S.T.A.R. concept : A Novel Digital Workflow for Full Arch Rehabilitation with Complete Dental Implant Fixed Prosthesis in a High Esthetic Demanding Patient

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Objective

To demonstrate an up-to date prosthetic technique: S.T.A.R. concept. A digital workflow for fabricating surgical guides and designing immediate loading provisionals, especially in high esthetic demanding patients.


Initial condition

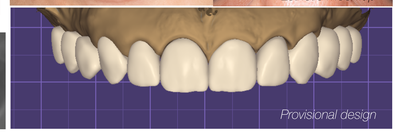

2D digital smile design

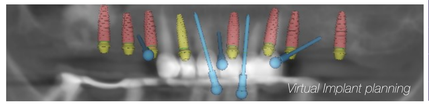

3D digital smile design

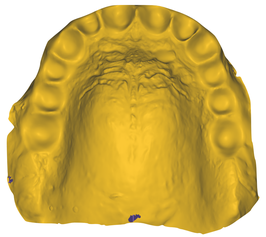

Additive mock-up printed model

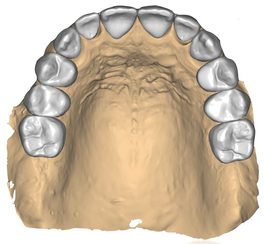



Esthetic Mock-up


Provisional design


Virtual Implant planning

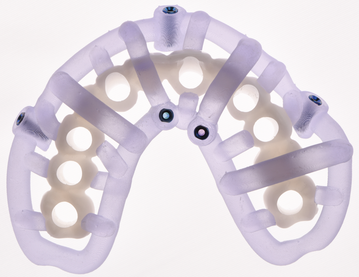




Virtual extraction model & Virtual tooth set-up



S.T.A.R Concept Components









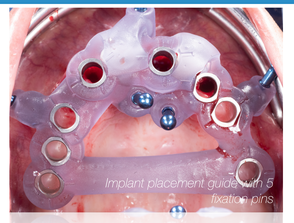


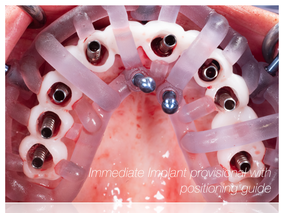
Conclusion

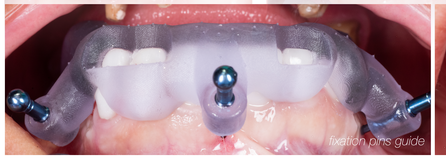
S.T.A.R concept can predictably shorten the chair time, increase the patient's comfort, and provide accurate implant placement and provisional position.

Treatment render


Minimally Invasive extractions


Implant placement guide with 5 fixation pins


Immediate Implant provisional with positioning guide

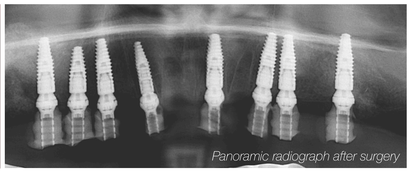

fixation pins guide


Minimally Invasive extractions


Implant placements


Immediate Implant provisional with positioning guide


Immediate after surgery


Panoramic radiograph after surgery


2 months after surgery