

3D Bone Reconstruction

In dental implantology bone is paramount; no bone means implant dentistry is impossible or very demanding, plenty of bone is just plain unlikely.

Of course, when a tooth is lost there is no reason for the bone to remain. So it disappears, along with our opportunity for a straightforward implant solution. Straightforward saves time and money for the patient; and for the practitioner a significant complication avoided.

For many practitioners a lack of bone is not seen as a complication, but as a no-through road. I have seen hundreds of patients who have been advised that they do not have enough bone for dental implants, and that is that. They are being given this advice by genuine, honest and caring practitioners, but it is not always the right advice.

I am a full time implant dentist and am deeply involved in all aspects of implantology so I am likely to be biased, but I am also familiar with some really useful techniques for avoiding the no-through road.

I am a firm believer in utilising modern technology, why not? - it is there to improve life! Take a cone beam scanner for example. I depend on these images to help plan implant treatment and deliver it with minimal requirement for bone grafting.

This is very well demonstrated by the All on 4 approaches, where implants are placed either interforaminally (mandible) or between the sinuses (maxilla) thereby avoiding the high risk anatomical areas, and also uses far fewer implants.

This saves money (for the patient) and allows the patient to have a fixed solution when other approaches may have required bilateral sinus grafts and twice as many implants with the associated increase in fees.

I also use the CBCT scanner to plan the bone reconstruction, using a technique developed by Professor Fouad Khoury. I undertook training with Professor Khoury in San Francisco, and Munster University, and at his Implantology Centre in Olsberg, Germany.

I have been providing bone reconstruction for “no-through road” cases using this technique since 2008 to enable implant placement where it would otherwise be impossible.

We are happy to provide this service for our referring dentists, allowing them to place the implants into decent bone.