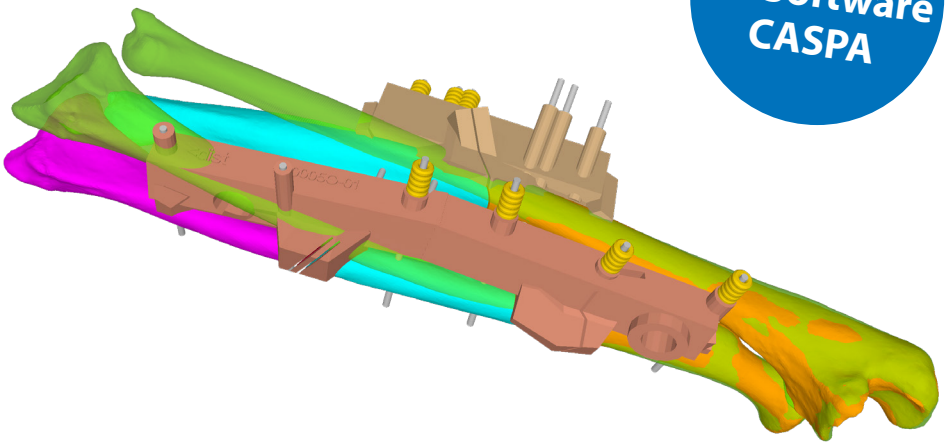
Balgrist
Universitätsklinik

training with
**3D Software CASPA**



**Program**

# 3D planning in handsurgery: A hands-on computer course

**Thursday, 21st August 2025**
13.00 – 18.00 hours

Balgrist University Hospital, Zurich

Universität Zürich[UZH]

swiss olympic Medical Center

## 3D planning in handsurgery: A hands-on computer course

3D planning and PSI for the treatment of osteotomies has become standard. 3D analysis of bone deformations or malunited bones in comparison with the mirrored opposite side or a statistical shape model helps at all to understand the malformation and allows an exact quantification. This is the basis for an optimal operation planning, be it for osteotomies with patient specific instrumentation with cutting, drilling and reposition guides, for a short analysis of a complex distal radius fracture or the best position of an ulnar head prosthesis.

Bring your own computer (Windows) with you where the 3D software CASPA will be installed. You will learn the basics of planning an osteotomy: handling 3D bone models, automatic registration, cutting and shifting bone fragments, building up cutting- and reposition guides.

We are looking forward sharing our expertise with you.

## Faculty

### Balgrist University Hospital

**Prof. Dr. med. Andreas Schweizer**
Head Physician Hand Surgery
**PD Dr. med. Lisa Reissner**
Senior Consultant Hand and Peripheral Nerve Surgery
**Bastian Sigrist**
Head of Center for 3D preoperative planning and 3D printing
**Sara Bayer**
Deputy Head of Center for 3D preoperative planning and 3D printing

**Location**
Balgrist University Hospital
Forchstrasse 340
8008 Zurich, Switzerland

**CME Credits**
Swiss Handsurgery SGH: 5 Credits
Swiss Orthopaedics: 4 Credits

**Information / Registration**
Course fee CHF 150 including software (licence for course) and coffee break

Limited number of participants

Course language English & German

Further information can be found on our website www.balgrist.ch/kongresse or via QR Code:

**Contact**
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## Program
## Thursday, 21 August 2025

| | |
|---|---|
| *from 13.00* | CASPA software installation: Bring your own Windows PC/laptop (best function with external mouse) |
| 14.00 | Welcome and introduction |
| 14.15 | First steps with CASPA:<br>• Import and modify 3d models<br>• Basic functions: shift, rotation, mirroring, scaling, registration, Boolean operations |
| 15.00 | Case: Distal radius extraarticular malunion<br>• Cutting<br>• Simulation reposition<br>• Placing osteosynthesis plate<br>• Construction of guides (ramp guide) |
| *15.45* | *Coffee break* |
| 16.00 | Case: Distal radius intraarticular malunion<br>• Multiplanar cutting<br>• Reposition<br>• Simulation reposition |
| 16.45 | Case: Radius shaft malunion<br>• Osteotomy in single cut technique |
| 17.30 | Special applications:<br>• Kinematic<br>• Collision detection<br>• Prosthesis/implant planning |
| *18.00* | *End of course* |

**In collaboration with:**

Medacta International

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