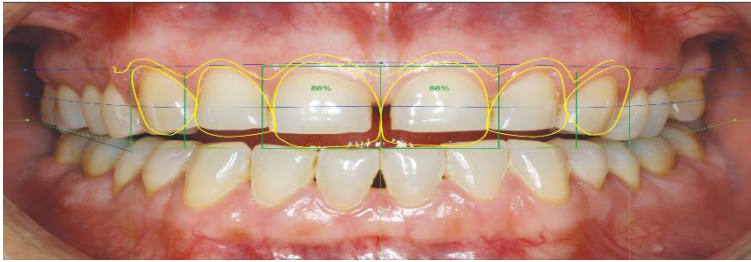


DSD guided
surgery

 **DSD**
PLANNING CENTER
www.digitalsmiledesign.com

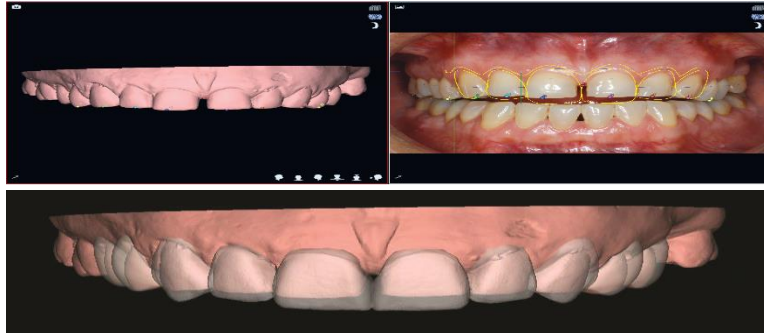
DSD_{2D}



The DSD designer team will create a 2D Project with a simulation of the patient's "before" and "after" situation. We will deliver a slideshow presentation that will become an extraordinary tool in the presentation of the treatment to your patients.

DSD_{3D}

Our planning experts at DSD Virtual Lab Planning Center will create a 3D STL file, based on a previous 2D Smile Design that can be used to print a 3D model of the case and transfer the Planning directly into the patient's mouth.



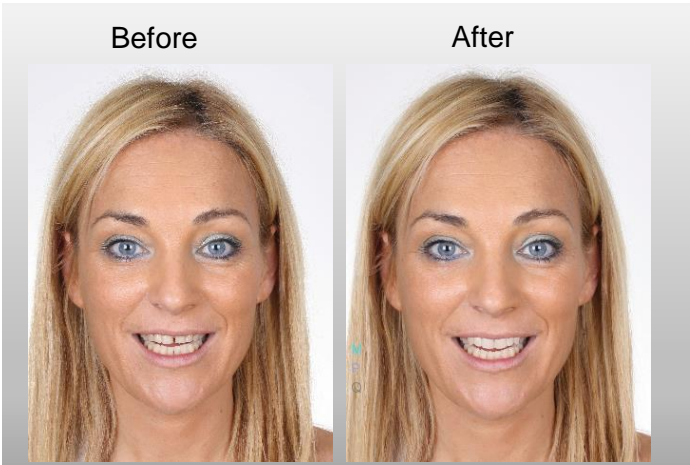
DSD guided surgery



DSD Guided Surgery is a Digital Implantology System based on the DSD Concept and DSD Protocol. It allows us to plan the placement of implants in the optimal 3D position from an aesthetic and functional point of view following the DSD 3D and DSD Mockup procedure.

Before

After



DSD_{mock up}



The precision of esthetic design and occlusion among initial project, provisionals and final restorations is fully maintained.



DSD Guided Surgery is a Digital Implantology System which enables the Clinic Doctor to place the implants according to the planning with absolute accuracy.

We adapt our Digital Planning to the patient's anatomic parameters but also to aesthetic prosthetic criteria, designing the aesthetics of the prosthesis before planning the implants.

To guarantee the best result possible, we use a Guiding System that offers the highest accuracy to place the implants in the ideal 3D position, with the precise depth and angle they were planned with.

