

# Dentistry & Oral Care

April 18-20, 2016 Dubai, UAE

## Immediate implantation after tooth extraction in molar area: Case series

**Tatjana Nimcenko**

Lithuanian University of Health Sciences, Lithuania

During the past decades implant therapy has shown to be a successful option for tooth replacement, thus dental implants considered as an alternative to traditional solutions of dental arch rehabilitation. However, reduced alveolar bone height or presence of anatomical structures very often present a challenge to implant therapy usually in posterior areas of the maxilla and the mandible. Therefore, additional bone augmentation procedures are necessary prior to insertion of traditional (modified variations of Branemark System) implants. Although augmentation procedures have been considered successful, they are more technically demanding and therefore require skillful operators. They are associated with significant postoperative morbidity and complications, are often more expensive and usually require more painful and longer healing times thus prolonging overall treatment time before patients are able to chew on their implant-supported prosthesis. The development of the implant's macro design and surface as well as surgical technique improvement lead to the changes in surgical protocols. Esthetically and functionally successful, long-lasting results can now be achieved in clinically complicated situations with reduced bone quality and quantity. Placement of improved geometry dental implants immediately after tooth extraction thus adapting to the existing anatomy is an alternative treatment modality to bone grafting procedures. It avoids additional surgical intervention, is less traumatic to surrounding tissue, less expensive and more attractive to patients. Consequently, this presentation introduces a series of "one surgery" concept procedures of immediate implantations after tooth extractions in molar regions.

### Biography

Tatjana Nimčenko received her dental degree from Lithuanian University of Health Sciences in 2011. She continued to build her skills at the same university, studying Oral surgery at Maxillofacial Surgery Department. During 3 years residency studies, she received specialized training in surgical principles, oral and facial surgery, trauma surgery and obtained a Specialist in Oral Surgery in 2013. Throughout her residency and after graduation, she pursued advanced studies in implantology. She specializes in minimally invasive alveolar bone reconstruction, piezo-surgery; surgically facilitated orthodontics and takes special interest in teeth autotransplantation. She has published several articles on teeth autotransplantation and other oral surgery topics. She has also given lectures locally and regionally. She is a member of International Team for Implantology and Lithuanian Association of Maxillo-facial Surgeons.

[lagiza@gmail.com](mailto:lagiza@gmail.com)

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