Federal State Institution «Russian Research Institute of Traumatology and Orthopedics n.a. RR Vreden», Ministry of Health of the Russian Federation

Akademika Baykova street, 8
195427, St-Petersburg, Russia
Phone: (812) 556 08 28
Phone/FAX: (812) 550 79 01
www.rniito.org
info@rniito.org

Lectures, workshops, seminars & discussions
for the course
"Basic and advanced usage of the orthopedic hexapod Ortho-SUV Frame"

Course Chair:
Prof. Leonid N. Solomin
Faculty:
Assist. Prof. Elena A. Shchepkina
Assist. Prof. Fanil K. Sabirov
Konstantin L. Korchagin, MD, PhD
Dr. Saygid Rokhoev

Lectures

1. Corrections of deformations of long bones with use of external fixation: some main requirements
2. Orthopedic hexapods. Ortho-SUV Frame (OSF): & Geography - History
3. OSF Hardware
4. Extracortical Clamp Device (ECD)
5. Using OSF software for mechanical axes identification ("Blue angle")
6. Features of radiographs cases
7. Features of using the Ortho-SUV program for reposition of fragments when they overlapping
8. ExFix in knee joint surgery (stiffness, luxations)
9. OSF assemblies for knee luxations and contractures treatment
10. OSF software, Step 14: Multi total residual
11. Correction of knee luxation when using Ortho-SUV Frame (software)
12. Correction of knee contractures when using Ortho-SUV Frame (software)
13. Correction principles of midfoot, hindfoot and ankle deformities when using external fixation
14. OSF assemblies for ankle luxation and stiffness
15. Correction of ankle luxation when using Ortho-SUV Frame (software)
16. Correction of foot equinus when using OSF (software)
17. Planning of midfoot deformity correction
18. OSF assembly for midfoot deformity correction
19. Correction of midfoot deformities when using OSF (software)
20. Planning of hindfoot deformity correction

21. Correction of hindfoot deformities when using OSF (hardware)
22. Correction of hindfoot deformities when using OSF (software)
23. Tips &Tricks at OSF use
24. Additional features of the Ortho-SUV Frame

Workshops

1. OSF hardware assembling on oblique plan tibia deformity model
2. OSF software usage for one-plane tibia deformity model correction
3. OSF software usage for oblique plan tibia deformity model correction
4. Correction of proximal tibia deformity
5. Correction of distal femur deformity
6. Calculation of X-ray long bone deformity cases
7. Features of using the Ortho-SUV program for reposition of fragments when they overlapping
8. OSF assembly for knee luxations and contractures treatment
9. Correction of knee luxation when using OSF (model)
10. Correction of knee luxation when using OSF (X-ray cases)
11. Correction of knee contractures when using OSF (model)
12. Correction of knee contractures when using OSF (X-ray cases)
13. OSF assembly for ankle luxation treatment
14. Correction of ankle luxation when using OSF (software)
15. Correction of ankle luxation when using OSF (X-ray cases)
16. Correction of foot equinus when using OSF
17. Correction of foot equinus when using OSF (X-ray cases)
18. Planning of midfoot deformity correction
19. Correction of midfoot deformities when using OSF (hardware)
20. Correction of midfoot deformities when using OSF (software)
21. Correction of midfoot deformities when using OSF (X-ray cases)
22. Planning of hindfoot deformity correction
23. Correction of hindfoot deformities when using OSF (hardware)
24. Correction of hindfoot deformities when using OSF (software)

Seminars & Discussions

1. Basic OSF assemblies for long bone deformity correction
2. Features of an X-ray examination using the OSF for correction of long bone deformities
3. Features of an X-ray examination using the OSF for correction of knee and ankle contractures
4. Features of an X-ray examination using the OSF for correction of midfoot and hindfoot deformities

Note!

- Each participant should have a windows-based(!) computer with monitor at least 14 inches and standard mouse (not only the touchpad!)
- Each participant should have a digital camera connected with computer
- Each participant should have experience in long bone deformity correction
- Each participant must receive the "Ortho-SUV-collection-***" and place it on the desktop of their computer
- Each participant should install HASP-key on your computer. This is a program to prevent unauthorized use of OSF software. The installation instruction is located in the file "OSF soft - Installing-0318.pdf" (folder "OSF-Software"). Note that even after installing the HASP-key, you

cannot run the OSF program. This will require the HASP-key itself. It will be issued to you during the course

- Each participant should be pre-acquainted with all the lectures and instructional materials located in the folders “Ortho-SUV Frame - Manual”, “Some Chapters”, “RLA” and at “YouTube – Ortho-SUV Frame – Channel”
- *Organizers* must ensure the condition: no more than three participants per worktable