DSD guided surgery

DSD GUIDED SURGERY SERVICES

- **Guided Surgery Planning**

Our team of implantologists, specialized in Digital Planning, allows us to offer an Implant Digital Planning service using NemoDSD Guided Surgery Software.

- **DSD Surgical Guides**

Any certified DSD LAB will be able to manufacture a Surgical Guide (Partially or Fully Guided) to allow the Clinic Dentist to keep the ideal 3D position for the Planned Implants in a quick, easy and extremely accurate way, ensuring the best functional and aesthetic results

- **DSD Milled Provisionals**

Thanks to the Digital Prosthesis Planning performed before Implant Planning, we can design an immediate loading provisional prosthesis based on the aesthetic planning (Smile Design) and functional criteria. The provisional Positioning Pins will help positioning the prosthesis in the exact planned position.

- **DSD Custom Abutments**

Our team will design specific customized abutments to optimize the aesthetic of the soft tissue around the implant.

The precision of esthetic design and occlusion among initial project, provisionals and final restorations is fully maintained.

BENEFITS

- **ACCURACY**

Ensuring the optimal 3D position of the implants we reduce the possibility of failure and improve the aesthetic of the restoration.

- **SECURITY**

Implant positions close to anatomical structures can be controlled using minimum distances and alarms.

- **EXPERIENCE**

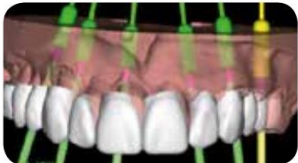
The system is endorsed by first class implantologists and Planning is performed by our expert dentists at DSD Virtual Lab Planning Center.

- **SATISFACTION**

By reducing the number of appointments, improving the aesthetics of the restoration and giving the possibility of minimally invasive surgery, we ensure our patient's satisfaction and loyalty.

- **IMMEDIATE**

Digital Prosthesis Planning allow us the possibility to perform an immediate load, if the case meets the requirements.



CT SCANNER + CONVENTIONAL IMPRESSIONS

PARTIALLY EDENTOLOUS

1.- Patient CT Scan (open mouth)

Use at least 0.3 voxel and export your scan as multiformat DICOM.



2.- Impressions

Take full upper and lower impressions of your patient. Be sure to capture vestibules, peripheral rolls, as anatomically distal, and as accurately possible.

3.- Bite

Capture full arch bite of the patient relating upper and lower dentition at closed position. If patient's opposing is a denture, be sure to use the denture as the opposing.

4.- Send us photos/videos & Color shade

Send us digital Clinical photos/videos of patients (DSD Protocol) and desired shade. (If provisional immediate loading is required)



FULLY EDENTOLOUS

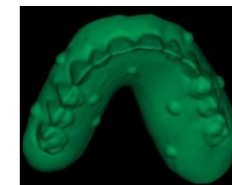
1.- Patient CT Scan wearing denture with markers

Reline denture if it is necessary. Insert gutta-percha marker spheres into denture. Randomly place at least 8 markers away from any reinforcing bar (if present). Scan patient wearing denture with markers (opened mouth). Export your scan as multiformat DICOM.



2.- Scan denture only

Remove denture from patient. Place denture on non-metallic platform and scan denture by itself. Use at least 0.3 voxel and export your scan as multiformat DICOM.



3.- Impressions and Scan

Take full upper and lower impressions of your patient (with and without prosthesis). Be sure to capture vestibules, peripheral rolls, as anatomically distal, and as accurately possible. And scan everything with a lab scanner.

4.- Bite

Capture bite of patient relating upper and lower dentition in occlusion. If patient has a denture, be sure to use the denture. And scan everything with a lab scanner.

5.- Send us photos/videos & Color shade

Send us digital Clinical photos/videos of patients (DSD Protocol) and desired shade. (If provisional immediate loading is required)

CT SCANNER + DIGITAL IMPRESSIONS

PARTIALLY EDENTOLOUS

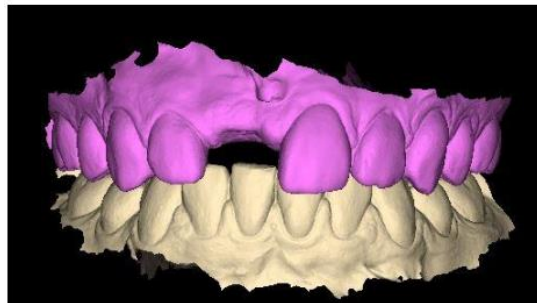
1.- Patient CT Scan (open mouth)

Use at least 0.3 voxel and export your scan as multiframe DICOM.



