundle bone preservation. Clinical and Experimental studies

The ability to counteract the alveolar ridge resorption, consequence of the teeth extractions, by installing a dental implant in the fresh extraction socket is also questioned. Bone dimensional variations that followed immediate implant placement and the factors that potentially influence them

Our studies were conducted to analyze the implant collar design position , also the new implant design which did not interfere in the peri-implant bone loss around bundle bone

Different factors that may affect tissue alterations at the buccal and palatal aspects such as bone thickness of the bone crests. Our study demonstrated that the bone response is influenced by the implant-surface topography, macro and micro geometry and that lead to a stronger bone-to-implant contact (BIC) and protect buccal and lingual bone crests.

An Experimental Study was evaluated in order to demonstrate and validate the clinical outcomes.