

# Osseointegration Dental Implants in Diabetic Patients - An Over View Study

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## Abstract

**Background:** Dental implant surgery has developed to a widely used procedure for dental rehabilitation and it is considered a safe and predictable procedure. Diabetes mellitus is a chronic disease that presents hyperglycemia and causes different side effects. The patients with poorly controlled diabetes suffer from impaired osseointegration, elevated risk of peri-implantitis and higher level of implant failure.

**Case:** We report our experience of a successful osseointegration of 4 dental implants to a 58 years old female diabetic patient. At first the extractions of the teeth were performed and after 8 months four implants were inserted under local anesthesia (lidocaine containing adrenaline 1:100 000).

The supportive administration of antibiotics and chlorhexidine seems to improve the implant success.

**Conclusion:** Based on the treatment protocol the wound was healed without complication and it was evident the good integration of four dental implants with absence of osteomyelitis.

**Key words:** dental implant, diabetic patient, osseointegration