

Topic: Impacted 3rd molar – grafting to save the adjacent 2nd using autologous dentin graft

Case by: Dr. Sandeep Singh

Patient presented a Disto-angular impaction of #48 (#32 UNI) causing pain and sensitivity on adjacent 2nd molar. Performed extraction using ultrasonic Piezoelectric bone surgery. Then grafting of the extraction socket with tooth particulate of the extracted 3rd molar using the KometaBio Smart Dentin Grinder for dentin grafting. Grafting the extraction socket using autologous dentin graft reduces the inflammatory process and fast tracks the healing due to the autologous nature of the material and ankylosis of the dentin particulate. Post-operative results look good. Every tooth deserves a second chance.

Pre-op:



Atraumatic extraction using piezosurgical technique:



Autologous dentin graft preparation:



Grinding and sorting the extracted tooth into particulate graft. Then disinfecting, cleansing and washing the graft using the KometaBio protocol (10 minutes).

Grafting the socket and primary closure (no membrane required):

