

## PATIENT'S SURGICAL HISTORY REFERRED PATIENT

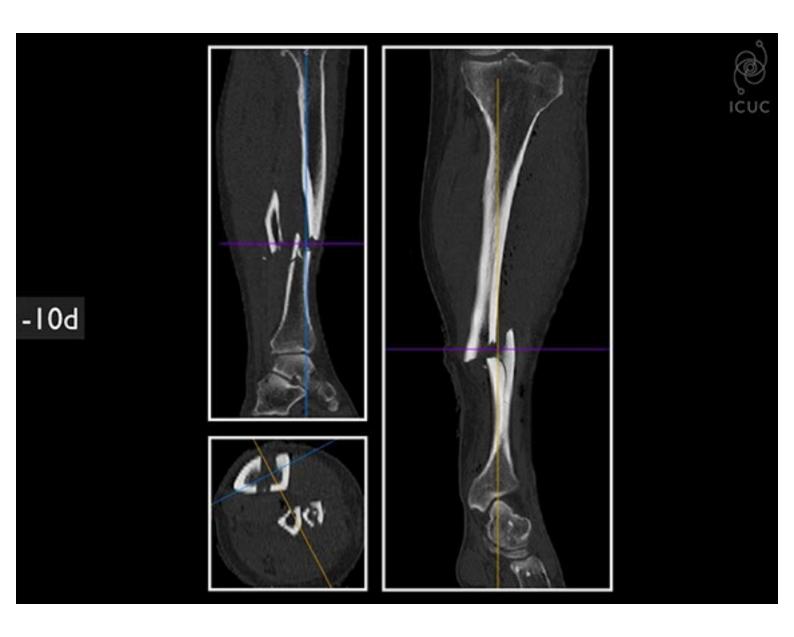
-10d 1ST SURGERY (Undocumented) Ex. Fix. for damage control

2ND SURGERY (Undocumented)

Ow RD SURGERY

Tibia: IM nail Fibula: 1/3 tubular plate + proximal K-wires

Lag screws in proximal tibia



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1ST SURGERY (Undocumented)

Ex. Fix. for damage control

2ND SURGERY (Undocumented)

Lag screws in proximal tibia

0w

3RD SURGERY

Tibia: IM nail

Fibula: 1/3 tubular plate + proximal K-wires







-10d ST SURGERY (Undocumented)

2ND SURGERY (Undocumented)

Lag screws in proximal tibia

Ex. Fix. for damage control

Ow SRD SURGERY

Tibia: IM nail

Fibula: 1/3 tubular plate + proximal K-wires



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Lag screws in proximal tibia

Ow 3RD SURGERY

Tibia: IM nail

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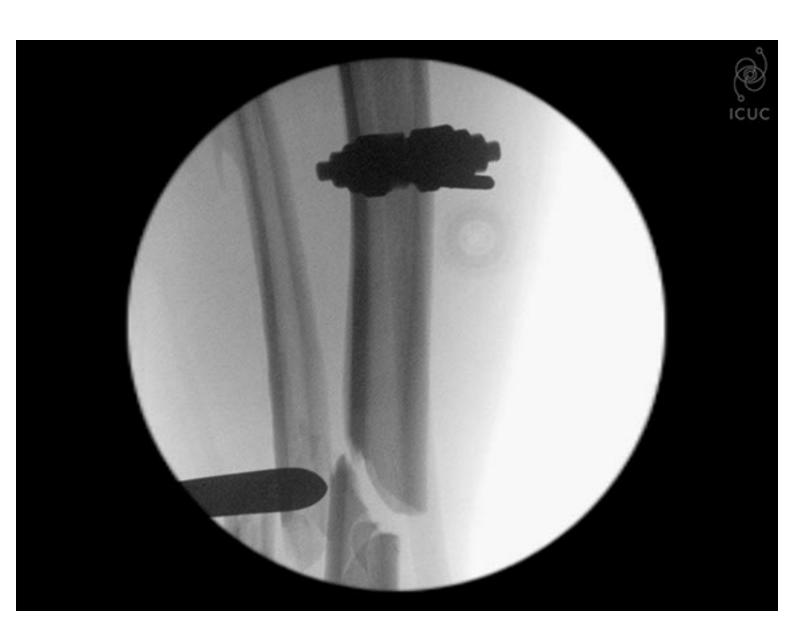




