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POSTER PRESENTATION**Indications, design considerations, and clinical outcomes of implant-supported fixed prostheses****Mashael Saleh Saloum**

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Implant-supported fixed prostheses are a highly successful treatment option for replacing missing teeth, offering improved esthetics, function, and patient satisfaction. Design considerations play a crucial role in achieving optimal outcomes. Implant distribution and angulation should be carefully planned to ensure balanced load distribution and biomechanical stability. Occlusal considerations are vital to minimize mechanical complications and implant overloading, with proper adjustments and occlusal schemes implemented. The emergence profile should replicate natural tooth contours for esthetic integration and ease of oral hygiene maintenance. Material selection is essential, considering factors such as occlusal loading, esthetic requirements, and patient-specific considerations. Biomechanical analysis helps identify stress distribution patterns and optimize prosthesis design for long-term success. Patient satisfaction is high, with improved chewing ability, speech, and overall quality of life

reported. Long-term success rates exceed 90%, influenced by implant survival, peri-implant health, maintenance of prosthesis integrity, and patient satisfaction. Thorough patient assessment, treatment planning, precise surgical and prosthetic execution, and comprehensive follow-up care are crucial for favorable outcomes. Implant-supported fixed prostheses provide functional and esthetic restorations, enhancing oral health and overall well-being.

Biography

Mashael Saloum graduated from King Saud University, College of Biochemistry Science, in 2006. She completed the Dental Assistant Program at Prince Sultan Military Medical City Centre for Health Studies in 2009. She has been working as a dental assistant since 2009 and has served as Dental Assistant In-Charge for 10 years. She completed a Quality Improvement and Patient Safety course in 2013. She is currently a Dental Assistant In-Charge at Prince Sultan Military Medical City.