

SUPERIOSTEAL IMPLANTS REPLACED WITH ENDOSSEOUS IMPLANTS UTILIZING A NOVEL TWO-STAGE GUIDED APPROACH: AN INTERDISCIPLINARY CASE REPORT

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Figure 1: Disease Control and Patient Impact

Surgical removal of acutely failing subperiosteal implants and infected hydroxyapatite graft. (Dr. Ellis, OMS). Delivery of immediate complete dentures. (Dr. Sones, Prosth). Periodic soft relines and maintenance of patient with complete dentures during COVID-19 Pandemic (2019 - 2022) (Dr. Sones, Prosth). Patient centric timeline demonstrating the irreversible lifelong impact of complete edentulism, highlighting the importance of saving teeth.

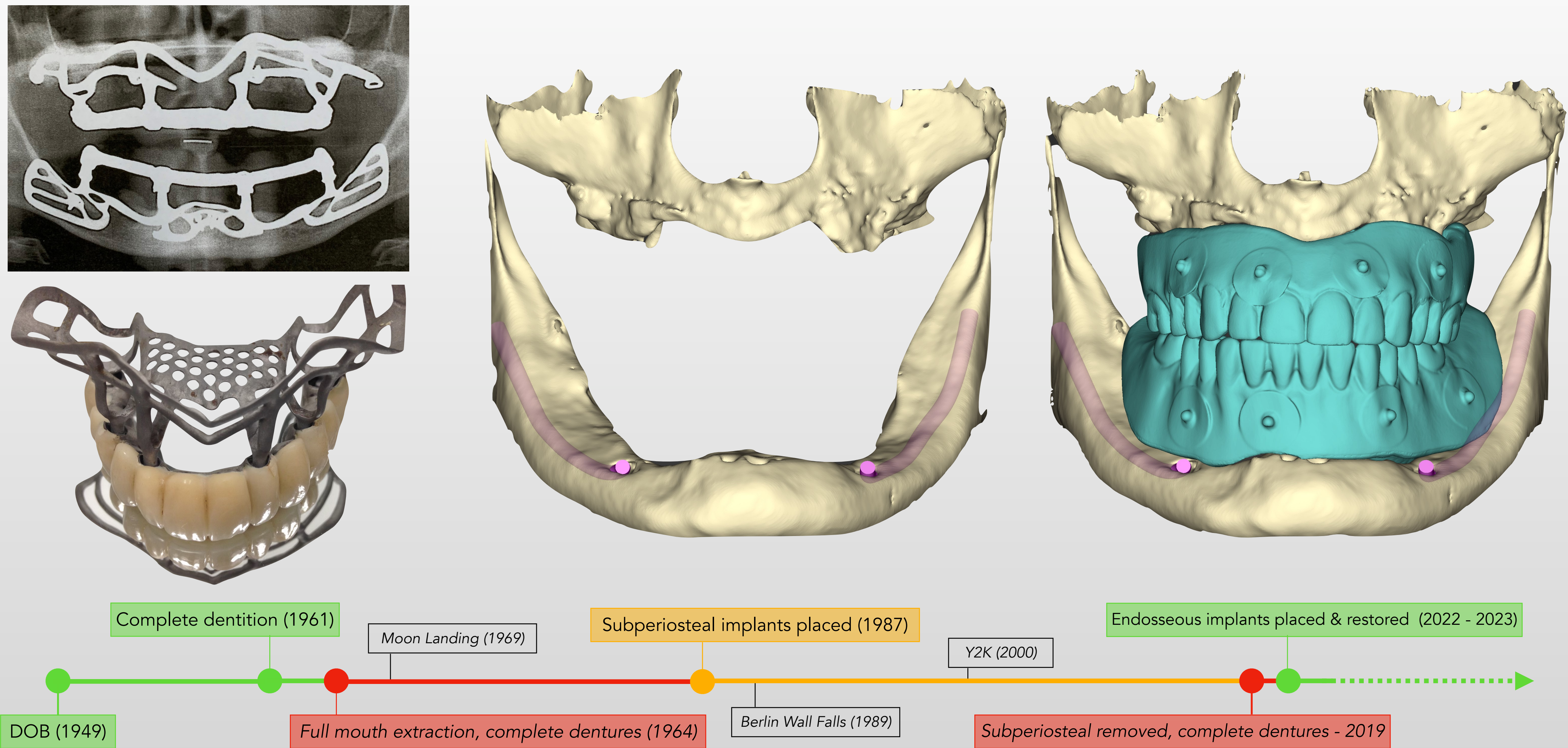


Figure 2: Surgical Rehabilitation (A Novel Two-stage Guided Approach)