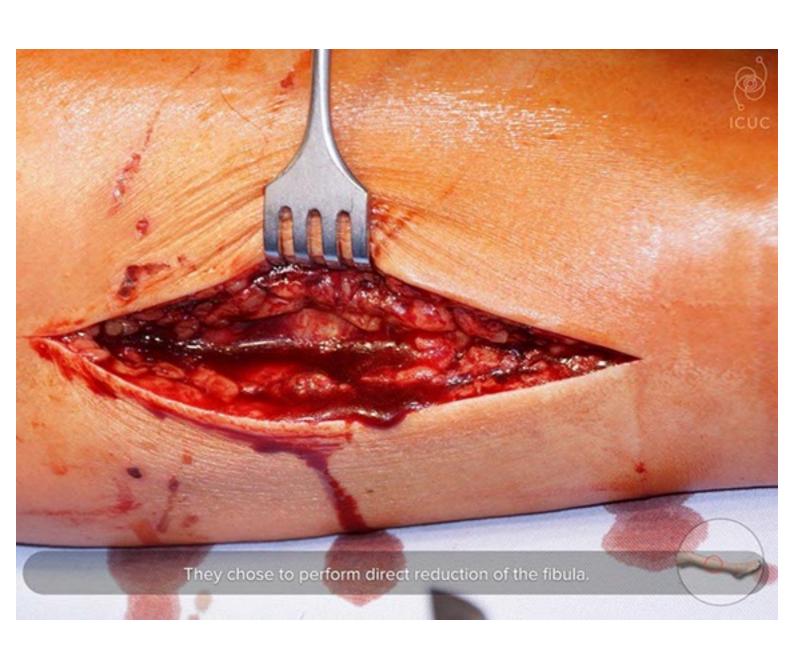




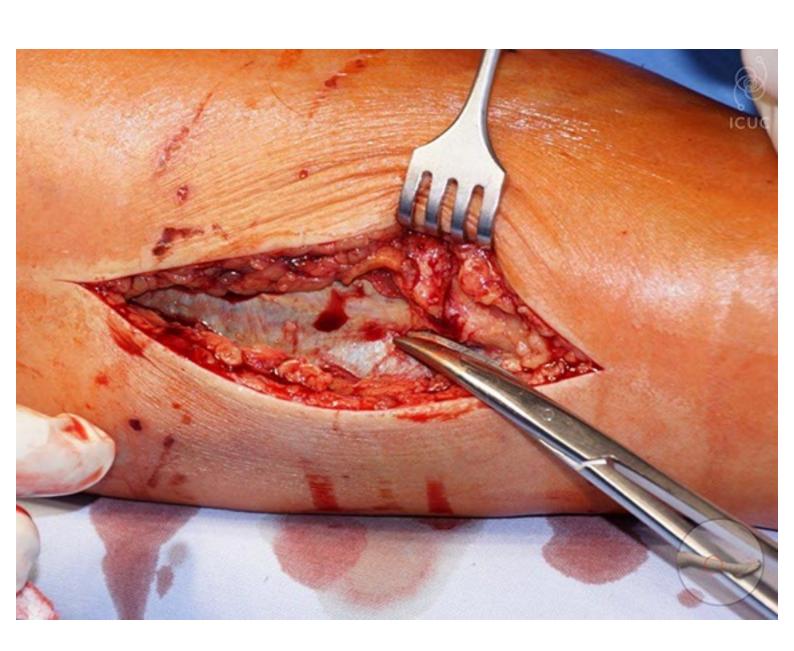


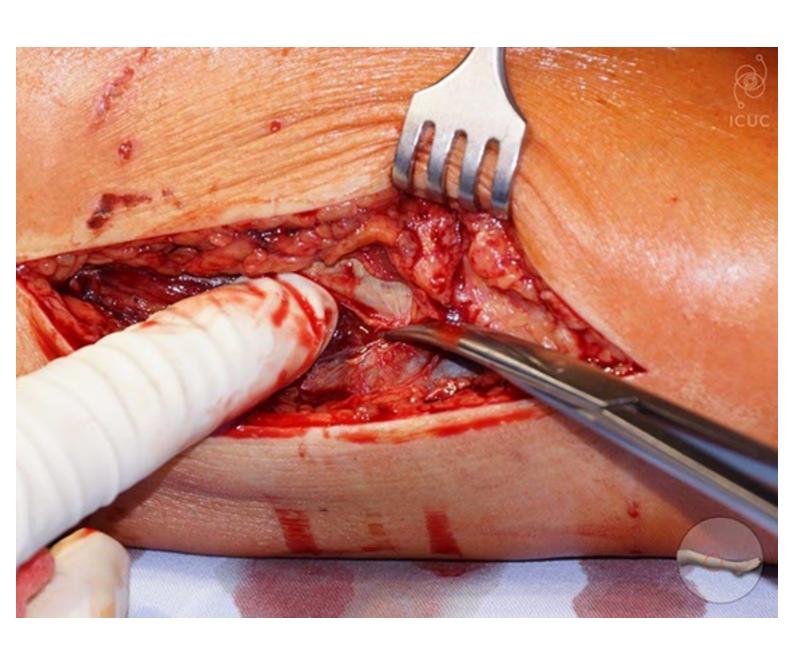


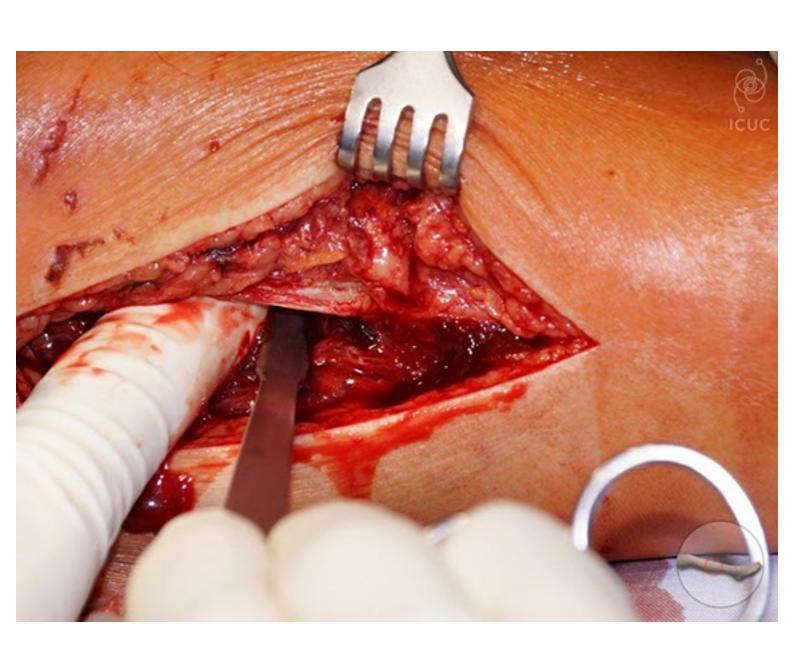


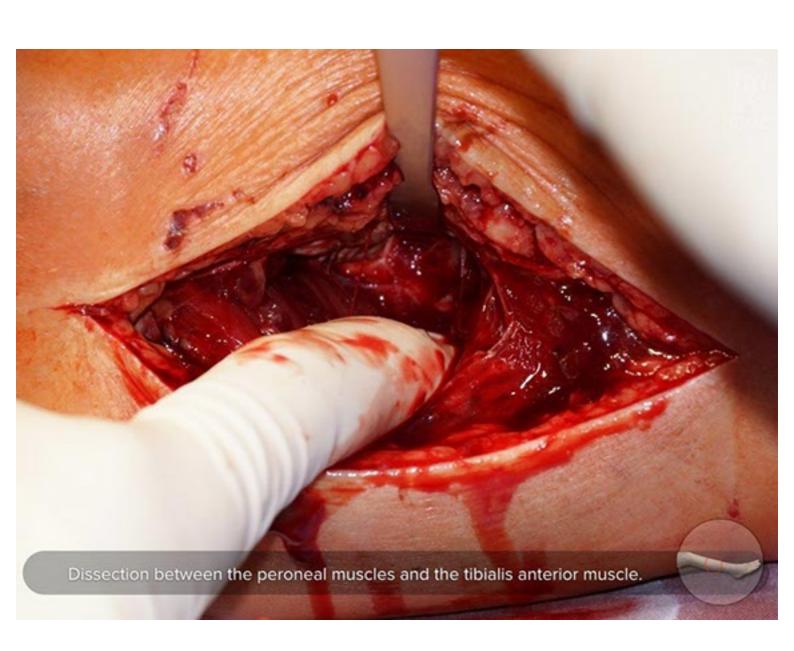


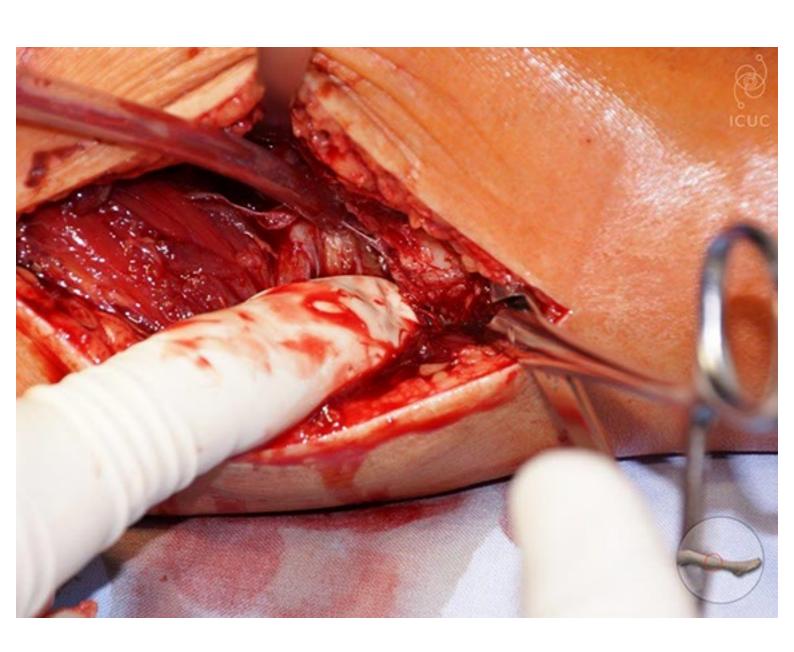


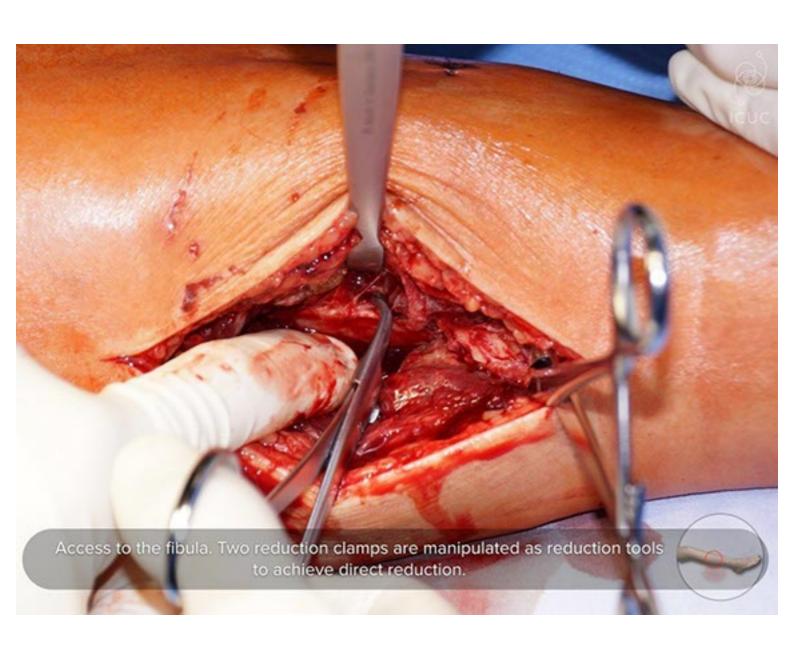


