



Time, Cost And Technical Advantages Of Fully Digital Workflow For Single And Multiple Unit Implant Treatments

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Introduction

Digital Technologies have been in our lives since many years and they are used in all fields. They also provide us shorter workflow periods. The accuracy, precision and repeatability are great advantages. With digital dentistry tools, the implant

treatments are planned from the final restoration to the implants. This reduces all the possible risks like wrong positioning and angulation of the implants. In this case report, Fully Digital Workflow will be presented from planning to the final restoration.

Materials and Methods

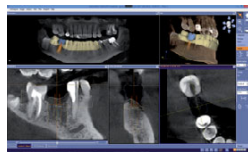
The upper and lower jaws were scanned with CEREC AC Omnicam. The digital designs of the teeth were done with CEREC SW 4.4. They were exported with ".ssi" format to merge with the 3D X-rays of the both jaws. The implants positions were planned on Gallileos Implant SW. The sleeves' platforms were positioned for the Camlog Guided Surgery Set. Then the plan was exported as ".cmg.dxd". The guide was designed on the "Inlab SW" and milled in MCX5 and

CEREC SW and milled in MCXL by Dentsply Sirona. The implants were placed using Camlog Guided Surgery Burs. After the osseointegration period, the scanning was done with Scanposts and Scanbodies for CEREC. The designs were done with CEREC Premium SW and the restorations were milled with CEREC MCXL using Zirconium Oxide and Lithium Disilicate. They were finalized and screwed/cemented in the mouth.

CASE 1: Single Implant



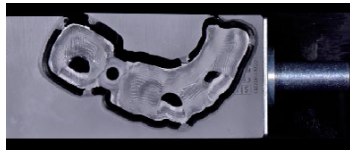
Initial Situation



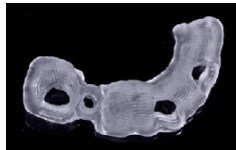
Digital Planning



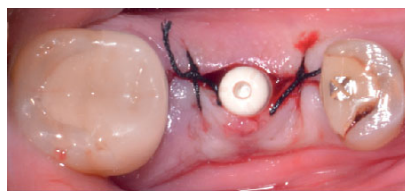
Guide Design



Surgical Guide



Implant Placement



Scanning With Scanpost And Scanbody



Soft Tissue Shaping With Temporary Restoration



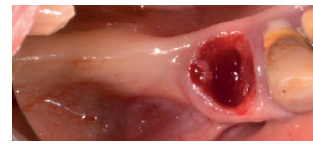
Final Result



CASE 2: 3 Unit Bridge on 2 Implants



Initial Situation



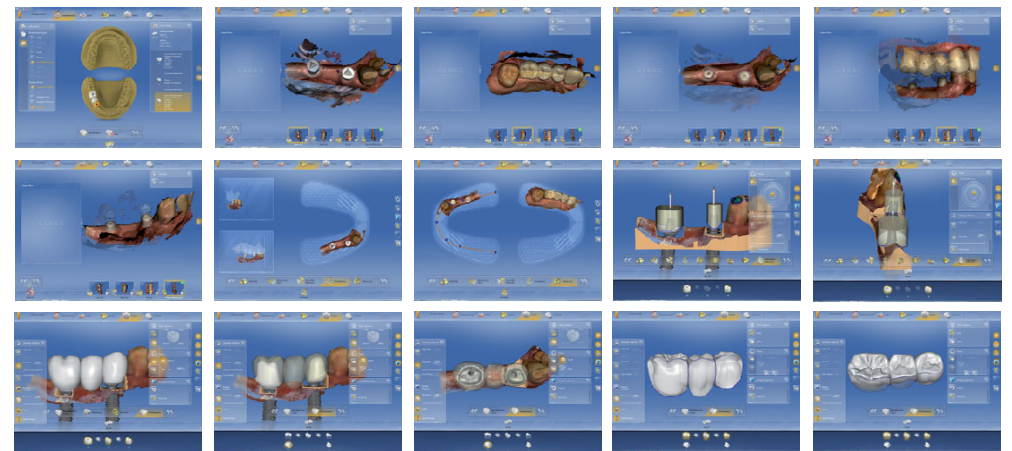
Tooth Extraction



Guide In Mouth



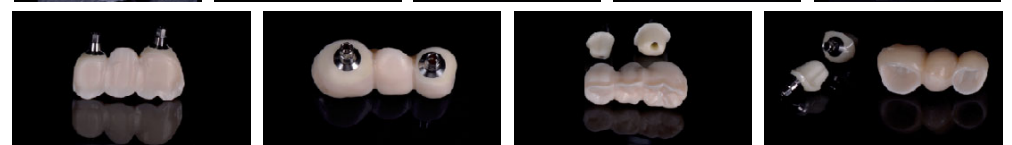
Implants Placed



Design Steps In CEREC PREMIUM SW



Milled And Finalized Restorations



Final Result

Results and Conclusion

Digital Workflow helps clinicians and dental technicians for easier, faster and more precise implant treatments. Also we have the full control on these treatments. This helps the patient to have a more comfortable implant treatment.

