

## **Transforming a Patient's Smile: A Comprehensive Makeover Using a One-Guide Surgery, Immediate Loading and All-on-Four System for Compromised Teeth**

### **Introduction:**

This abstract presents a case report of a 54-year-old male patient with multiple missing and compromised teeth in the upper jaw. The objective was to describe a comprehensive treatment approach using dental implants to restore function and aesthetics.

### **Case Description:**

The patient underwent a two-phase treatment plan. All remaining teeth were extracted, and four Hiossen implants were placed in the upper jaw. These implants were specifically chosen for their NH surface specifications, known for enhanced osseointegration and faster healing. Immediate loading was achieved by placing a fixed temporary prosthesis in the same session. The precise implant positioning was facilitated by utilizing One Guide Surgery Guide and guided surgery techniques along with cone-beam computed tomography (CBCT) scans. Six weeks later, the temporary prosthesis was replaced with a final prosthesis, which was designed with a preview smile to ensure optimal aesthetics.

### **Discussion:**

The comprehensive treatment approach successfully addressed the patient's concerns and restored the missing and compromised dentition. Immediate loading of the temporary prosthesis not only provided functional and aesthetic benefits but also improved the patient's quality of life during the healing period. The utilization of Hiossen implants with NH surface specifications expedited the healing process and reduced the treatment time to six weeks. The NH surface, known for its enhanced osseointegration properties, improved implant stability and success rates. The guided surgery techniques, including the utilization of Osstem One Guide Surgery Guide and CBCT scans, ensured precise implant positioning, enhancing the accuracy and predictability of the procedure. The all-on-4 implant system, in combination with the Hiossen NH surface implants and guided surgery, offered an efficient solution for full-arch rehabilitation. This approach minimized the number of implants required and reduced the overall treatment time.