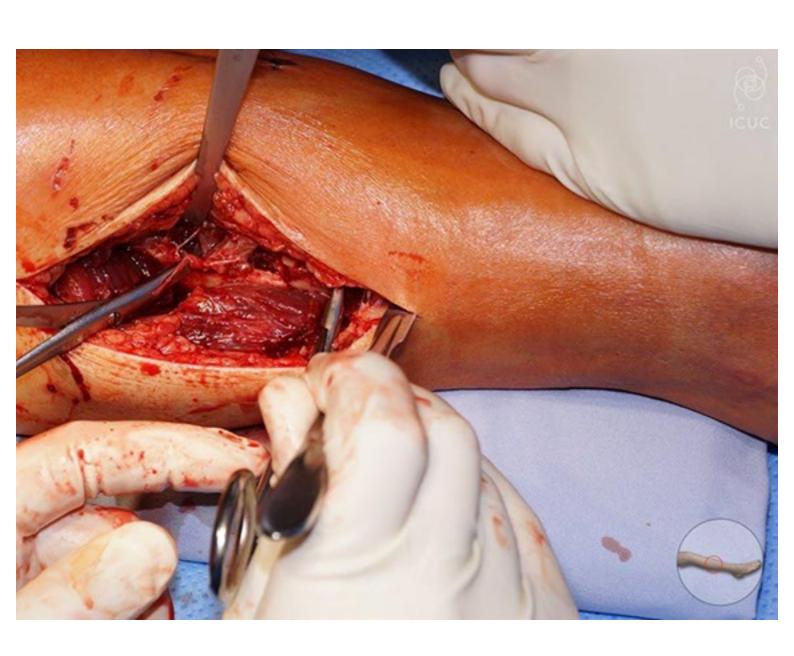




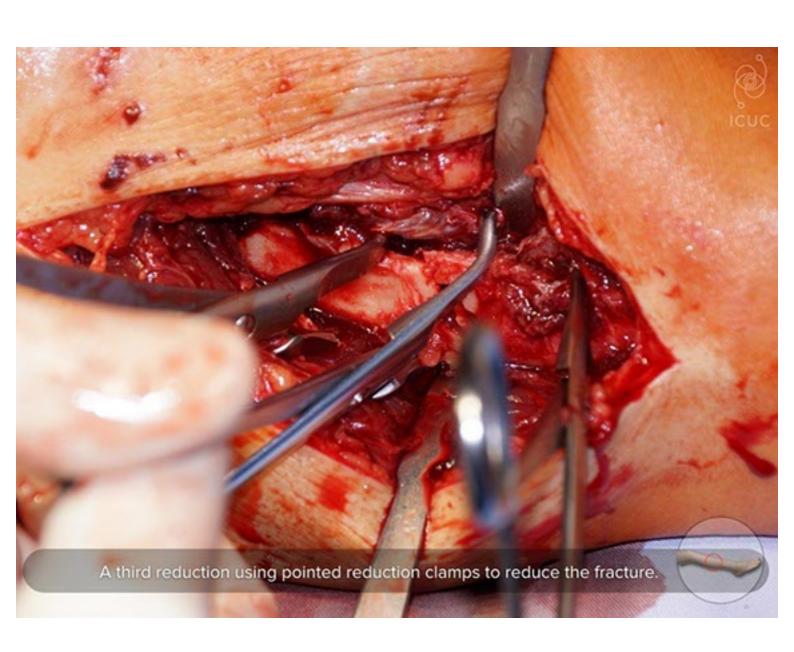


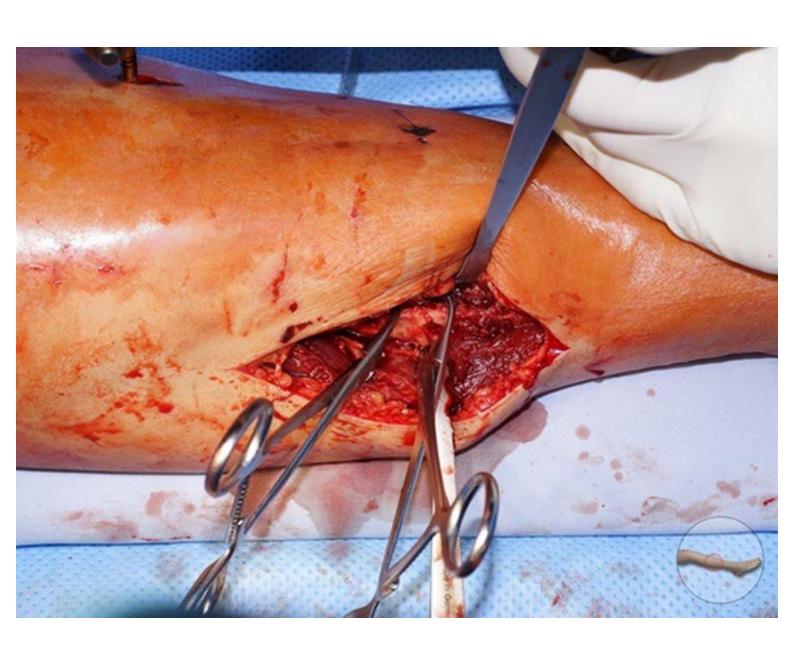


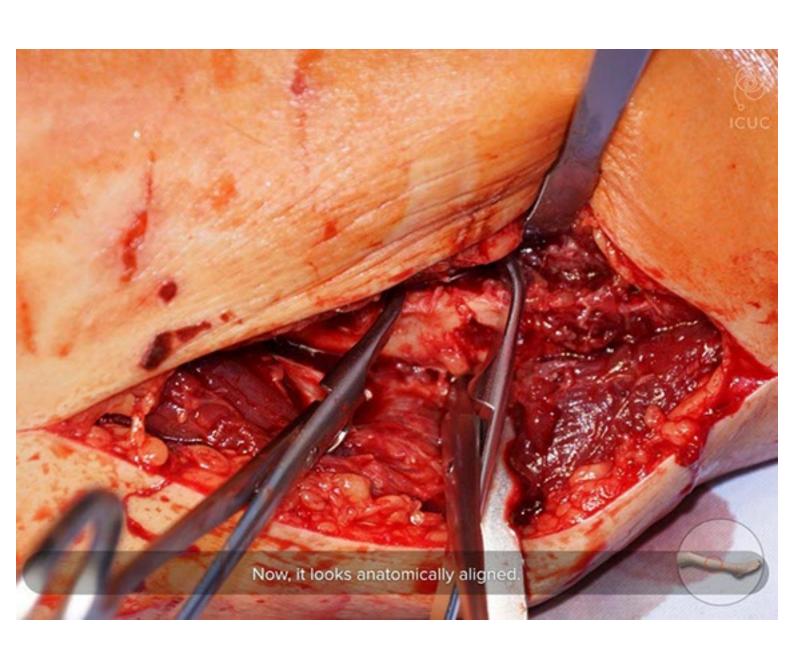


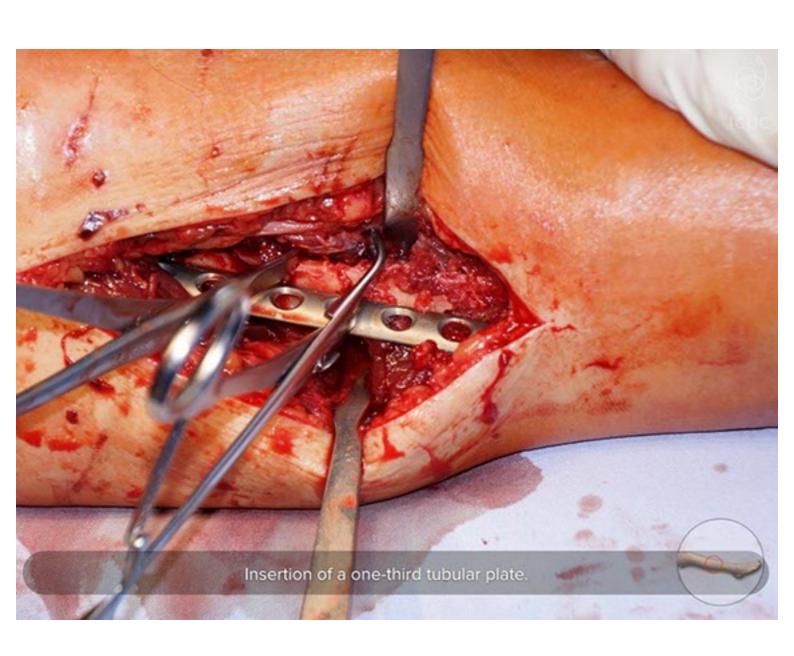


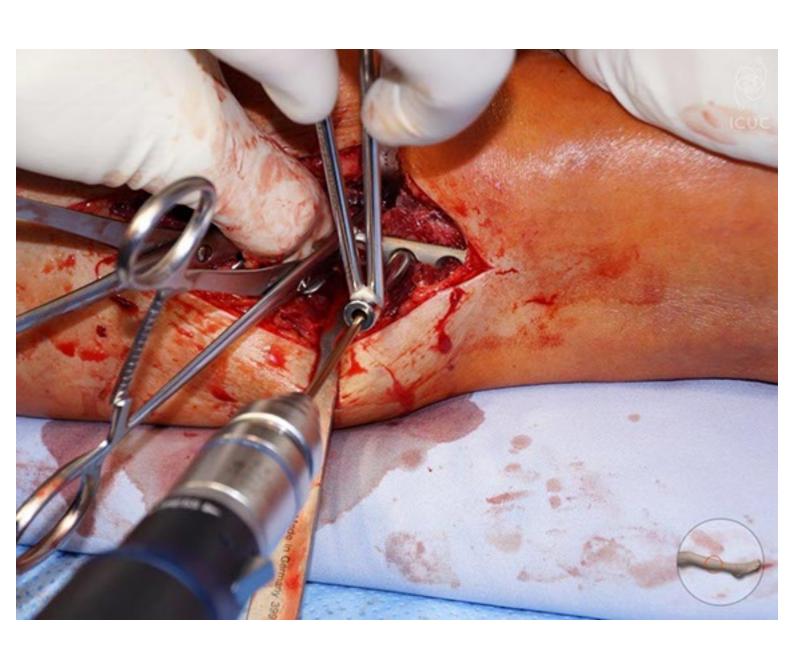


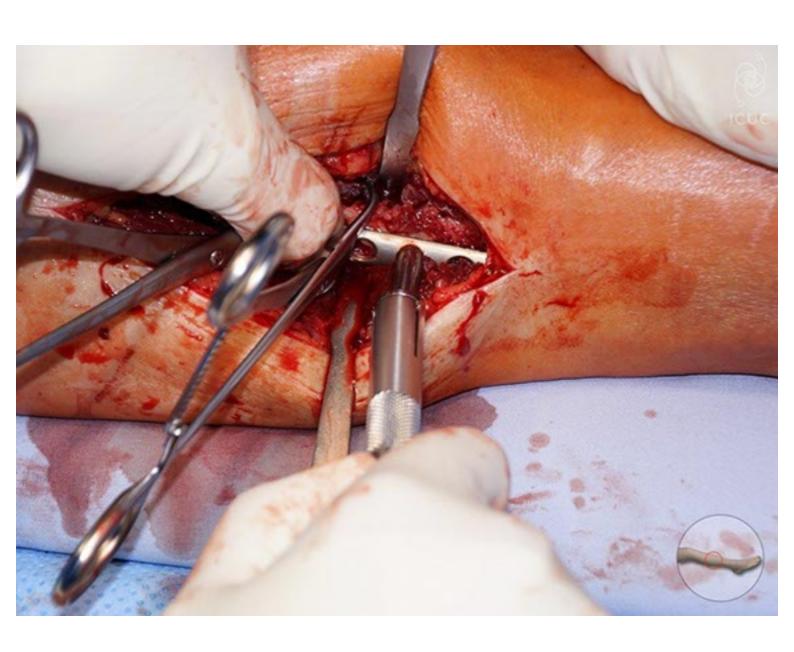


