What’s keeping you awake at night?
Take precision and safety to a new level in implant dentistry

Dynamic navigation for confidence in freehand dental implant planning and placement

NEW Navident 2.0 with Trace and Place: trace the existing anatomy directly on the patient – no stent involved!
Targeting perfection

Freehand surgery using Navident’s real-time computer guidance technology enables you to take precision and safety to a whole new level. Navident takes away the uncertainty and complications that exist with conventional protocols, providing greater confidence in dental implant planning and placement.

Use the same technology that is the standard of care in spinal and neuro-surgery fields. Navident enables you to calibrate the position and angle of the drill tip in three-dimensional space and carry out an in-situ accuracy check before you start to drill. The position, angle and depth of the drill or implant are continuously displayed in a simple graphic, guiding you to follow your plan, with no loss of tactile feedback.

Dynamic navigation with Navident 2.0 enables faster treatment. There is no wait for fabrication of a stent or delays caused by an ill-fitting guide. The patient’s existing anatomy is quickly and easily traced. Navident then provides guidance for accurate implant site preparation, even when there is restricted visibility or access.

What makes Navident stand out is it precisely guides the surgeon to prepare and place the implant. The software shows the drill position on the scan in real time, as it enters the jaw.

David Burgess BDS DPDS MScConSed, Carbis Bay Dental Care, Cornwall

Try Navident’s precision guidance for yourself.

Experience first hand the benefits of dynamic navigation for dental implant planning and placement, with our no obligation short-term rental option. Call 0845 602 4944 or email info@navident.co.uk

- Precision guidance for increased accuracy, within 0.5mm of the treatment plan*
- Prepare the implant site completely freehand with confidence of consistent results
- Easy to use, reducing time and expense with a simplified digital workflow
- Plans can be modified at any time, even during treatment
- Provides more opportunities for flapless protocols and without a physical guide

*Average error of 0.4mm in internal bench tests with a range of operating conditions.
Dynamic navigation with Navident 2.0 enables you to consistently achieve greater accuracy, whilst maintaining the flexibility and freedom associated with freehand placement. It gives you confidence that placement is restoratively driven and in the optimal position. From the simplest to the most complex cases, Navident provides better visibility and accessibility. The system provides more opportunities for flapless protocols. Surgery time is optimised and patient trauma, pain and recovery time are minimised.

**Precision from planning to placement**

The target position for each implant site is planned quickly and easily in the Navident software using the imported CBCT DICOM data. After registering the relative position of two optical tracking markers to the patient and drill, the software tracks the markers in real time using the stereoscopic camera. Using the fixed relationship of each planned drill site to the patient tracking marker, the navigation component of the software instructs the surgeon, on how and where to move their hand in real time. Continuous feedback is displayed through a simple graphic on the computer screen. This real-time tracking and guidance allows the surgeon to precisely guide the drill tip to the planned implant position and depth, using a freehand technique.

**Navident in practice**

- **Registration**: mapping the tracking marker for the jaw to the CT image and planning the drill site
- **Calibration**: mapping the drill tip to the tracking marker for the drill
- **Tracking**: mapping the tracking marker for the drill to the tracking marker for the jaw (dynamic – throughout operation)
Navident 2.0 with Trace and Place allows you to plan surgery using any recent CBCT scan taken by you or a referring dentist. The patient’s existing anatomy is traced and registered using a special tracing probe. The trace registration is automatically mapped to the same anatomy in the CBCT data. Treatment then proceeds using dynamic navigation.

The Navident software is easy to use, as it is designed solely to plan the implant site accurately and guide you to it. The system allows you to set your own tolerances for planning placement adjacent to other implants or critical structures. The software features the option to import 3D intraoral scan data, for superimposing soft tissue data onto your CBCT data, showing both hard and soft tissue simultaneously, for more precise planning of the implant position and restoration. The plan can be further exported in STL format, for fabrication of the temporary prosthesis and, in some cases, the final restoration, prior to treatment.

Trace the existing anatomy directly on the patient – no stent involved!

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@NavidentUK

NEW

Freehand surgery with real-time computer guidance

Trace and Place for a simplified digital workflow

Complete picture for more detailed treatment planning
David Burgess’ course delivery was outstanding and made the dynamic navigation process crystal clear. I found the Navident system very user friendly and was impressed with the precision that can be achieved with this procedure.

Dr (Professor) Lambodharan Rajasekaran, Vice Principal, CSI College of Dental Science and Research, Madurai, India
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@NavidentUK

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See for yourself how freehand surgery with real-time computer guidance aids more accurate implant placement.

Complete this card and return by fax or email to info@navident.co.uk.

- Please contact me to arrange a LIVE demonstration of the Navident system
- Please contact me about future dates for dynamic navigation courses

Your details:

Name: .................................................................
Practice: ..................................................................
Address: ..............................................................
Postcode: ............................................................... 

Email address: ...........................................................
Mobile Tel No: ........................................................
Direct Tel No: ..........................................................
Practice Tel No: ......................................................

Your role: Please tick
- Implant Dentist  - Endodontist
- Oral Surgeon  - Periodontist
- Other specialist (Please specify)

Keeping you informed

Tick below if you would like us to send you information by email about:
- Special offers, products and equipment connected with dynamic navigation
- Forthcoming dynamic navigation events and training courses

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