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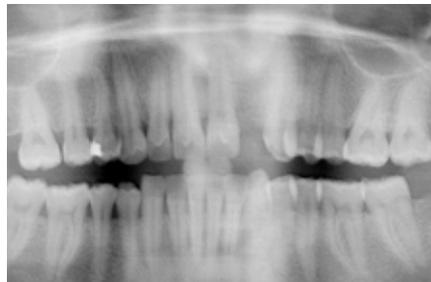
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Challenging esthetics

38-year old female came to the clinic having lost tooth 22 due to an accident 3 years ago. No major bone resorption was seen in the area. A flipper was used as a temporary solution and the patient was referred to the clinic for implant treatment. After a thorough examination, an OsseoSpeed implant (Astra Tech Implant System) in combination with an Atlantis Abutment in zirconia was selected in order to achieve an excellent esthetic result.



1. Clinical examination showed hardly no horizontal or vertical bone resorption at position 22.



2. The panoramic radiograph confirmed the clinical examination.



3. Intra oral examination showed optimal soft tissue condition and papillae.



4. Implant installation of an OsseoSpeed 3.5, 11 mm implant (Astra Tech Implant System).



5. A sulcus incision was made in order to preserve the papillae. The implant neck was placed 2-3 mm below the cervical area of the opposing lateral incisor (12).



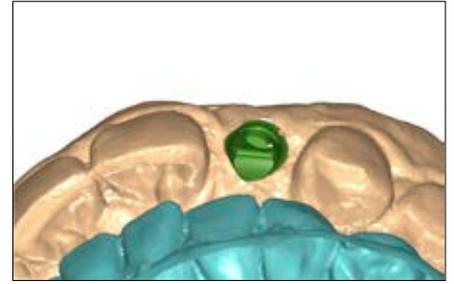
6. The implant was placed in a two-stage procedure. Sutures were removed after 7-10 days.



7. 8 weeks after implant surgery a 4 mm crestal incision was made to remove the cover screw and a healing abutment was installed.



8. The patient was referred to the dental technician for shade determination.



9. The Atlantis patient-specific abutment was individually designed from the final tooth shape, using the Virtual Atlantis Design (VAD) software.



10. The emergence width option “full anatomical dimensions” was selected to provide the best emergence profile possible. Images were sent to the dental technician for design approval.



11. The patient-specific Atlantis Abutment in zirconia ready for clinical placement. Due to the optimal design based on the crown shape there is no need for adjustments.



12. The Atlantis Abutment in place, tightened with finger light force.



13. A radiograph was taken to ensure proper seating.



14. Final torque at 20 Ncm. After a few minutes the abutment was tightened again to verify proper seating. The screw hole was covered.



15. A ceramic crown was cemented directly after installation of the Atlantis Abutment.



16. Buccal view of the restored tooth, 4 weeks after abutment and crown placement.



17. Facial view of final restoration.



18. Final excellent esthetic result with a perfectly healed soft tissue.