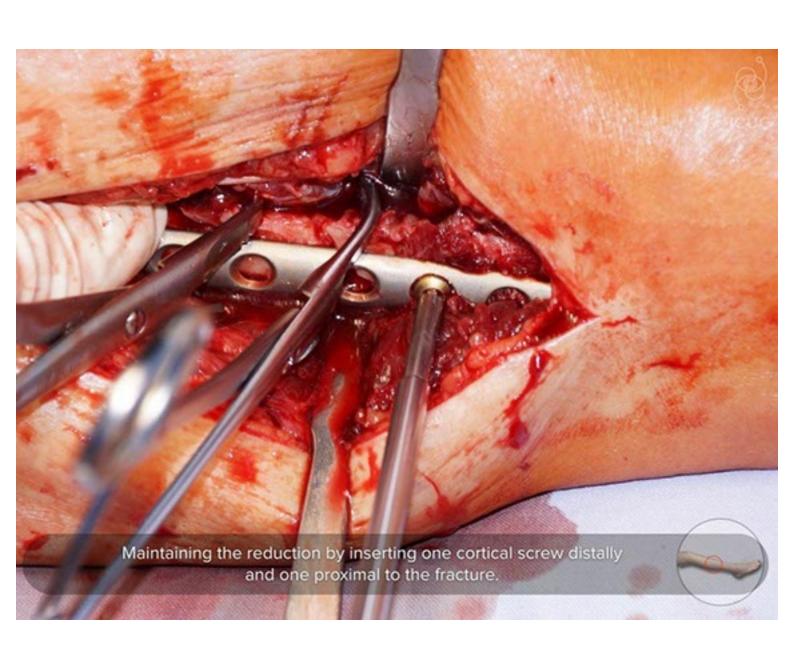


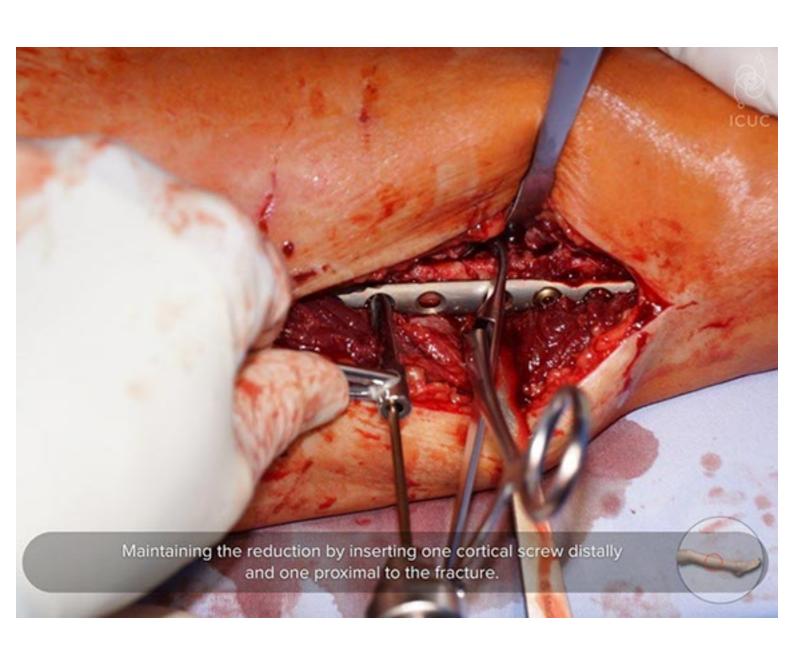


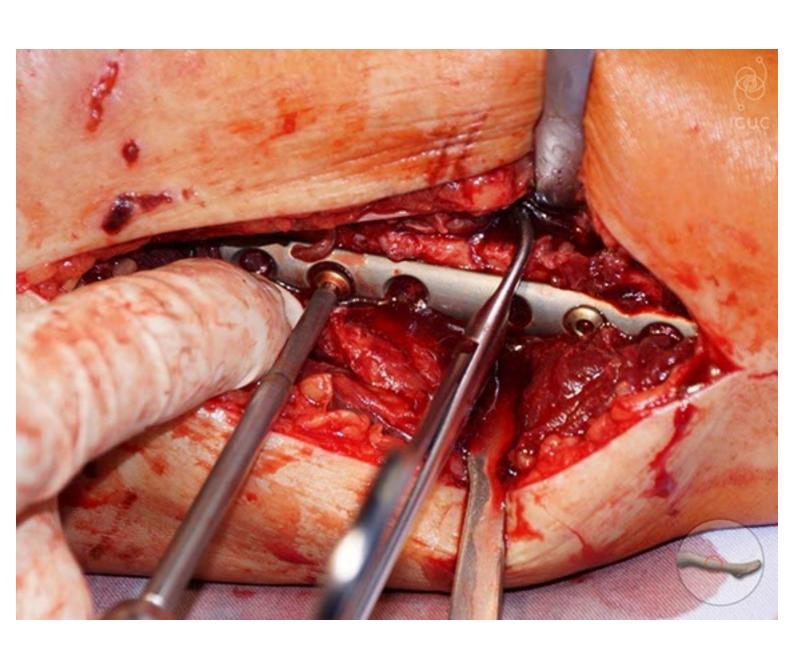


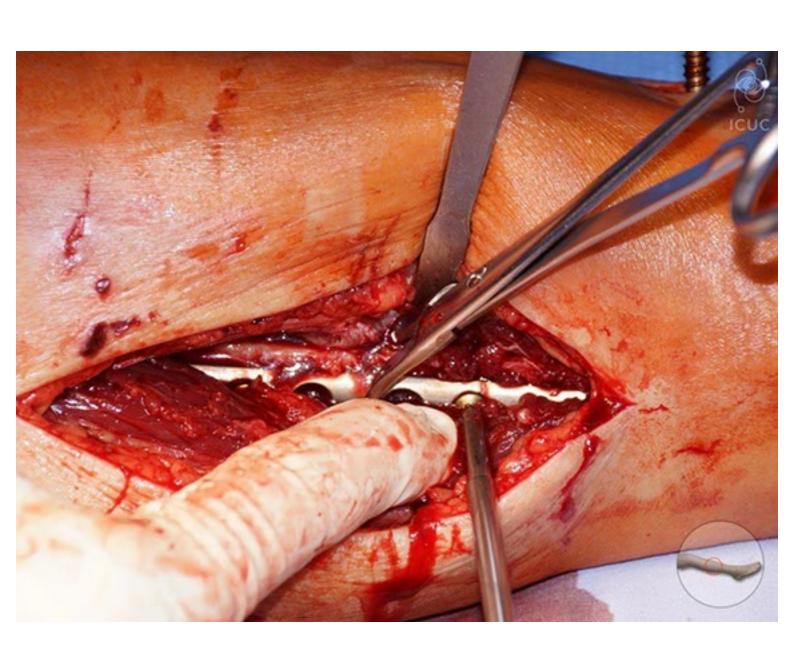




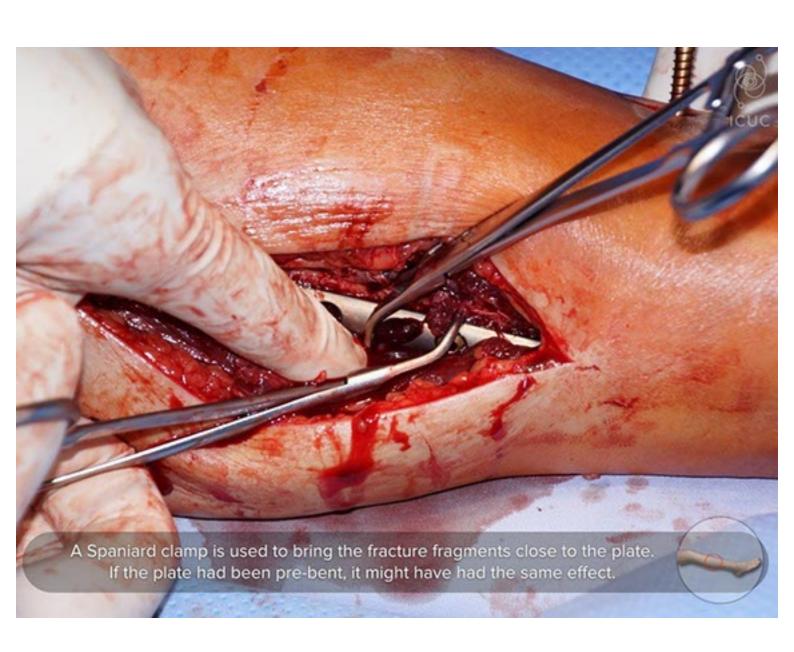


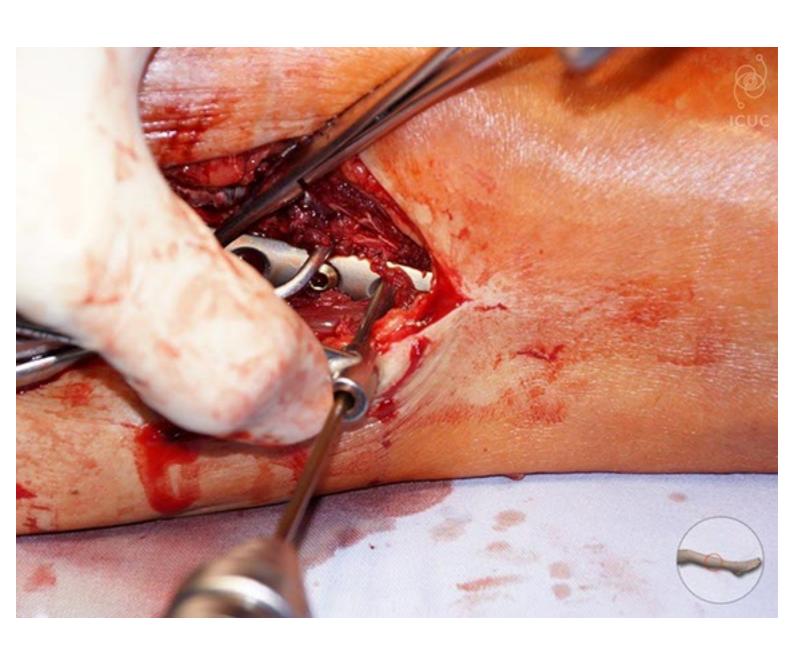


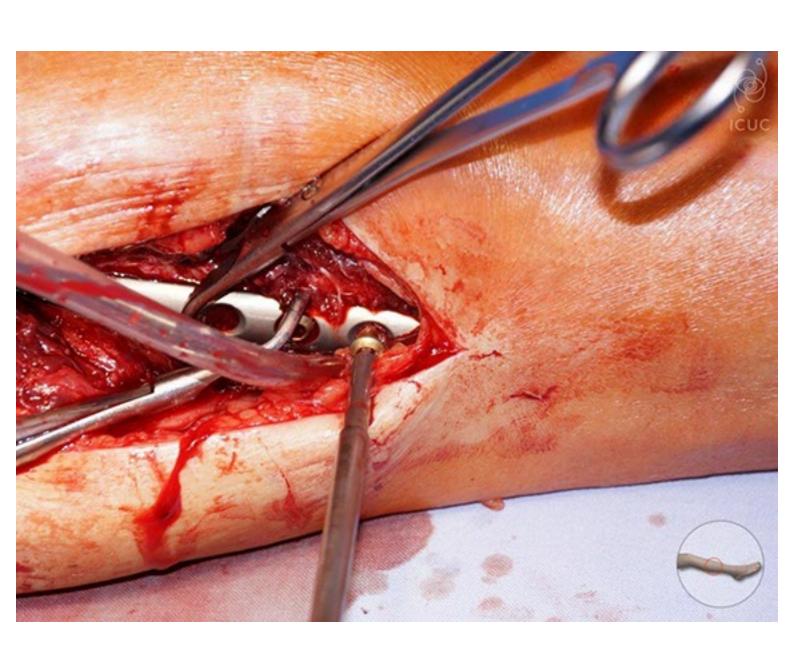


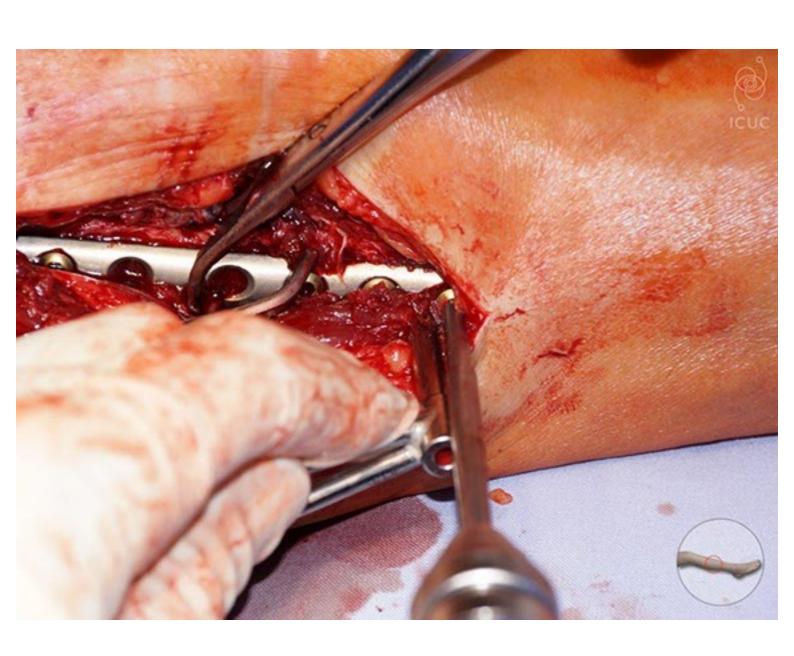


