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## Innovative surgical workflow for immediately loaded rehabilitations

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The primary objective of implant therapy in the esthetic zone is an optimal esthetic treatment outcome with high predictability and a low risk of complication. In its ITI Consensus Conference 2013, the ITI has clearly indicated that implants should be placed in the early time frame after tooth extraction, either as an immediate or early implant placement approach. A rationale for immediate loading is not only to reduce the risk of fibrous tissue formation (which results in clinical failure) but also to minimize woven bone formation and promote lamellar bone maturation to sustain occlusal load. Immediate implant placement can be used in ideal clinical conditions. The most important requirements are a fully intact facial bone wall with a thick wall phenotype (>1 mm) and a thick gingival biotype. According to Braut et al., 2011, in central incisor sites, only 4.6% had a thick wall phenotype (>1 mm). The presentation will bring new aspects related to soft tissue volume and phenotype, bone volume, timing of implant placement, type of implant indicated for immediately loading, 3D planning, Implant Stability Quotient (ISQ), aspects related to occlusion, pharmacologic adjuvants and provisional implants. Strontium ranelate improved implant osseointegration (Maimoun et al., 2010) and bone graft microarchitecture and mechanical properties (Dragan et al., 2016). A new surgical workflow for immediately loaded rehabilitations will be presented using 3D planning, 3D printed surgical guides, provisional prosthetics. Flapless procedure showed a superiority in preserving bone tissues but may increase the failure risk of the dental implants, especially in the situation of immediate/early loading.

### Biography

Eliza Dragan has completed her PhD in 2016, from 'Gr.T.Popa' University, Romania. The research topic was *3D imaging and pharmacological agents in maxillary sinus augmentation*. She is an Oral Surgery&Implantology specialist. She has 11 international publications in the field of oral implantology, 3 published books as a co-author and she is a reviewer for 2 inter-national journals.

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