

MediMatch

LABORATORY & SUPPLIES

www.medimatch.com



FREE HAND COMPOSITE VENEER PROTOCOL

020 3875 8530 | **MediMatch**
www.medimatch.com | LABORATORY & SUPPLIES



WEBSHOP



INSTALL



TRAIN



SUPPORT



LAB



DESIGN

1st STEP (in surgery)

- Initial consultation with patient, to include:
- Full examination, radiographs, determine if patient has discoloured teeth, asymmetric edges, loss of tooth surface, or crowding.
- Scan patient and request a wax up and putty index from the lab.

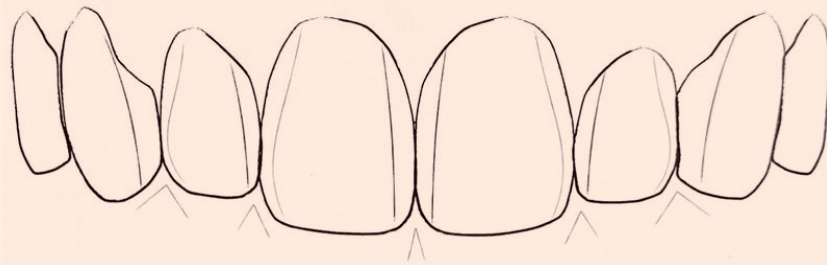
2nd STEP (in lab)

- Lab will print a digital wax up and fabricate a putty index.

3rd STEP

- During second consultation explain composite survival rates, go over terms of treatment, complete consent forms, and do a direct mock up.
- At this stage you should determine what can and cannot be changed and achieved based on patient factors, materials and ability. Use smile design principles and decide on the preferred shape, line angles, and surface textures.

- Brief the patient in how their teeth will feel very different at first.
- Check the patients teeth whitening process. *TIP* Ensure teeth whitening has finished 7-14 days prior to bonding appointment.



4th STEP

- Determine the shade the patient wants.

5th STEP

- Isolate using optragate and check if the tooth requires any preparation.

6th STEP

- Use air abrasion to remove all plaque and biofilm from the tooth (27 MICRONS ALUMINA).

7th STEP

- Apply acid etch, then apply bond and light cure the tooth.

8th STEP

- Create your back wall.
- This can be created with a lab putty index if you have a wax up. Or use a clear stirp to do this by free hand. Make sure that you:
 1. Respect the occlusion if you are adding length.
 2. Use the same shade as the tooth when building the first wall to avoid transition in colour.
 3. Aim to make a box shape (square).



9th STEP

- Creating your frame. Use varistrip/directa clear strip to ensure you have perfect margins. This will give you better control when creating your shape.



10th STEP

- Adding buccal composite. If the tooth is non -vital add an opaque layer by building up what you have and cut back. Compress the composite using optrascult or your finger and ensure there are no voids. Use wetting resin to help sculpt the composite.



11th STEP

- Use a red sofflex disc to create the outline of your veneer.



12th STEP

- Create the Buccal-Lingual and primary anatomy. Consider the emergence profile of the tooth, and polish it in 3 planes. Mark your line angles with a pencil and use a dark orange sofflex disc.



13th STEP

- Texturing your veneers. Check with your patient first that they want texturing added to their veneer.
1. Mark a midpoint line and draw V shapes adjacent to this.
 2. Use either a tungsten carbide bur or a red banded flame bur (turn the water off).
 3. Remove all markings drawn. This will create rough ridges and grooves which can be harsh. Use an orange soflec disc in a flicking motion. Use a pick EVE bur or purple ASAP bur to reduce the texture.



14th STEP

- Finish and Shine



This document was created with
Dr Khalil Karwani

Dr. Khalil Karwani, a dedicated dental professional, embarked on his journey in dentistry with a degree from the University of Bristol. Following his graduation, Khalil immersed himself in the realm of private practice, accumulating four years of invaluable experience. Throughout his career, Khalil has honed his expertise in composite bonding, becoming a trusted authority in this specialized field.

Driven by his passion for restorative dentistry, Khalil pursued a postgraduate certificate in Restorative Dentistry, further augmenting his skills and knowledge. His unwavering commitment to perfecting smiles has earned him recognition among peers and patients alike.

Connect with Dr Khalil Karwani
khalil@dentucation.com



Instagram
@khalil.dentist

**Book onto our
free hand composite
veneer course**

