Meetings International

18th World Congress on

DENTAL HEALTH

September 22-23, 2025 | London, UK

The Prepless Approach for Cantilever Resin Bonded Bridge Using Computer-Aided Design and Manufacturing Technology for the Minimally Invasive Replacement of a Maxillary Central Incisor: A Case Report of a Rare Procedure

Hariri Ismail, Dabla Fahd, Zeyneb El Maddah El Idrissi and **Amal El Yamani**
Mohammed V University, Morocco

Replacing a maxillary central incisor in young patients presents both esthetic and functional challenges, particularly when implant therapy is contraindicated due to ongoing post-pubertal craniofacial growth. This case report describes the use of a prepless cantilever resin-bonded fixed dental prosthesis fabricated from lithium disilicate using a Computer-Aided Design and Manufacturing workflow to restore a maxillary central incisor in a 20-year-old female patient. The treatment involved selective removal of aprismatic enamel without conventional tooth preparation, promoting dental tissue preservation and adhesion. A silicone repositioning index ensured accurate clinical placement of the bridge . At 20 months, the restoration demonstrated excellent esthetic, biological, and functional integration. This technique represents a reliable, conservative, and esthetic alternative to implants in carefully selected young patients.

Biography

Ismail Hariri is an Assistant Professor in Fixed Prosthodontics and a researcher in dentistry. A specialist in oral surgery and prosthodontics, he has developed a particular interest in minimally invasive approaches and the integration of digital technologies (CAD/CAM) in prosthetic rehabilitation. He has published several scientific articles, including in the journal Cureus, with a rare case report entitled: "The Prepless Approach for Cantilever Resin-Bonded Bridge Using Computer-Aided Design and Manufacturing Technology for the Minimally Invasive Replacement of a Maxillary Central Incisor." His research focuses on optimizing prosthodontic techniques, tissue preservation, and modernizing prosthodontics education in Morocco. He has also participated in numerous oral communications and scientific posters and has supervised several undergraduate thesis projects. In addition, he serves as a member of scientific committees for dental congresses. Alongside his academic and hospital-based practice, he is actively engaged in the reform of dental residency training and in the ethical analysis of integrating artificial intelligence into clinical practice. He currently teaches and consults in private practice in Rabat. He earned his Doctor of Dental Medicine degree, pursued specialization in oral surgery, and successfully obtained the position of Assistant Professor in 2025. His areas of expertise include fixed prosthodontics, oral surgery, and educational innovation in dentistry.