

## Implant Guided Surgery and Immediate Loading

**Authors :** Omid Tavakol, Mahnaz Gholami

**Abstract :** Introduction : In this oral presentation the main goal is discussing immediate loading in dental implants , from treatment planning and surgical guide designing to delivery , follow up and occlusal consideration . Methods and materials : first of all systematic reviews about immediate loading will be considered . besides , a comparison will be made between immediate loading and conventional loading in terms of success rate and complications . After that different methods , prosthetic options and materials best used in immediate loading will be explained. Particularly multi unit abutments and their mechanism of function will be explained .Digital impressions and designing the temporaries is the next topic we are to explicate .Next issue is the differences between single unit , multiple unit and full arch implantation in immediate loading .Following we are going to describe methods for tissue engineering and papilla formation after extraction . Last slides are about a full mouth rehabilitation via immediate loading technique from surgical designing to follow up .At the end we would talk about potential complications , how to prevent from occurrence and what to do if we face up with .

**Keywords :** guided surgery, digital implantology, immediate loading, digital dentistry

**Conference Title :** ICD 2024 : International Conference on Dentistry

**Conference Location :** Baku, Azerbaijan

**Conference Dates :** August 08-09, 2024