CLINICAL PROTOCOL - IMMEDIATE LOADING

DOCUMENT REF: TF-1003

1. Objective and Scope

This document establishes the clinical prerequisites and strict biomechanical protocols required for immediate loading procedures using Nova Implants systems. Immediate loading is only indicated when high primary stability is successfully achieved during implant placement.

2. Mandatory Primary Stability Thresholds

• Minimum Insertion Torque (IT): A threshold of 35 Ncm to 45 Ncm must be achieved during the final seating of the implant.

• Implant Stability Quotient (ISQ): Resonance frequency analysis must yield a score of ISQ ≥ 65 in all measured directions.

• Inadequate Stability Action: If values fall below 35 Ncm or ISQ 65, immediate loading must be aborted, and a traditional two-stage submerged or non-functional healing protocol must be utilized.

3. Biomechanical Restorative Principles

• Rigid Splinting Requirement: Immediate loading restorations must undergo cross-arch rigid splinting (using a metal frame or reinforced provisional polymer) to minimize local micro-movements.

• Non-Functional Occlusion Protocol: The temporary restoration must be adjusted completely out of occlusion. Eliminate all lateral and eccentric contacts to protect the fixture against hostile shear stresses during early osseointegration phases.

This is for informational purposes only. For medical advice or diagnosis, consult a professional. AI responses may include mistakes.