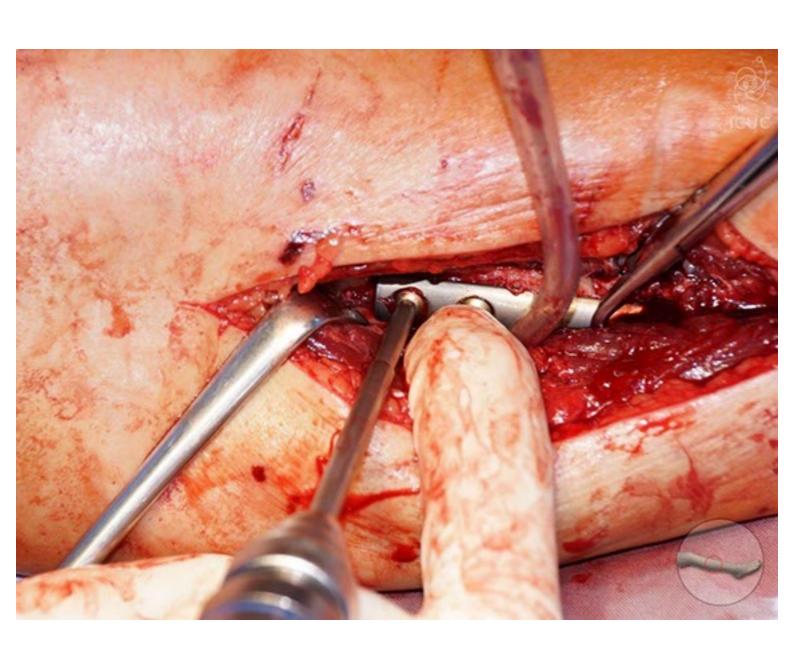


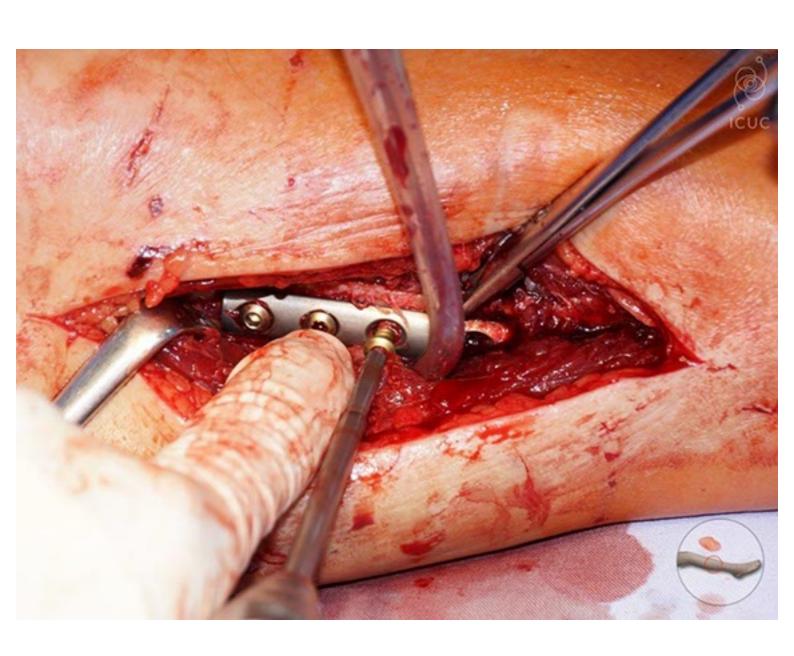


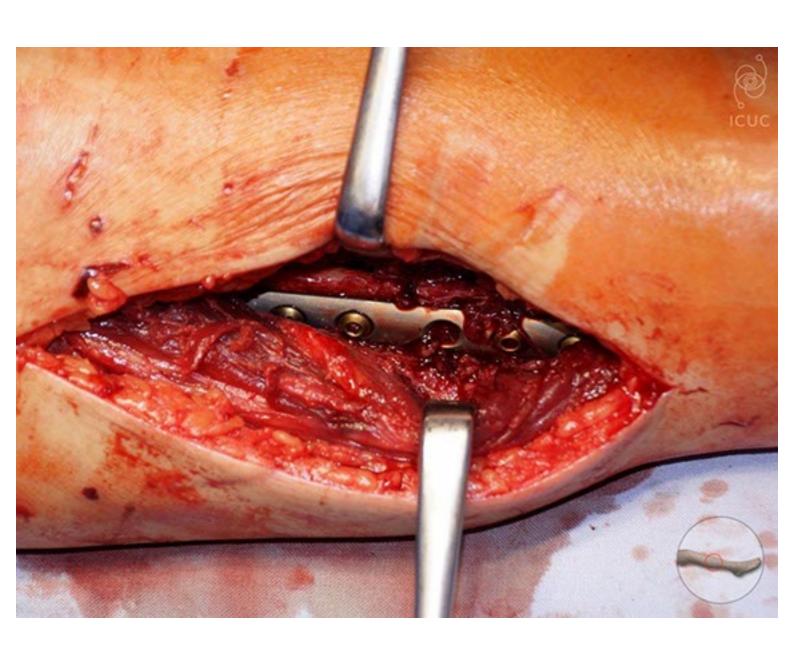












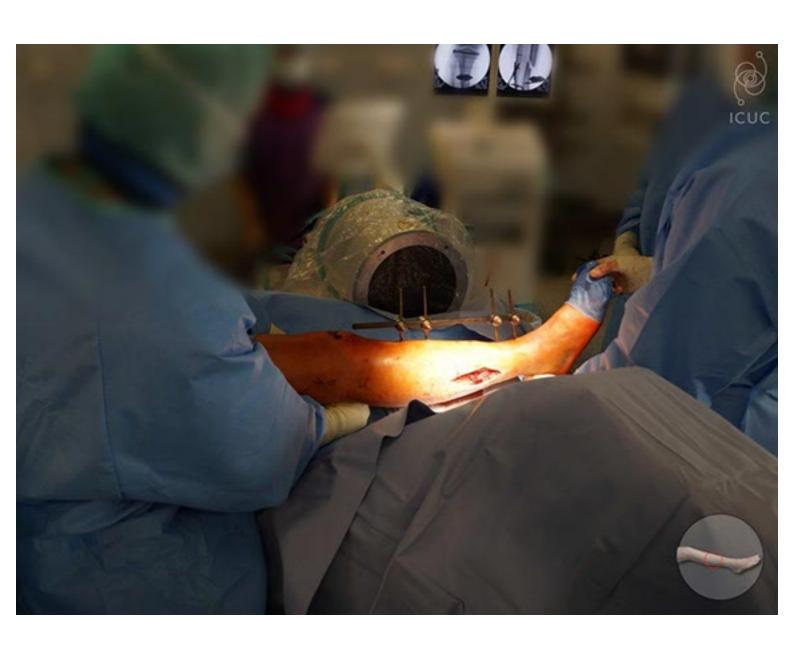




Fracture fixation is completed by insertion of three screws distally and three screws proximally. That is quite nice.

