

Parachute Technique for Insertion of Dental Prosthesis in IJR



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Abstract

Immediate Jaw Reconstruction (IJR) combines vascularized free flap with simultaneous implant placement and prosthetic loading. The **parachute technique** uses pre-placed untied horizontal mattress sutures to allow unobstructed prosthesis insertion before final closure during immediate jaw reconstruction. Ten consecutive cases completed without complications, it streamlines interdisciplinary workflow and supports reliable immediate rehabilitation.

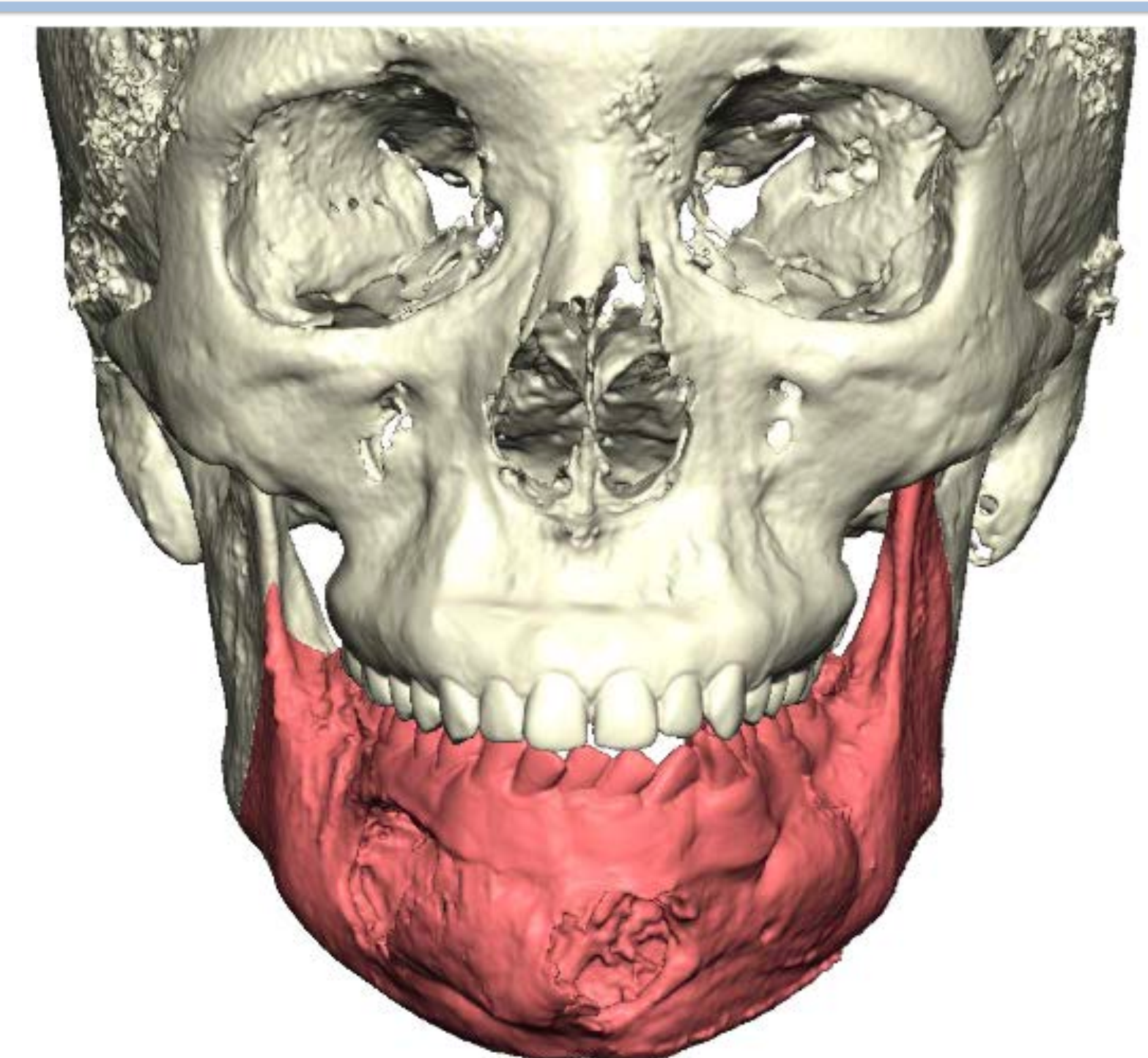
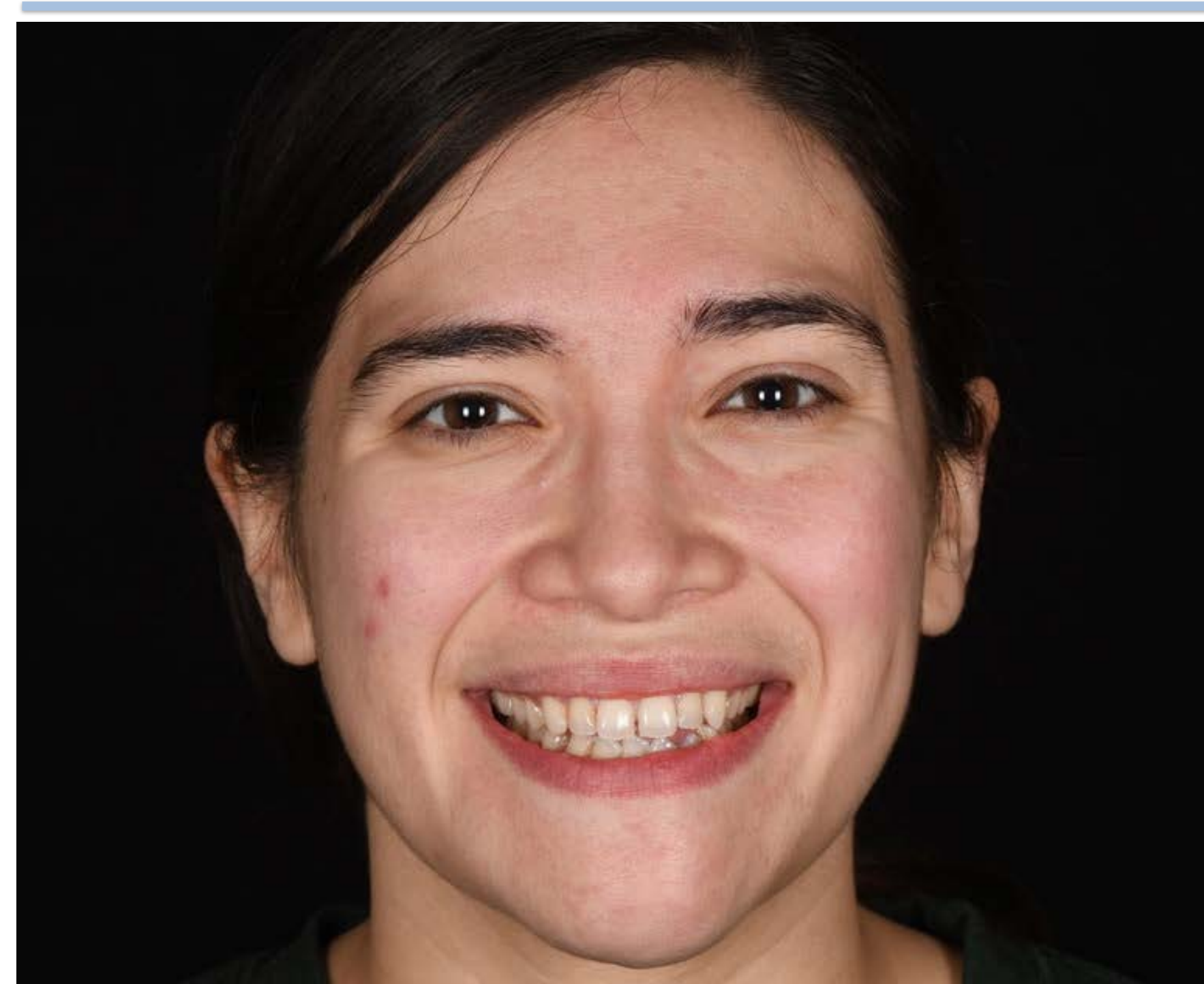
Treatment Plan

Guided fibula free flap · Implants placed at donor site · Prosthesis picked up at donor site · Immediate loading via parachute closure

