Dentin grafting and implant prosthodontics

Case description: Male, 56y old, teeth #47;48 advanced periodontitis, mobility and pain.

Treatment: Extraction of teeth #47;48. Tooth #47 discarded because of existing root canal filling. Autologous dentin particles from tooth #48 were prepared and immediately grafted to fill sockets of both teeth and augmentation of site.

Results: Very strong bone-dentin was formed. Two month after grafting the site was solid. Implants were inserted and prosthetic work performed. A two year follow up shows that autologous tooth graft is best for long lasting implant stability.

Prior to treatment

Use tungsten carbide burr to reduce all debris from tooth (2-4 minutes).

Implant after 2 months

Follow up 2 years after grafting

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