This reduction leaves a slight opening on the medial side.

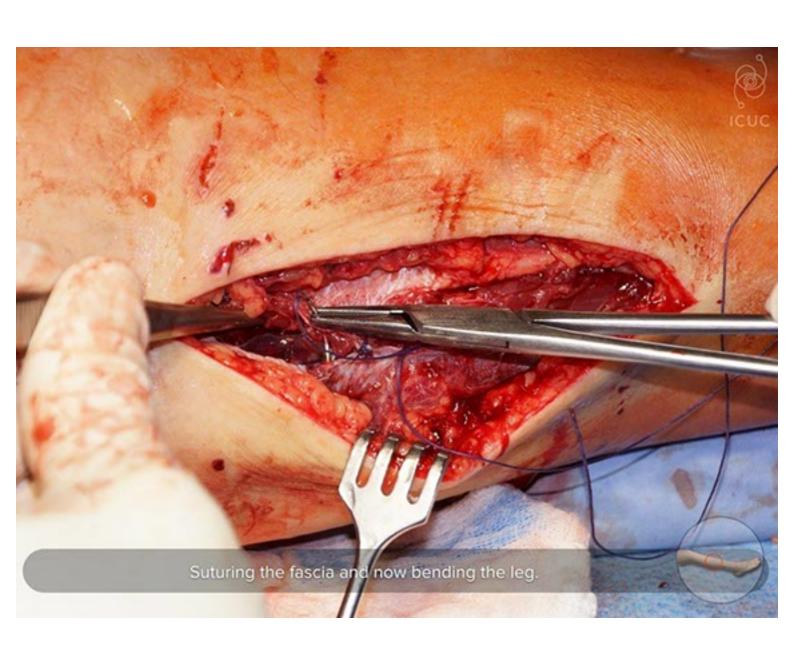
The fracture is not absolutely reduced. I do not know whether this is due to distraction at the level of the external fixator, or whether it is slightly in valgus.

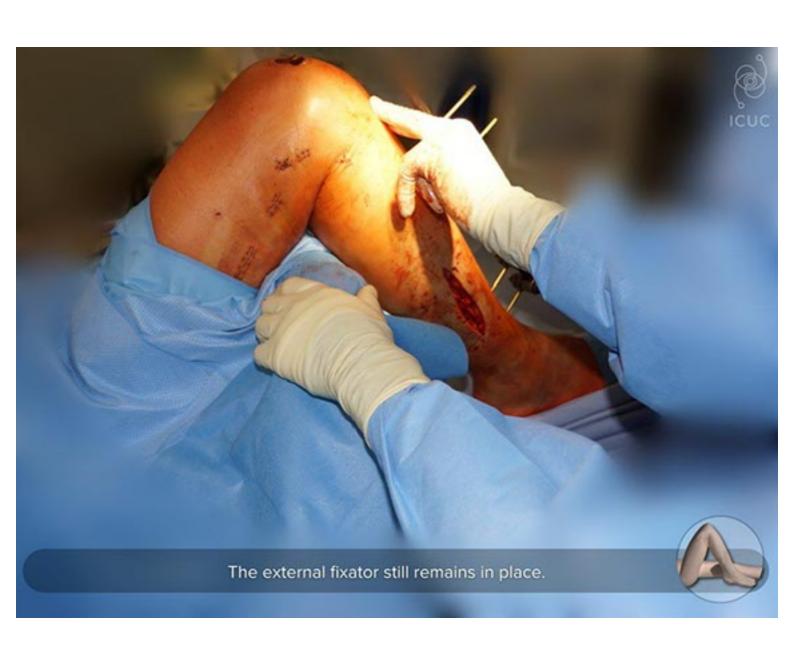








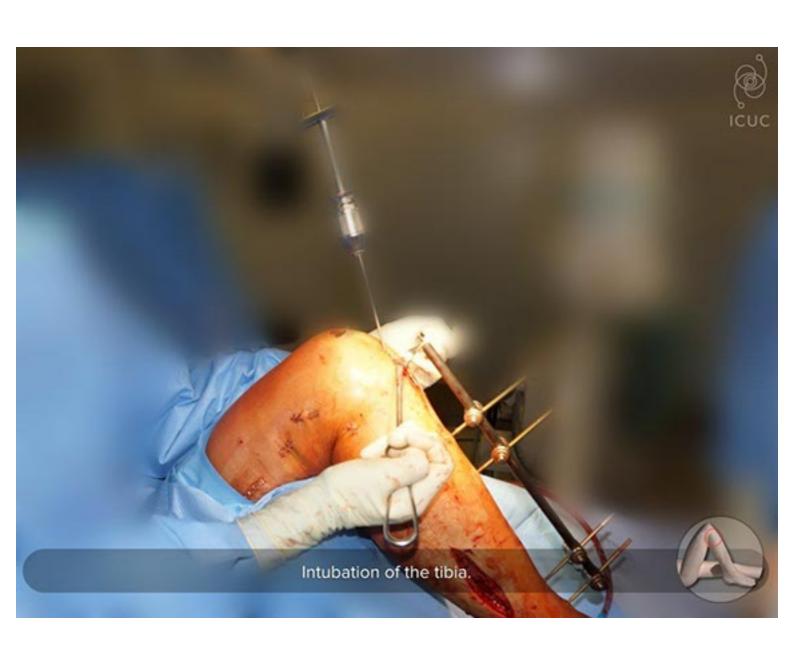


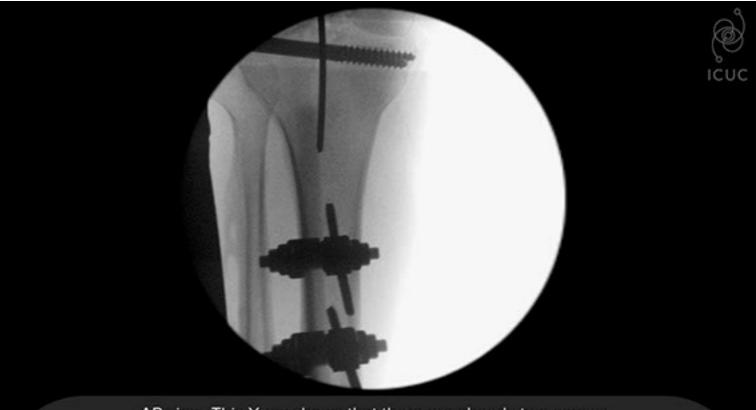












AP view. This X-ray shows that there are already two screws.

We do not see the knee joint in this patient. For the case to be self-explanatory, we should also see the proximal part of the tibia on the X-ray.

This would have been important because later on avulsion of the biceps tendon occurs. There is a very proximal fracture as well, which is not visible on the X-ray.

X-ray imaging is not complete.

This case is not completely clear; there is insufficient documentation.





Hitting the posterior cortex with the guide pin is a very frequent problem, especially if you cannot bend the knee enough. Therefore, we normally use an external fixator frame to get a better bend. But the use of the arthroscopic leg holder is also a good option. The problem then is that you cannot compare with the other side. Usually when we nail, we drape both legs free, so that we can compare the rotation intraoperatively, especially when we do MIPO.

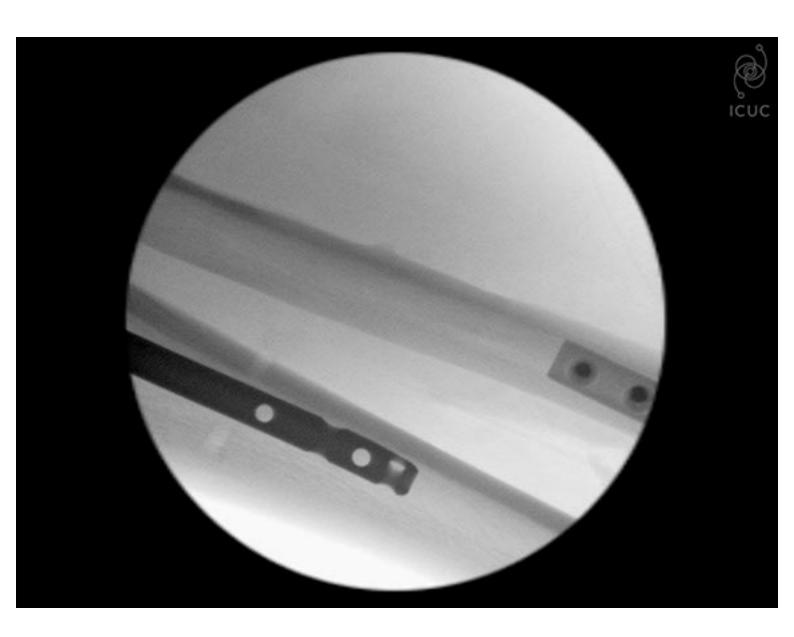




This is often a problem with this approach. Even when you think you are okay, you are not flat enough. They were, even though, happy trying to open it with the cheese cutter. I usually try to bring the guiding pin in a correct way, so that it goes into the medullary canal.

