Pre-Operative Implant Planning

An increasing proportion of prosthetic elements produced through CAD/CAM processes are implant borne. Integrating the implant planning and the prosthetic design becomes essential to support the complete tooth-to-root workflow.

**Interface to Straumann® coDiagnostiX™**

Dental Wings is creating an interface between DWOS and Straumann® coDiagnostiX™, one of the leading pre-operative planning tools. This integrated solution enables implantologists, GPs and labs to collaborate within one common software platform during the entire tooth-to-root workflow.

The first completely open solution:

- The pre-operative implant planning software can import data (Dicom format) from any existing or new CBCT scanner.
- The pre-operative planning software enables users to place implants from many leading implant suppliers. This combination is unlike some other pre-operative planning tools that can be used only to plan implants from one supplier, forcing the dental professional to use different software tools to plan implants from different suppliers.
- The drill guides can be produced locally using a mechanical device (GonyX™). Other pre-operative planning systems lock the user into mandatory centralized drill guide manufacturing. Using this solution, the added value remains within the local dental team.

Straumann® coDiagnostiX™ and DWOS have significant track records and a large established base in the dental industry. Their integrated solution allows for “backward planning,” i.e. taking the prosthetic design as the starting point for implant planning and placement. The new interface between Straumann® coDiagnostiX™ and DWOS enables the best fit of prosthetic design with CBCT data. This combined information serves as input for implant planning and enables the pre-positioning of implants by taking into account the prosthetic design.

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1. Pre-operative planning global view
2. Implant placement within CT scan
3. Implant placement with diagnostic and plaster model scan