

Oral Surgery

Specialist Oral Surgery by Specialist Oral Surgeon



X-Guided Dental Implant Surgery

Mr. Darren McCourt Specialist Oral Surgeon at Castle Clinic Dalkey and Blackrock Clinic Dublin was the first to bring X-Guided dental implant surgery to the U.K. and Ireland.

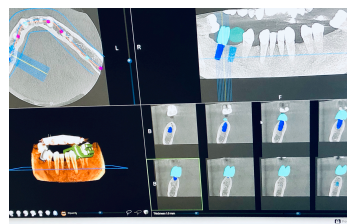
This technique involves a CT scan allowing pre-operative 3-d virtual planning using DTX implant studio. Then the X-Guide machine guides the implant surgery 'real time' allowing accurate implant positioning like a GPS.

Safe Implant Surgery

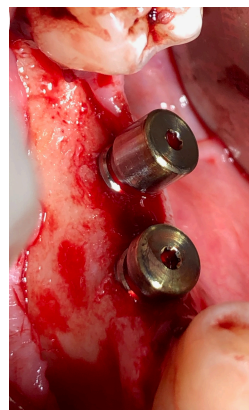
1



2



3



X-Guide machine

The machine has an arm extending from the computer and monitor holding the light box.



An X-Clip is attached to the teeth with a tracker



Patient Comfort

The tracker attached to the teeth and the tracker on the handpiece are viewed by the X-Guided light.

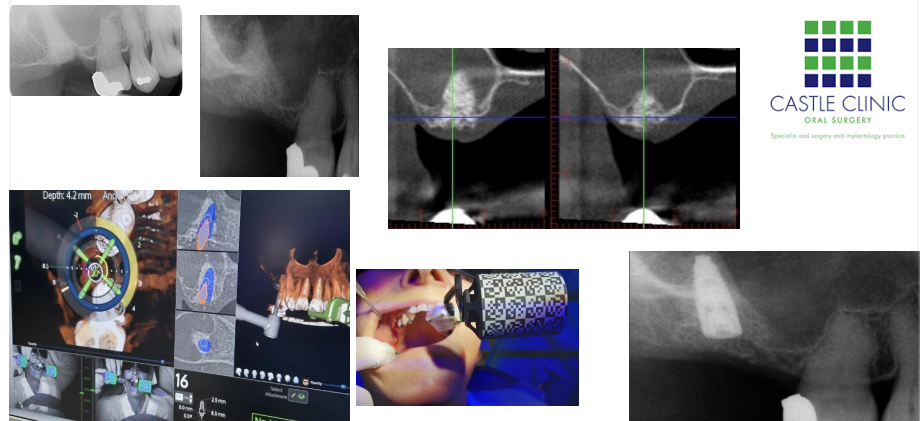
We are using X-Guided implant surgery now for over two years with great success.

The below case was referred with a failed extraction with the root projecting into the maxillary sinus. It was decided to extract and graft with Creos particulate bone graft post extraction. Many months later the Nobel Biocare implant was placed using X-Guided surgery.

“I was delighted to have this level of surgical technology so accessible in Dalkey”



X-Guide Posterior Maxilla



DYNAMIC NAVIGATION OFFERS SIGNIFICANT BENEFITS

1. Real Time 3-d guidance allowing safe implant surgery.
2. Provides higher accuracy than free-hand procedures.
3. Allows full flexibility
4. Virtual planning with DTX implant studio is required.

X-GUIDED SURGERY at Castle Clinic Dalkey
Specialist Oral Surgery by Specialist Oral Surgeon
“the next revolution in implantology”

Contact us to explore Nobel Biocare Dental Implant treatment options