

# Hands On Instructional Course Traumatic Vertebral Fractures

26 September 2023

9.00am - 18:00pm

Location: Skills\_center

University Medical Center Groningen

The Netherlands



## Content

The departments of Trauma Surgery of the UMCG and the Amsterdam UMC organize in cooperation with DePuy Synthes a Hands On Instructional Course Traumatic Vertebral Fractures.

The OR situation is fully simulated with Thiel'se bodies, original instruments, implants and an image intensifier. Navigation is trained on modern realistic dummies.



## About the course

**Target Group:** Trauma surgeons, orthopaedic surgeons, neurosurgeons, fellows and residents in surgery / orthopaedics / neurosurgery.

**At the end of the course:**

- You will become familiar with the new European recommendation on thoracolumbar spine fractures of the European Society of Trauma and Emergency Surgery.
- You can describe and classify a vertebral fracture.
- You can determine the correct indication for a surgical stabilization.
- You have knowledge of current insights about the timing of an operation
- You are familiar with different stabilization techniques
- You will know how to act in case of a spinal cord injury.

**Course duration:** 1 day

## Program

09.00 Registration

09.30 Opening

09.35 Introduction skills center

09.40 Image intensifier safety instructions

09.45 Anatomy and classification

10.05 Indication and timing

### Break

10.45 Dorsal and ventral stabilization techniques

11.05 Spinal cord injury, treatment strategies

### Lunch

12.30 Practical training at 4 stations

1. Navigated spine stabilisation
2. Ventral approach
3. Dorsal approach
4. Lumbar pelvic fixation

17.45 Closure with drinks

18.00 End of the course



## The lectures

The lectures will be given plenary, with the opportunity for interactive participation. The course will use the recent published European recommendation on thoracolumbar spine fractures from the European Society of Trauma and Emergency Surgery. During the practical part, you will participate in all four stations. This gives you the opportunity to train under the guidance of an experienced instructor. The skills center is a modern and fully equipped training center and offers many facilities.

## Navigation: Real Spine Models

For navigated pedicle screw placement we will use Real Spine models, which are very realistic dummies. They are build-up of sawbone and soft tissue and even the blood supply and dura are present. The CT data from the models are loaded into the Brainlab navigation system.

## OR situation:

The OR situation is simulated. You will be working with specific embalmed Thiel'se bodies, original instruments, implants and an image intensifier. You will train both the dorsal and ventral approach under the guidance of experienced specialists. Lumbar pelvic fixation is also covered.



## Location

Skills Center University Medical Center Groningen

Hanzeplein 1

9713 GZ Groningen

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## Cost and registration

Participation in this course costs 295.00 euros per person.

This course is limited to a maximum of 16 students.

You can register via e-mail: [n.kool@umcg.nl](mailto:n.kool@umcg.nl) or by telephone +3150361 28 76. After this you will get a definitive registration form from us. Your definitive placement will take place after payment.



## More information

Additional Information

UMCG <http://umcg.nl/>

Skills Center <https://onderwijs.umcg.nl/w/skills-center>

## Organization

Klaus Wendt, trauma surgeon UMCG

Frank Bloemers, trauma surgeon Amsterdam UMC

Martijn Verhagen neuro surgeon. NWZ, Alkmaar

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## Questions

For questions, please contact the trauma surgery secretariat UMCG

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