I do not use the cheese cutter in the wrong direction.





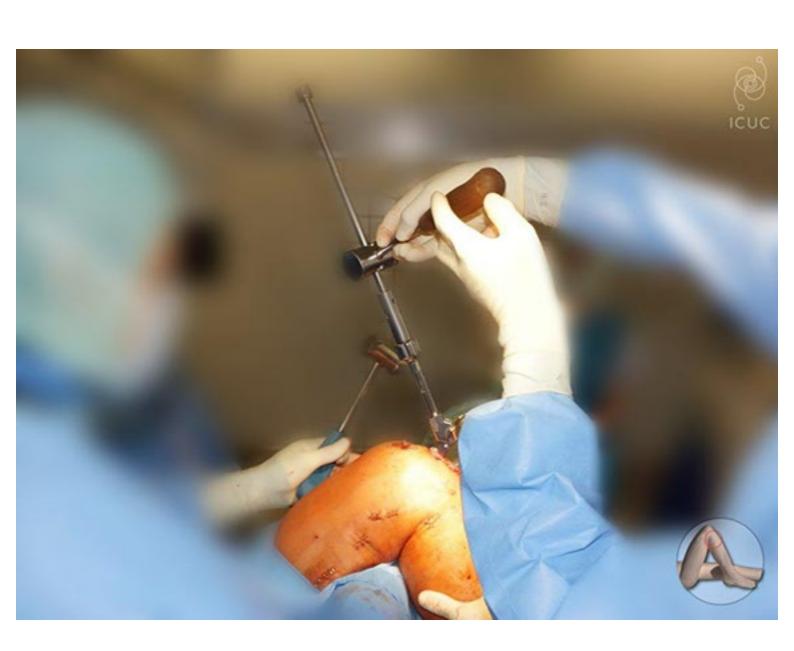




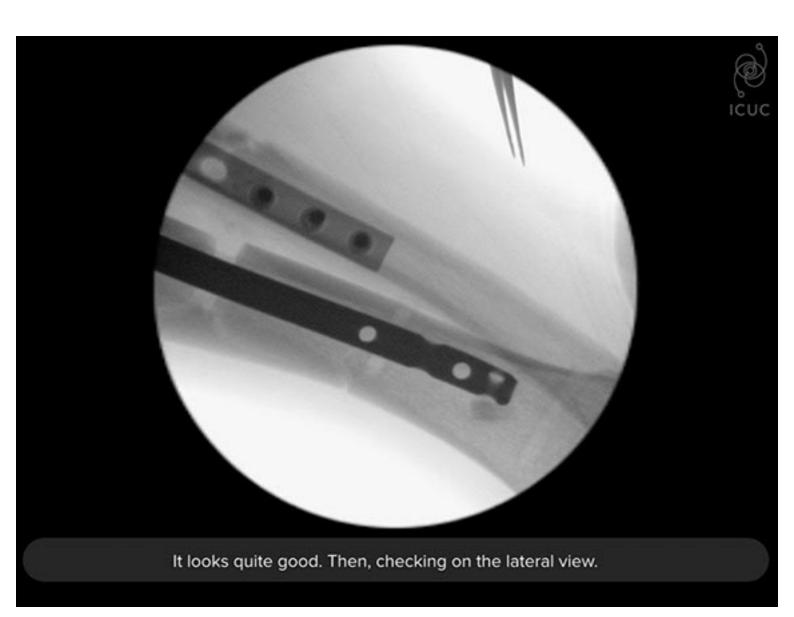


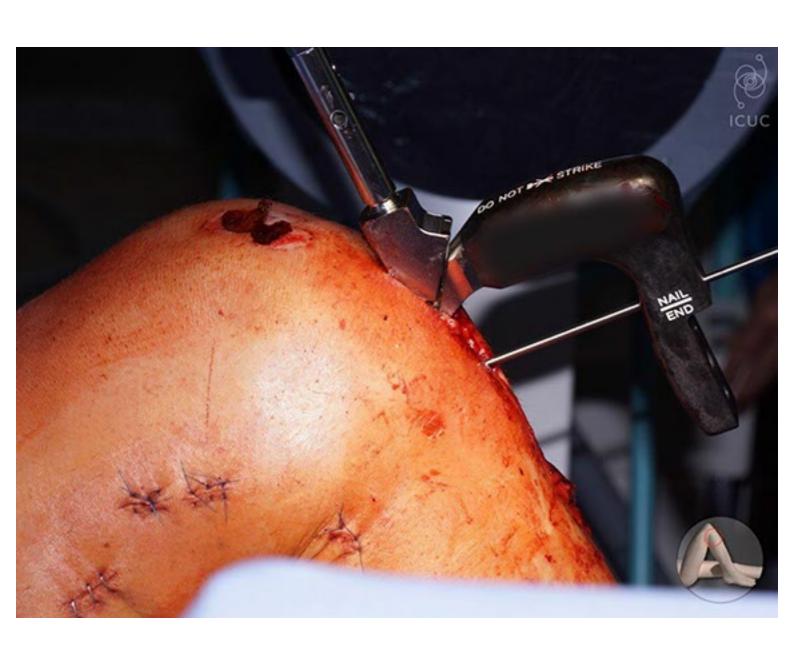








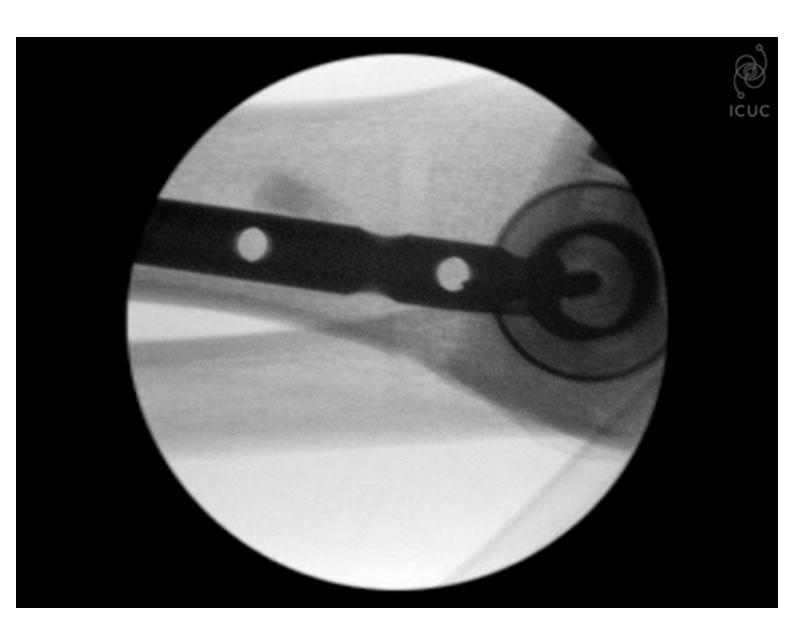






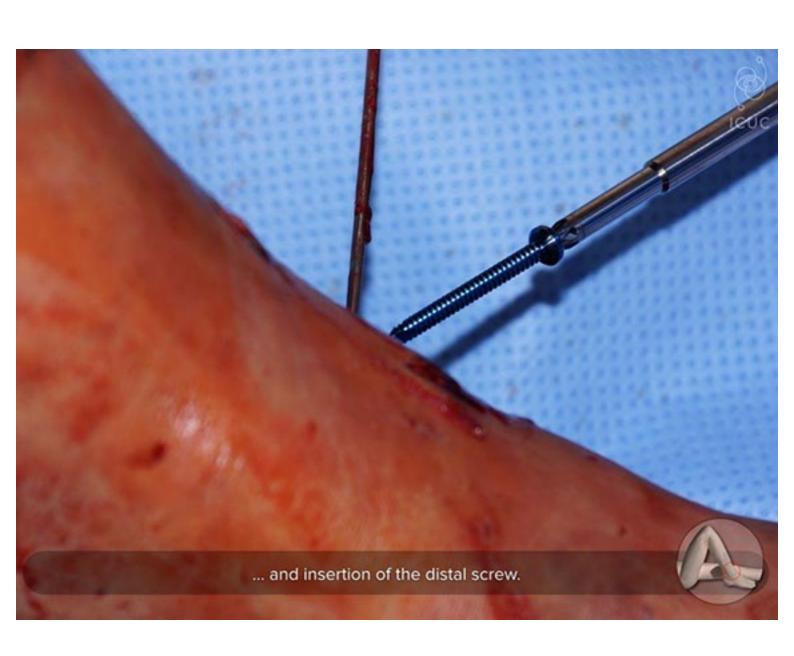


