

# State-of-the-art in 3D Virtual Planning in Orthognathic Surgery

## Registration and Information

Registration fee: 300 EUR

Please contact A&R Eventi sas:

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Name: \_\_\_\_\_

E-mail: \_\_\_\_\_

Institution: \_\_\_\_\_

Address: \_\_\_\_\_

Country: \_\_\_\_\_

## Course Language

English (no simultaneous translation provided)

## Continuing Medical Education Points

Italian CME Points:

8,5 CME credit points for Italian attendees

Event n.:490-223714 ed. 1

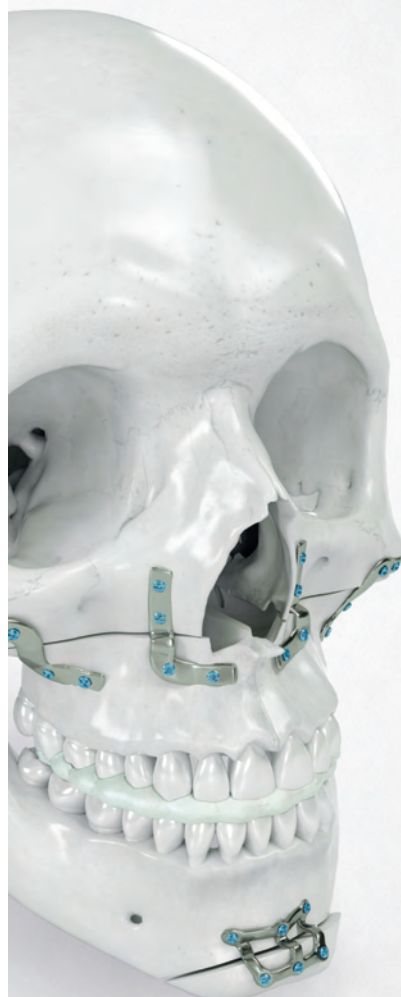
## Literature Reference

Swennen G.R.J. - 3D Virtual Treatment Planning of Orthognathic Surgery. A Step-by-Step Approach for Orthodontists and Surgeons. A Color Atlas and Manual. Springer 2017.

## IPS Implants

Patient-specific implants,  
planning tools and anatomical  
models manufactured with  
the latest technologies.

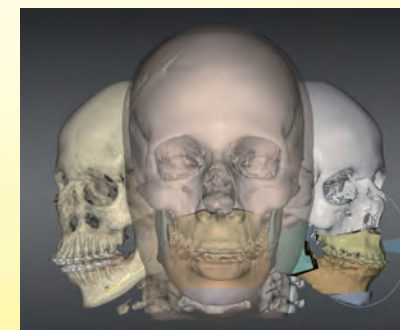
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**Bologna, Italy**

**June 9<sup>th</sup>, 2018**



Course Chairman: Prof. Gwen Swennen

In collaboration with



# - Meet the Experts -

## State-of-the-art in 3D Virtual Planning in Orthognathic Surgery

Bologna, Italy, June 9<sup>th</sup>, 2018

Dear friends, dear colleagues,

It is my great pleasure to introduce a series of teaching events held by the "Italian branch" of the S.O.R.G. Academy. These courses and hands-on workshops titled **"State-of-the-art in 3D Virtual Planning in Orthognathic Surgery"** in our opinion, is the best way to explore uncharted horizons and discover new chapters in maxillofacial surgery.

The introduction of computer planning, CBCT data, intraoral scanning and other new technologies have completely changed our working procedures. 3D imaging has become available for an increasing number of clinicians and is now a standard tool for diagnosis and treatment planning.

This hands-on PC based 3D Virtual Planning workshop on Orthognathic Surgery is suited for both surgeons and orthodontists and will be conducted by Professor Gwen R.J. Swennen (Maxillofacial and Facial Plastic surgeon from Bruges, Belgium). The intensive one day training course will focus on the workflow of Virtual Orthognathic Planning utilising the IPS CaseDesigner® planning software. The Bologna Maxillofacial Surgery team will also present clinical results based on the same workflow procedure.

The course will be held in Bologna at the S. Orsola University Hospital - Oral & Maxillofacial Surgery Unit, directed by Prof. Claudio Marchetti.

For international participants, it will be an excellent opportunity to learn and visit one of the most important universities in the world; for the Italian attendees, it will be the first step to enter into a high level teaching academy.

Looking forward to welcoming you in Bologna!

Prof. Alberto Bianchi  
Course Director

### Organizing Committee



**Alberto Bianchi**  
Course Director  
Catania, Italy



**Gwen Swennen**  
Course Chairman  
Bruges, Belgium



**Tobias Held**  
Course Coordinator  
Tuttlingen, Germany

### International Faculty

**Alberto Bianchi**, Catania, Italy  
**Enrico Costabile**, Bologna, Italy  
**Gwen Swennen**, Bruges, Belgium

### Course Venue

Policlinico Sant'Orsola-Malpighi  
Via Pietro Albertoni, 15  
40138 Bologna BO  
Italy

### Program

Saturday, June 9<sup>th</sup>, 2018<sup>t</sup>

<b>08:30 – 08:40</b>	Welcome
<b>08:40 – 09:00</b>	The Bologna experience with virtual planning and IPS (Part1)
<b>09:00 – 10:30</b>	Imaging workflow <ul style="list-style-type: none"><li>• Imaging workflow – from DICOM / STL data towards a 3D virtual articulator of the patient</li><li>• Setting up the PHP (Planning Head Position) based on the clinical NHP (Natural Head Position)</li><li>• Scanning protocols for non-segmental and segmental occlusal definition</li><li>• Questions and Answers</li></ul>
<b>10:30 – 11:00</b>	<b>Coffee Break</b>
<b>11:00 – 12:30</b>	3D Virtual diagnostics and osteotomies <ul style="list-style-type: none"><li>• Virtual diagnostics including customized and user-friendly 3D cephalometric analysis</li><li>• Creating virtual customized non-segmental and segmental osteotomies</li><li>• "Pitch – Roll – Yaw " and 3D translational movements with simultaneous soft tissue simulation</li><li>• Questions and Answers</li></ul>
<b>12:30 – 13:40</b>	<b>Lunch Break</b>
<b>13:40 – 14:00</b>	The Bologna experience with virtual planning and IPS (Part 2)
<b>14:00 – 15:30</b>	3D Virtual treatment planning <ul style="list-style-type: none"><li>• Clinical driven "Step-by-Step" Individualized 3D Virtual Treatment Planning using "the 10 Steps"</li><li>• Planning several cases</li><li>• Questions and Answers</li></ul>
<b>15:30 – 16:00</b>	<b>Coffee Break</b>
<b>16:00 – 17:30</b>	Transfer of the 3D virtual treatment plan <ul style="list-style-type: none"><li>• Creating virtual splints ("maxilla first" or "mandible first")</li><li>• IPS Gate – the online communication platform (virtual splints vs. Patient Specific Implants)</li><li>• Planning several cases (continued)</li><li>• Questions and Answers</li></ul>
<b>17:30 – 18:00</b>	Closing remarks Presentation of the S.O.R.G. Academy "Italian Branch" End of course