

Loading the Unloaded

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New Learners, Intermediate learners, Advanced Learners

Learning objectives

- Understanding the terminologies - Immediate, Early and Conventional Implant Loading Protocols
- Bone physiology and loading
- Deep Knowledge regarding different Protocols of Implant Loading
- Understanding the Elements of Implant Loading
- Select the appropriate loading protocol according to different clinical situations
- Consequences of biomechanical overload
- Understand the Importance of Diet in Implant loading.

Background information

In recent years, the demand for dental implants has risen greatly. The success rate of dental implants has been reported in the scientific literature to be approximately 95-98%. Market share in Dental Implant expects the market to continue its moderate growth during the forecast period (2020-2025). Not only have placement techniques improved, but the benefits that implants provide for patients have increased as well. Dental implant designs and surgical techniques, healing times, and restorative procedures have continued to improve since the introduction of titanium implants in the 1950s. Osseointegration being an accepted and well-documented concept, attention is now directed towards simplification of the mechanical design of implants and towards achieving biomechanical success. When using modern dental implants, conventional and early loading protocols is documented and predictable. Interdisciplinary teams may choose a longer healing period in sites that are compromised or in patients in which healing is expected to be altered. Immediate loading in partially edentulous patients is possible in select cases, but the evidence for successful outcomes is less extensive. Many patients are eager to have their treatment completed as rapidly as possible. Individual dentists and interdisciplinary teams are reminded that immediate loading has increased risk of implant failure and should be used in aesthetically critical areas only after careful consideration of the benefits, risks and alternatives

COURSE CONTENT

1. Terminologies
2. Current Dental Implant Therapy
3. Pre-load and After Load
4. Bone physiology and loading
5. Modelling and Remodelling

<ol style="list-style-type: none"> 6. Evolution of Concept of Implant Loading 7. Protocols of Implant Loading 8. Elements of Implant Loading 9. Progressive Loading 10. Immediate Loading 11. Consequences of biomechanical overload: 12. Quick Revision of course 13. Concluding Remarks <ul style="list-style-type: none"> • Whether only lecture or includes any video demonstration – Lecture and Video Demonstration 	<ul style="list-style-type: none"> • Any instructions for the participants <p>Read a brief regarding rationale of Dental Implants, Osseointegration and Loading Protocols by Carl E. Misch for better understanding of the Subject</p>
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