

Pilon Masterclass Course at DKOU Berlin

Instructor: Bertil Bouillon

For surgeons

October 24th 2019 in the Wetlab at DKOU2019 in Hall 4.2

TRAUMA ACADEMY CONCEPT

Lifelike simulation meets surgical training 4.0



Course agenda with lifelike fractures is blended with digital innovations

hands-on wet lab



Process

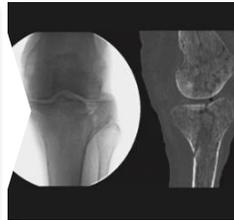
Recap steps of fracture management



Get to know different implant systems



Diagnosis along X-Ray & CT



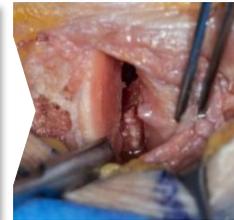
Plan in groups & present to plenum



Approach planning



Fracture treatment



Reduction and osteosynthesis



Treatment result



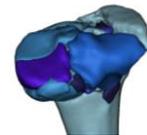
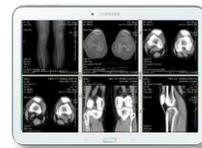
Tools



Case-based presentation & discussion



Powerpitch "5-Slides-in-5-Minutes" & demo kits



Planning supported by tablets, VR-segmentation, 3D prints, + "patient" report (age, weight, height)



Intraoperative 3D fluoroscopy for success control



Case discussion in plenum

Agenda enables end-to-end Trauma Management

October 24th

Workshop with specimen & „live operation“ Pilon

Time	Agenda	Dauer
09:00	Organise your plan Introduction & Welcome	15 min
09:15	Know your implants Industry Speed-Dating	25 min
09:40	Define your Plan Planning with X-ray, CT, 3D-prints	40 min
10:20	Operate your Plan Hands-on Wetlab Pilon	120 min
12:20	Defend your Plan Presentation & discussion of results	35 min
12:55	Closing	5 min



Strong team of involved parties to create excellence

Industry Partner



Faculty

Name	Prenome	Country	Status
Biberthaler	Peter	Germany	Confirmed
Hoffmann	Michael	Germany	Confirmed
Mittlmeier	Thomas	Germany	Confirmed
Von Recum	Jan	Germany	Confirmed
Seifert	Julia	Germany	Confirmed

Moderator

Bouillon	Bertil	Germany	Confirmed
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Course with High-Potential participants



Vorname

Name

Klinik

TBD		
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Content of industry presentation – „Know your Implants“

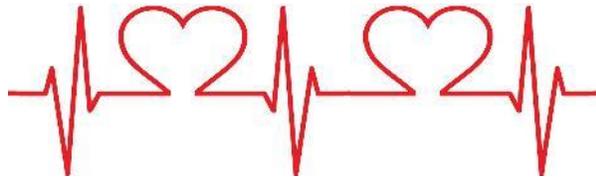
Organize your **plan**

Know your implant

Define your **plan**

Operate your **plan**

Defend your **plan**



SURGEON



SPEED-DATING

MEETS



IMPLANT PARTNER



Strategy development as a group – „Define your plan“

Organize your **plan** → Know your **implant** → **Define your plan** → Operate your **plan** → Defend your **plan**

Tools to define the plan

“Patient” report
(age, weight, height, gender)

X-ray scans

CT scans

VR model

3D prints



15min strategy development & 5min presentation



1. **Classification**
 - Displacement
 - Articular/Non-Articular
 - Fragmente
 - Soft tissue injuries
2. **Access**
 - Which and how many?
 - Minimal or extended access
 - Risks
3. **Reposition**
 - Tools
 - Temporary Fixation
4. **Fixation plan**
5. **Risks, alternatives and patient needs**