2.- Digital Impressions

Use your intra-oral scanner to take upper and lower impressions and bite register. Notify your service provider to send data as .STL files.



3.- Send us photos/videos & Color shade

Send us digital Clinical photos/videos of patients (DSD Protocol) and desired shade. (If provisional immediate loading is required)



FULLY EDENTOLOUS

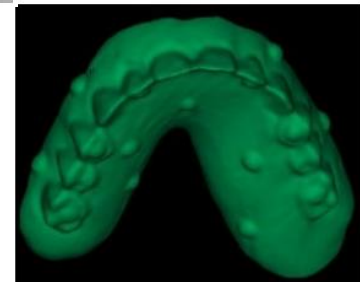
1.- Patient CT Scan wearing denture with markers

Reline denture if it is necessary. Insert gutta-percha marker spheres into denture. Randomly place at least 8 markers away from any reinforcing bar (if present). Scan patient wearing denture with markers (open mouth). Export your scan as multiframe DICOM.



2.- CT Scan denture only

Remove denture from patient. Place denture on non-metallic platform and scan denture by itself. Use at least 0.3 voxel and export your scan as multiframe DICOM.



3.- Upper & Lower Digital Impressions

Use your intra-oral scanner to take upper and lower impressions (with prosthesis and edentulous arch without prosthesis) and bite register. Notify your service provider to send data as .STL files.

5.- Send us photos/videos & Color shade

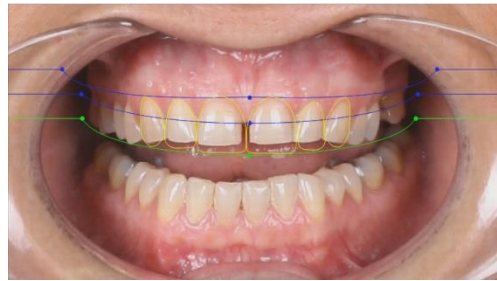
Send us digital Clinical photos/videos of patients (DSD Protocol) and desired shade. (If provisional immediate loading is required)

