

Is Primary Stability the Gold Standard Factor in Implant Success

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Primary implant stability has been acknowledged as an essential criterion for achievement of such osseointegration. Implant stability decreases during early weeks of healing, this is related to the biologic reaction of the bone to surgical trauma during the initial bone remodelling phase. This biologic process eliminates the decrease in primary stability and ensures consistency of stability overtime without the drop during the healing period. Micromotion of dental implants may interfere with the process of osseointegration. Studies have reported that excessive micro motion interferes with osseointegration of implant. In traditional implant loading the healing occurs undisturbed for about 3 – 6 months. Micromotion is of limited importance in delayed loading implant protocol since the implant is submerged below the soft tissues. Where as in immediate loading or one stage surgery, micromotion is of more significant; however, the applied load is often reduced or even absent. So fundamental prerequisite for implant success is “no motion” at the time of insertion and following loading of the implant not the primary stability with heavy pressure surrounding the osteotomy site This lecture present 7 year retrospective cohort study to evaluate the implant survival rates using radiological and clinical assessments of implants placed without any primary stability.

Biography:

Dr. Joji Markose received his undergraduate degree in Dentistry (B.D.S.) in 1995 from the Dr M.G.R Medical University of Chennai, India. In 2000, he obtained his master's degree in Prosthodontics (M.D.S) from the Rajiv Gandhi University of Health Science Bangalore, India. In 2017 obtained his PhD in dental implants from Pacific University. In 2012 he received Associated Fellowship from AAID. Following his professional training from AAID (American Academy of Implant Dentistry 2006) and Masters implant course from University of Lose Angles (UCLA 2011) Dr. Joji practice in U.A.E for last 16 years, oriented towards Implantology, Prosthodontics, and Esthetic dentistry. He specialised in minimal invasive implant treatment and short implants. To date published over twelve articles and many lectures nationally and internationally in dental Implants.