Hands-on workshop with prefabricated specimen – „Operate your plan“

Organize your **plan**

Know your **implant**

Define your **plan**

Operate your **plan**

Defend your **plan**

Lifelike fractures at Wetlab



Medical treatment supported by imaging



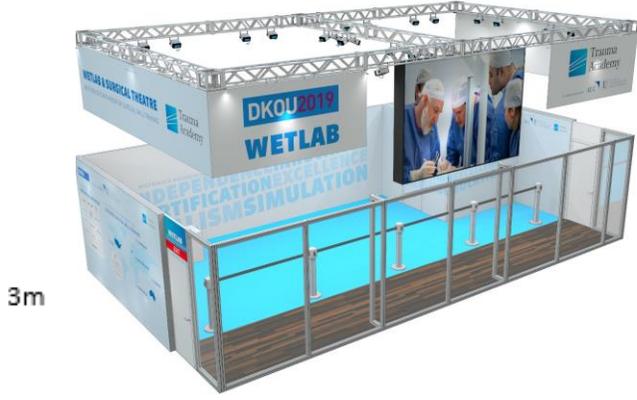
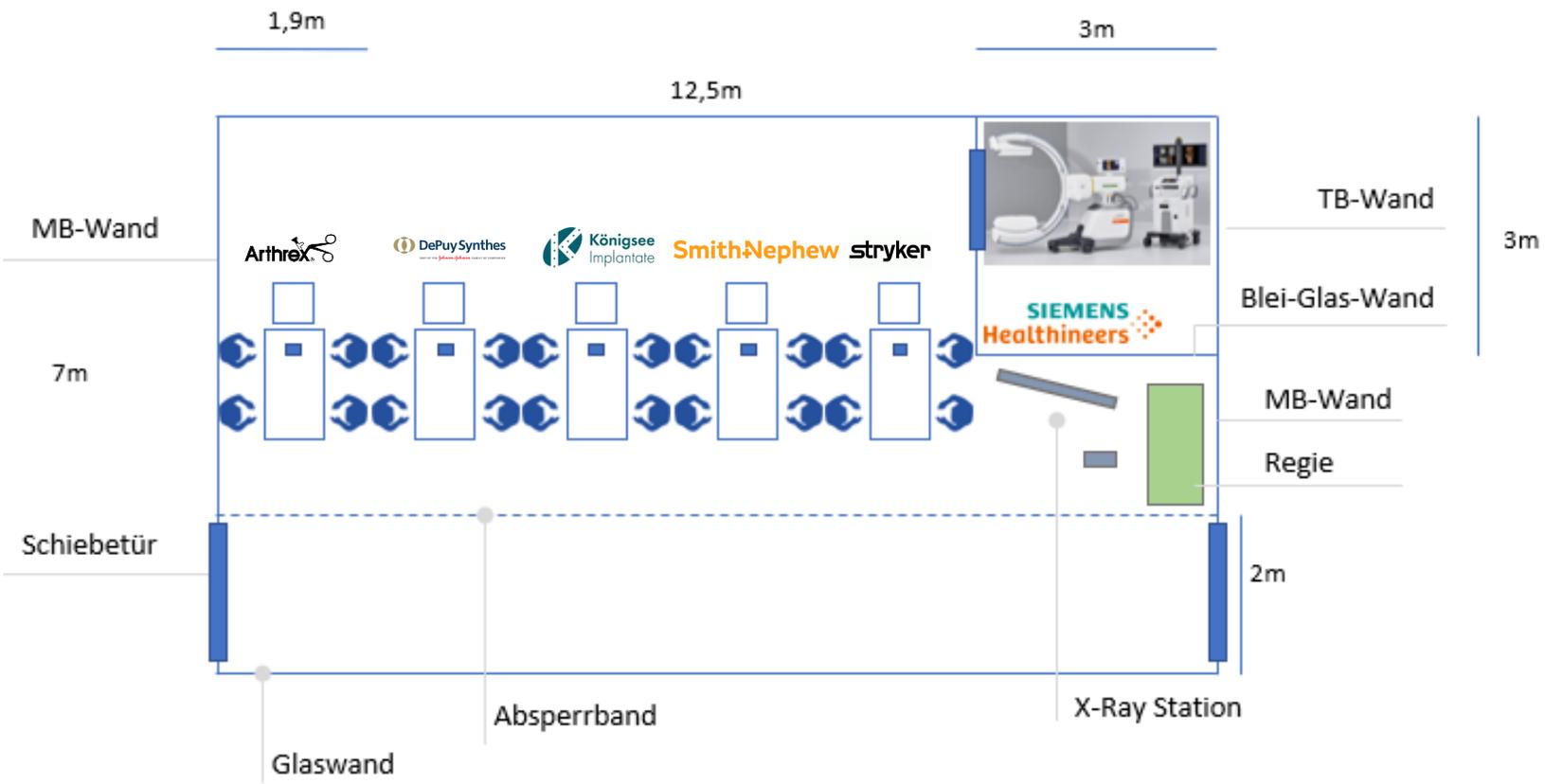
Fractured specimen

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Intraoperative 3D fluoroscopy

DKOU 2019 WETLAB AT EXHIBITION HALL 4.2



Die „PILON“ – challenges at DKOU

Details in Appendix

Station 1	Station 2	Station 3	Station 4	Station 5
				
1 TBD	2 TBD	3 TBD	4 TBD	5 TBD

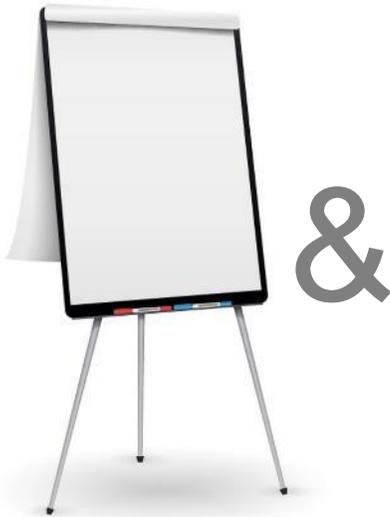
Working places– Pilon

	Station 1	Station 2	Station 3	Station 4	Station 5
Industriepartner					
Instruktor	Hoffmann	von Recum	Seifert	Biberthaler	Mittlmeier
Teilnehmer 1	TBD	TBD	TBD	TBD	TBD
Teilnehmer 2	TBD	TBD	TBD	TBD	TBD
Teilnehmer 3	TBD	TBD	TBD	TBD	TBD

Presentations and learnings from the Wetlab – „Defend your plan“

Organize your **plan** → Know your im**plant** → Define your **plan** → Operate your **plan** → Defend your **plan**

Benefits from pre-operative planning & intra-/post OP X-ray



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5min presentation of treatment

- Description & explanation of differences between planned and actual treatment?
- Challenges or surprises?
- How did you solve it?
- What would you do differently next time?
- What are your new findings? What is your greatest learning?

International Pilon Master Course

***Let's elevate surgical
education to the next level.***



**Trauma
Academy**

ENABLING EXCELLENCE

TRAUMA ACADEMY

c/o RIMASYS GmbH
Nattermannallee 1
50829 Cologne
GERMANY

Mail: admin@trauma-academy.com

Managing director: Marc Ebinger, Robert Holz

Explore more via www.trauma-academy.com