

Procedure for creating dentin graft block – “sticky bone”

Overview:

Often dentists seek to shape the grafts they use in order to achieve better handling, more stability of the graft at the site and less graft mobility. One way of achieving this is turning the graft into “sticky bone”. To create Sticky Bone you will need to know how to prepare PRF membranes (slug) as well as spin blood for plasma. The following protocol will be similar to whichever PRF protocol / system you use. Please review the following protocol and decide how to sequence your work to minimize overall time.

Step 1: Create the dentin graft using the Smart Dentin Graft protocol (standard protocol)

[Mechanical cleaning, grinding and sorting and cleansing the graft]



Step 2: Draw and spin blood to create PRF membrane (slug)

Step 3: Spin blood to create uncoagulated plasma (typically a short spin will create it)



Step 4: Move one or two PRF membrane to a sterile metal dish and using sterile surgical scissors cut the entire PRF membrane into small pieces.



Step 5: Move the Dentin Graft into the metal dish and mix with the pieces of PRF



Step 6: Important: Wet the mixture with a little bit of the serum from the PRF membrane preparation collection tray. MIX THOROUGHLY. This will prep the graft for the next steps.



Step 7: Using a sterile syringe, collect the Uncoagulated Plasma from the original tube (see step 3)



Step 8: Add to the PRF/Dentin Graft mixture 1 cc of the uncoagulated plasma from step 7

Step 9: Gently move the graft/PRF block around to make sure it gets thoroughly exposed to the uncoagulated plasma. Do this gently by tapping the block from all sides. This is also when you will give the block the shape that's desired.



Step 10: Wait 15 – 20 seconds for the block to stabilize and coagulate.



Step 11: Once ready, you can cut the block to smaller blocks if needed.