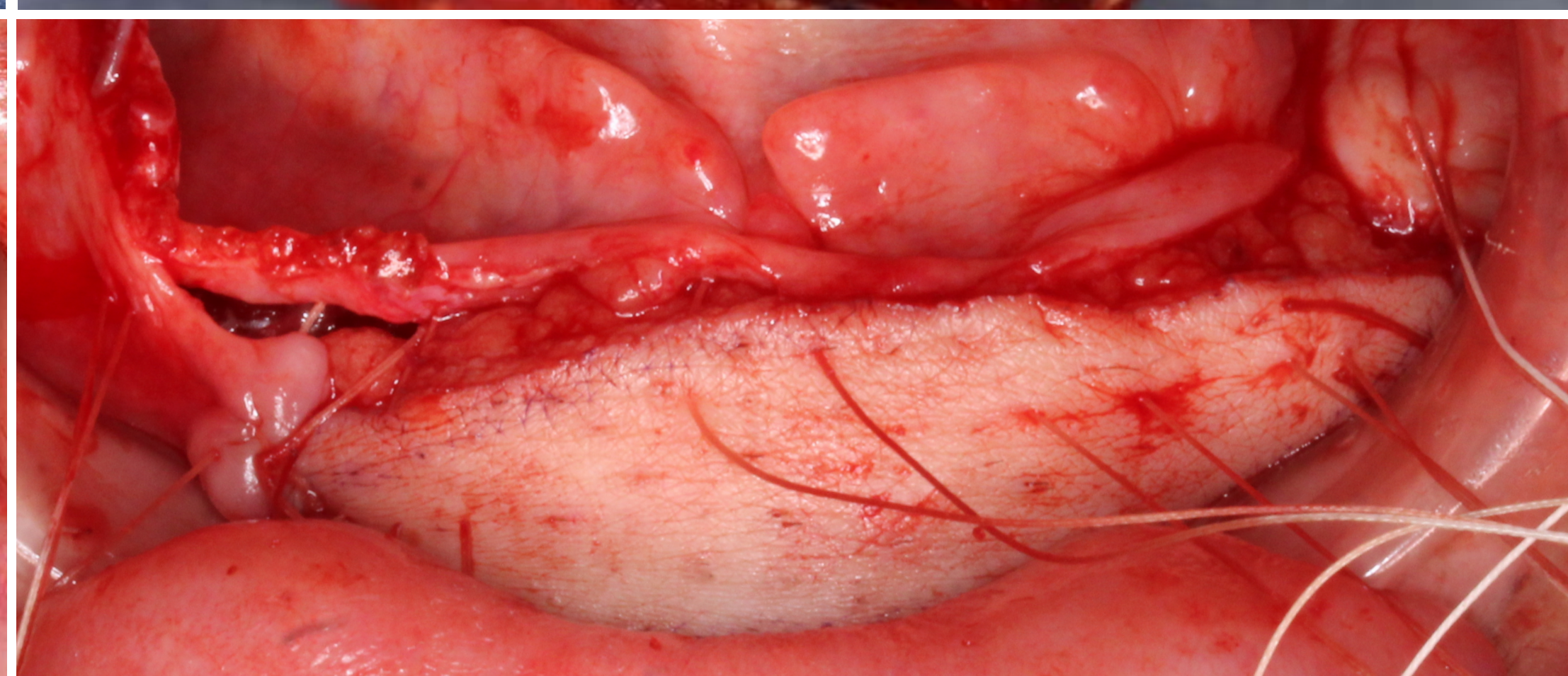
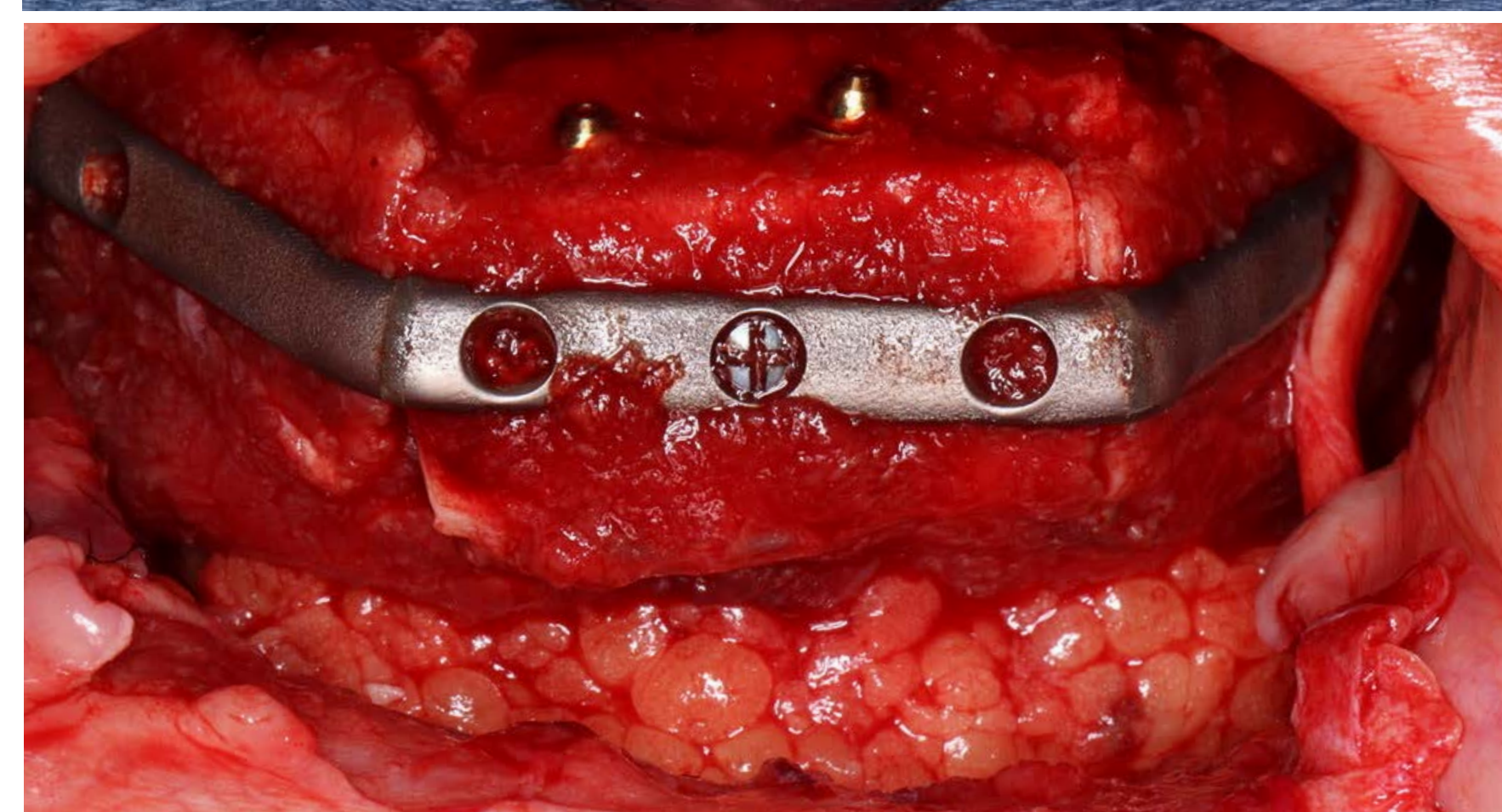
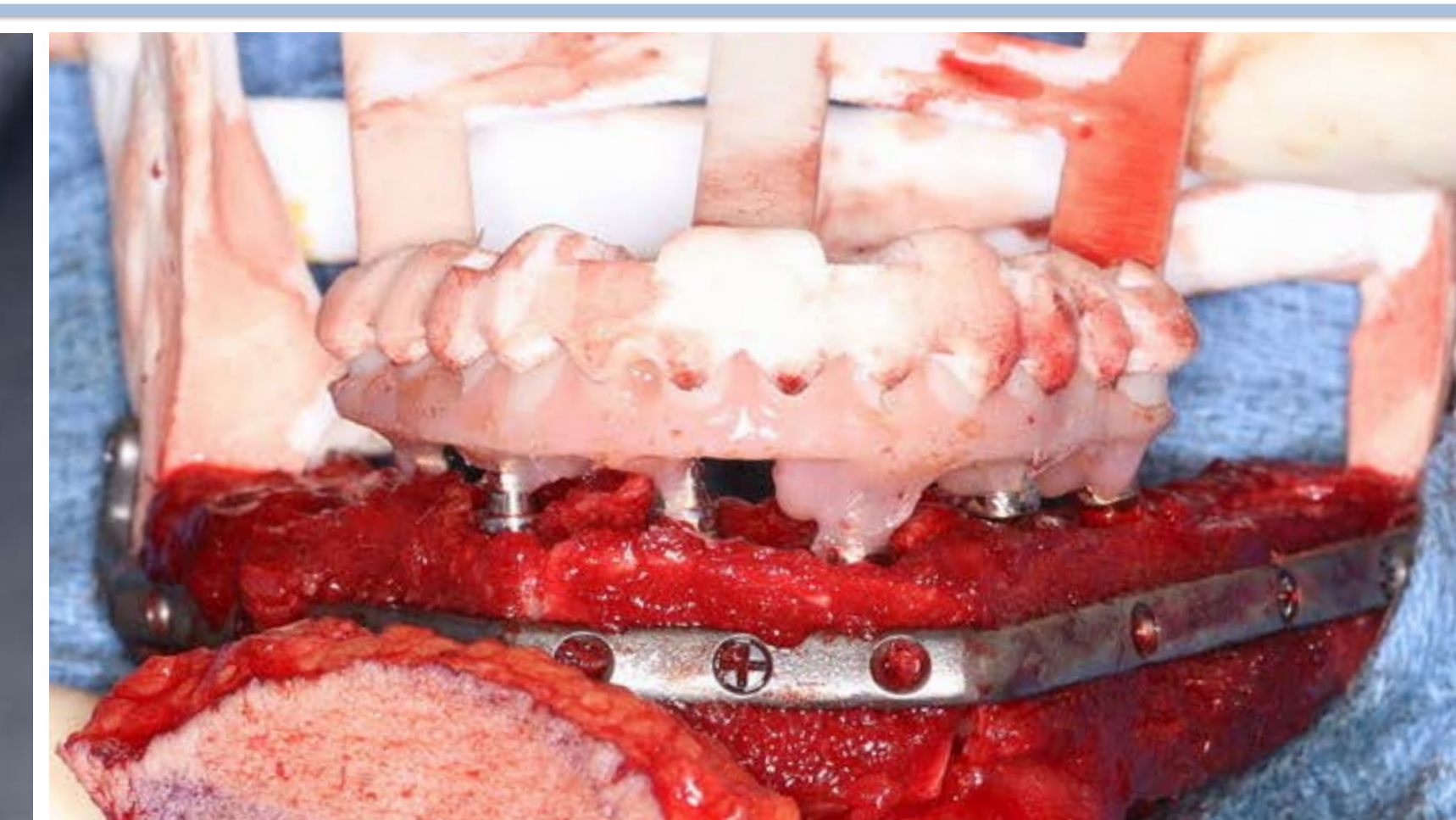
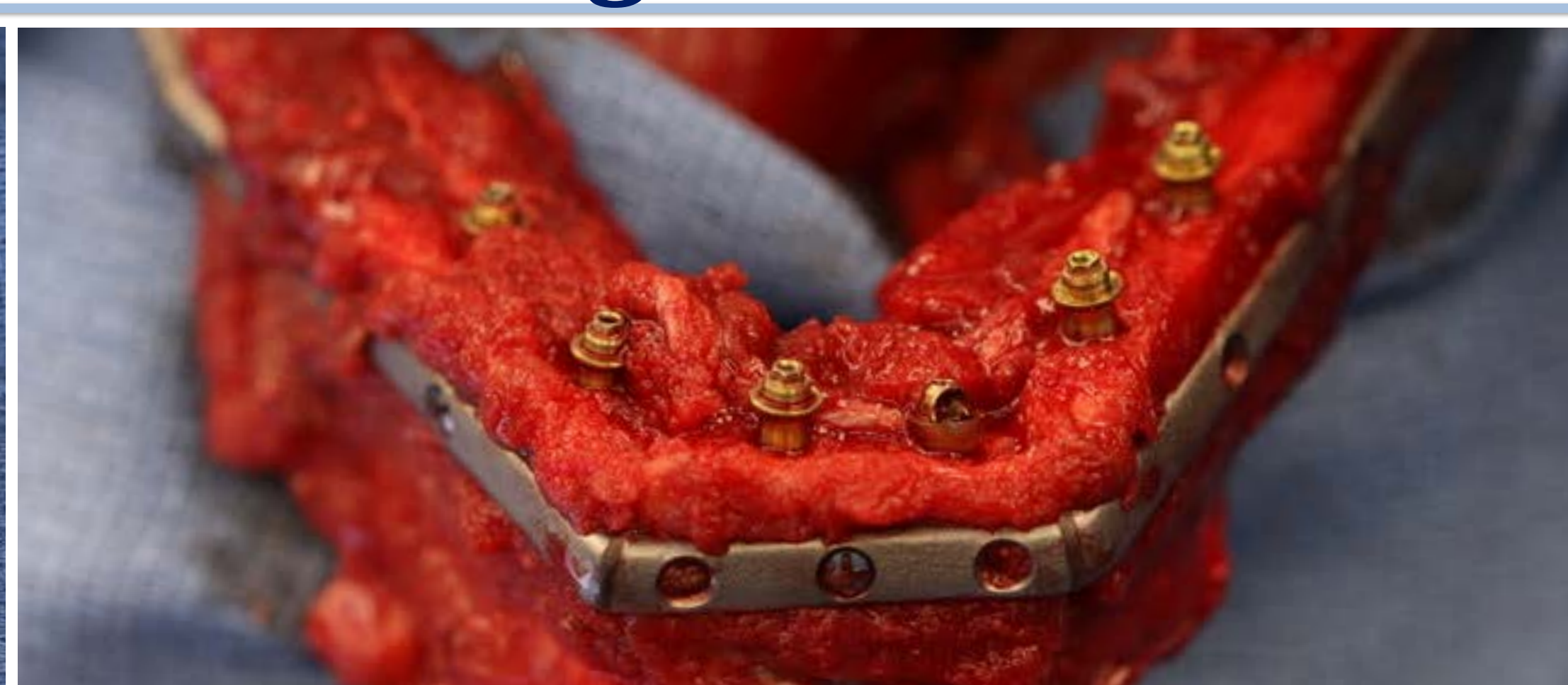
Technique

Horizontal mattress sutures pre-placed untied · Prosthesis inserted with full visibility · Sutures tied sequentially to closure around the prosthesis

Initial Presentation



Surgical Phase



Prosthetic Phase