Stage 1: Partially guided, flap-less, implant placement for imaging denture pickup. Imaging denture CBCT immediately following implant placement. Fixed imaging denture removed and cover screws placed. Master cast fabricated with imaging denture utilized with CBCT to design and fabricate combination bone and implant supported surgical guides. Stage 2: Fully guided implant placement with screw retained combination guide with mini-flaps for bone support. Implants uncovered and abutments placed after 7 months. Two maxillary implants did not osseointegrate and were removed at uncover. (Dr. Pylant, Perio)

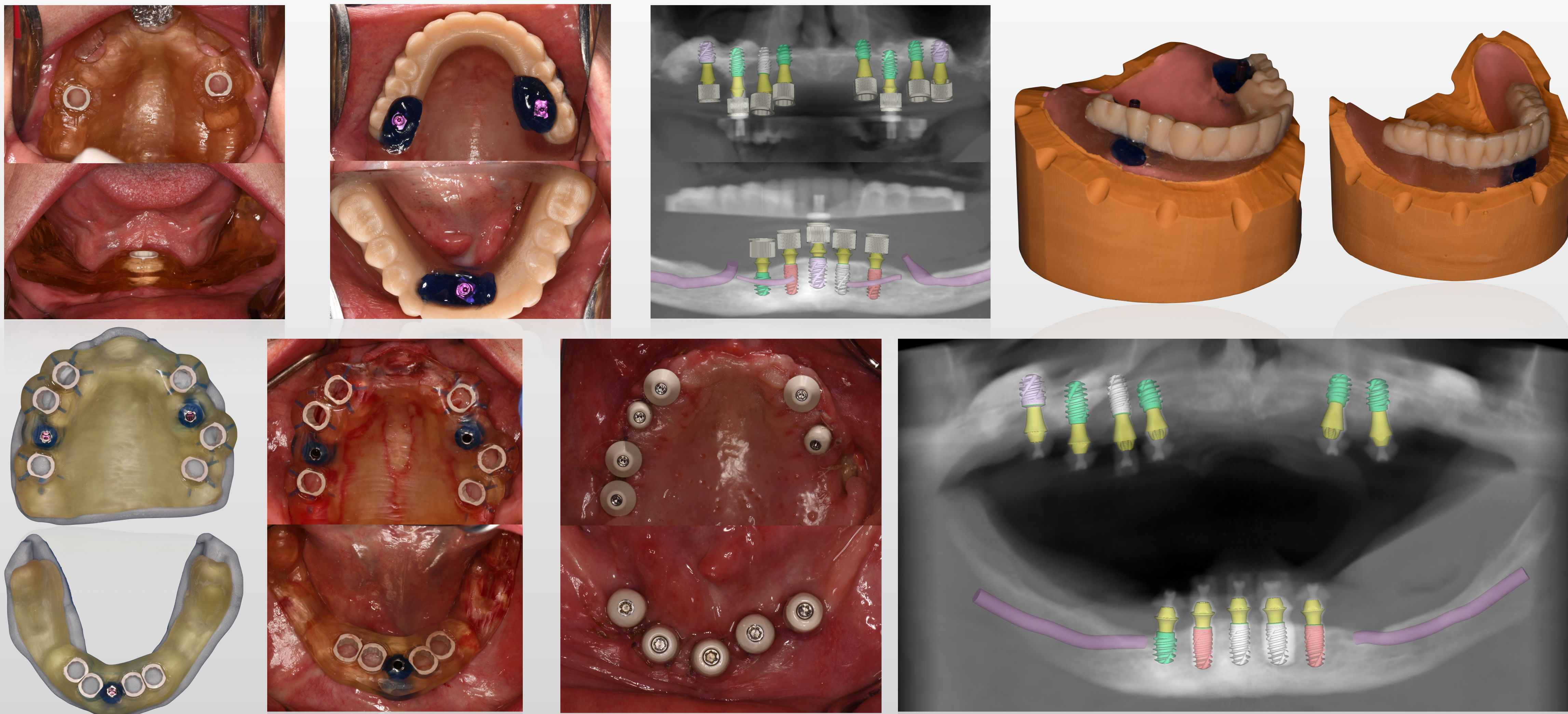


Figure 3: Final Impressions and Laboratory Phase

Restorative planning included a primary bar with locators to restore form, function, and facilitate patient hygiene and maintenance around the dental implants and multiunit abutments. Master impressions made and verified. VDO records obtained. Metal bar try-in performed. (Dr. Sones, Prosth & Mr. Venter, Laboratory)



Figure 4: Completed Treatment - Esthetics and Function Restored

Final prosthesis delivered November 2023. Esthetics, form, function restored for patient. With proper home care and periodic maintenance patient will retain a comfortable, functional, esthetic, and long term result. References can be accessed below via QR code. (Dr. Sones, Prosth & Dr. Pylant, Perio)



Literature References