DSD CONCEPT: DSD 2D + DSD 3D + MOCKUP + GUIDED SURGERY PLANNING

First Step



DSD 2D Smile Frame



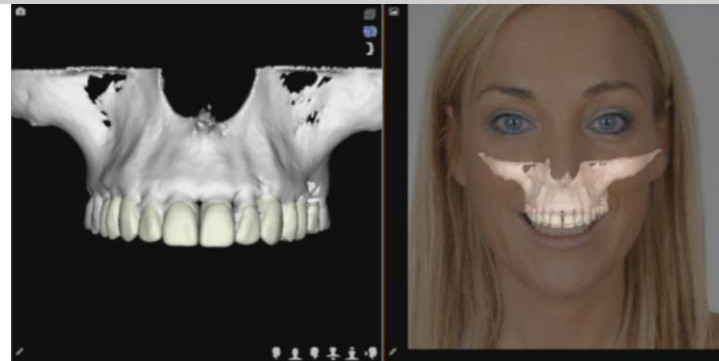
DSD 2D Simulation



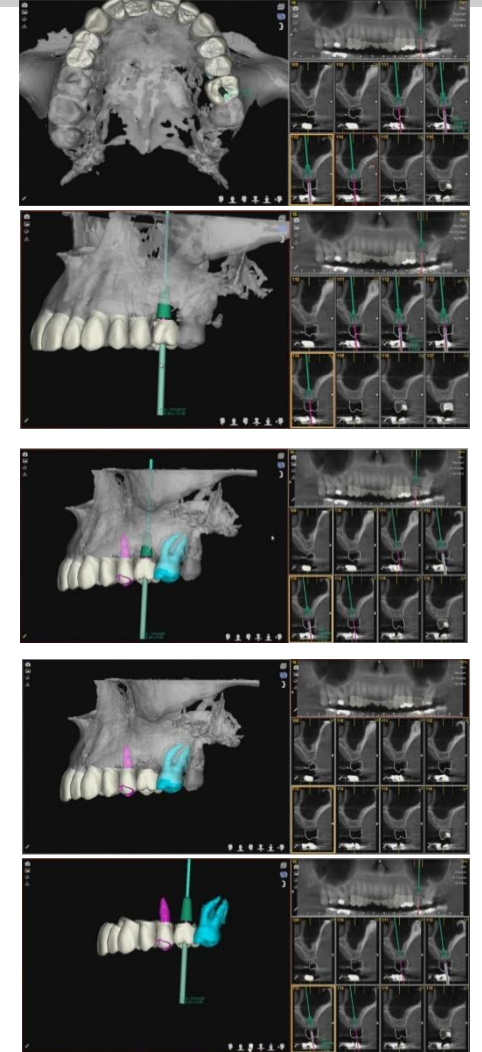
Transfer from 2D to 3D



Transfer from 2D to 3D + CBCT



Implant Planning





We have designed a whole new concept of DSD Courses, the DSD Residency.

After having travelled all around the world and enjoyed meeting thousands of colleagues and friends, it is time for us to invite you to our home.

We have created three DSD Training Centers in our clinics in São Paulo/Brazil at the Coachman/Well Clinic and in Madrid/Spain at the Smylife Clinic and New York, and have designed more complete courses that allow us to give you a better understanding of the DSD Concept and help you to implement it in your Clinic in a better and easier way.

We believe this is the best way to help you implement the DSD Concept and Digital Workflow in your Clinic.



DSD
TRAINING
CENTER



DSD
DAY

with Christian Coachman



The DSD Community is a global group of dentists who share their passion for Digital, Aesthetics and Interdisciplinary Dentistry.

We have developed a clear path that can be followed by all DSD Members and DSD Masters to achieve their goals, regardless of their interest in clinical, educational or technical areas of the concept.

Each level within the DSD Community has its own benefits and there are different requirements to advance to the next step

MEMBER

A MEMBER OF THE DSD COMMUNITY WHO HAS ATTENDED ONE OF OUR COURSES AND LEARNT THE BASICS OF DSD


DSD
MASTER

MEMBER WHO HAS ATTENDED A CLINICAL DSD RESIDENCY MODULE BECOMING A DSD MASTER and HAS SUCCESSFULLY IMPLEMENTED THE DSD CONCEPT & DIGITAL WORKFLOW IN THEIR CLINIC

CHOOSE YOUR PATH IN THE DSD COMMUNITY

CLINICAL

a DSD clinic

A CLINIC THAT HAS FULLY EMBRACED THE DSD CONCEPT & DIGITAL WORKFLOW, INTEGRATING DSD TECHNOLOGY AND PROTOCOLS, TRAINING THEIR INTERDISCIPLINARY TEAM IN EMOTIONAL DENTISTRY AND OFFERING THEIR PATIENTS THE HIGHEST QUALITY STANDARDS

EDUCATIONAL



A DSD MASTER WHO HAS PROVEN THEIR DEEP KNOWLEDGE AND PASSION FOR THE DSD CONCEPT AND IS TRAINED TO TEACH OTHERS IN THE DSD PHILOSOPHY AND DIGITAL WORKFLOW. INSTRUCTORS HOST THEIR OWN DSD COURSES INTRODUCING NEW MEMBERS TO THE DSD COMMUNITY

TECHNICAL

DSDLAB

A DIGITAL DENTAL LAB WHICH IS PREPARED TO MANUFACTURE ALL THE APPLIANCES NEEDED FOR THE DSD CONCEPT, MEETING THE TOP QUALITY STANDARDS THAT DSD DEMANDS



www.digitalsmiledesign.com

manzano@digitalsmiledesign.com