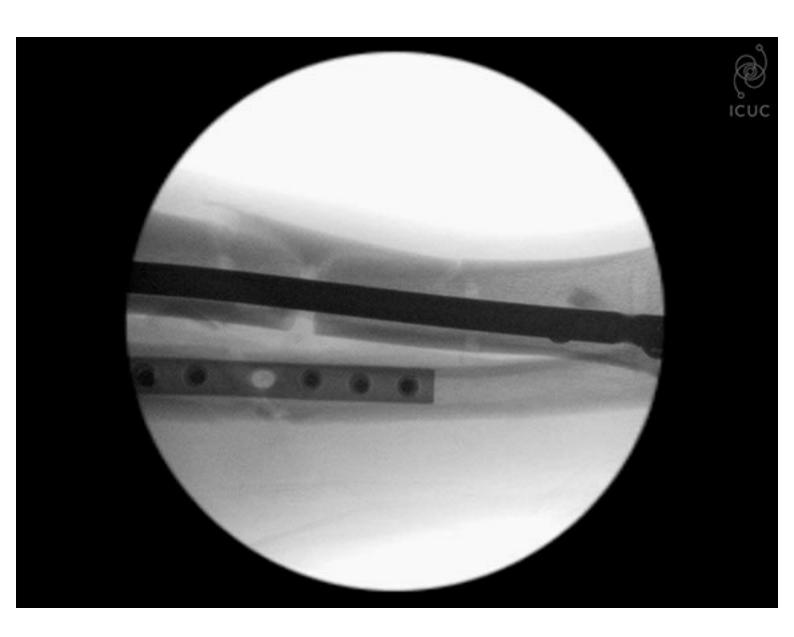
















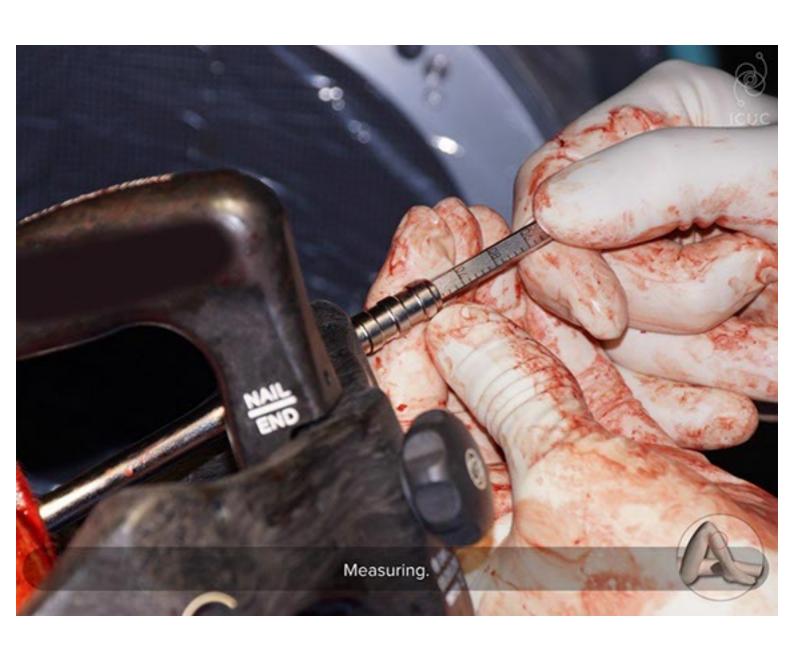


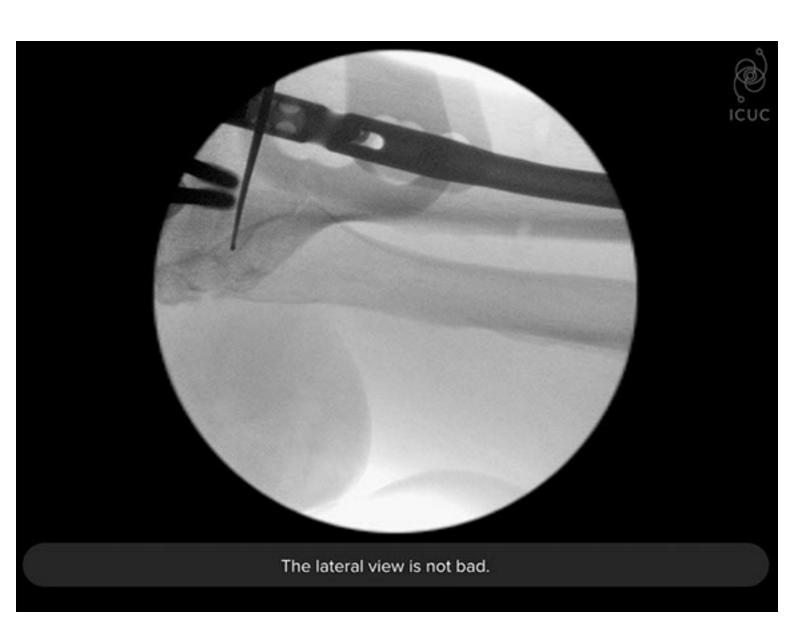


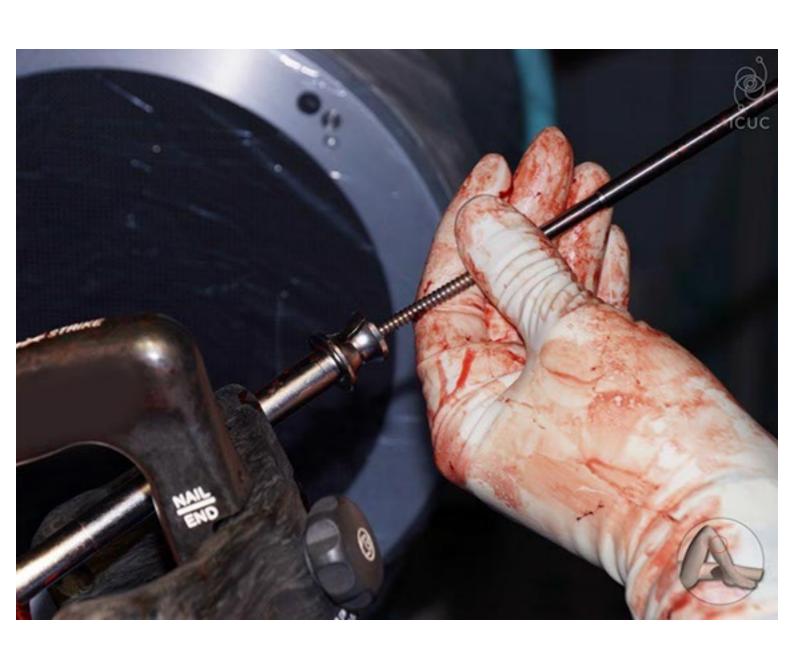










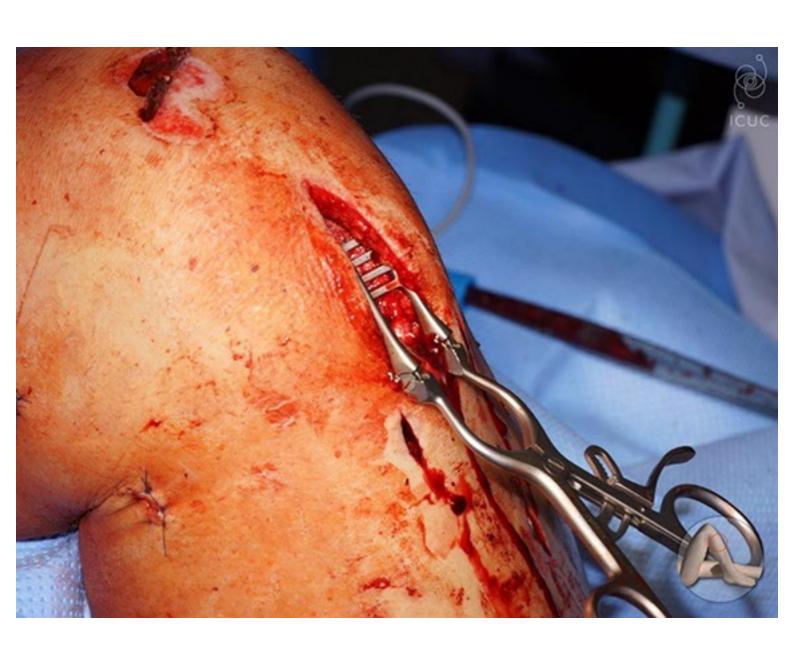










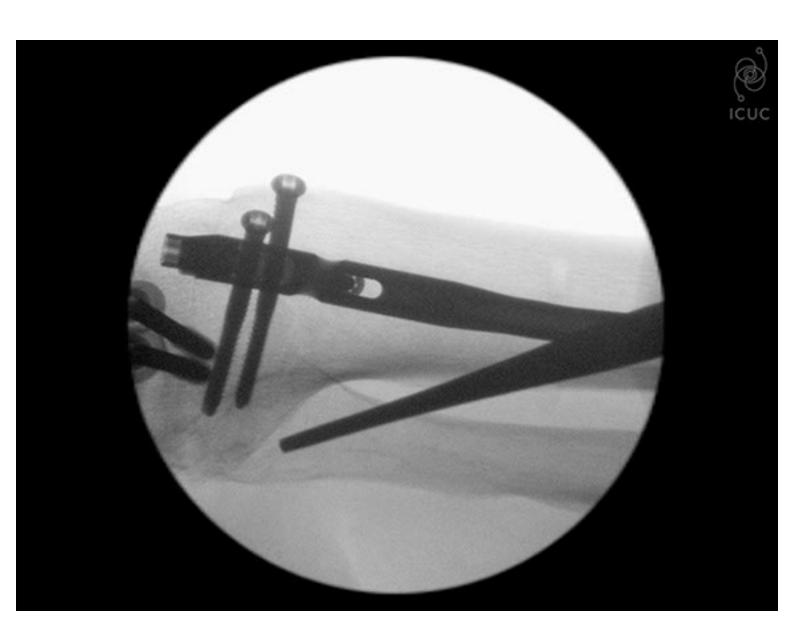
















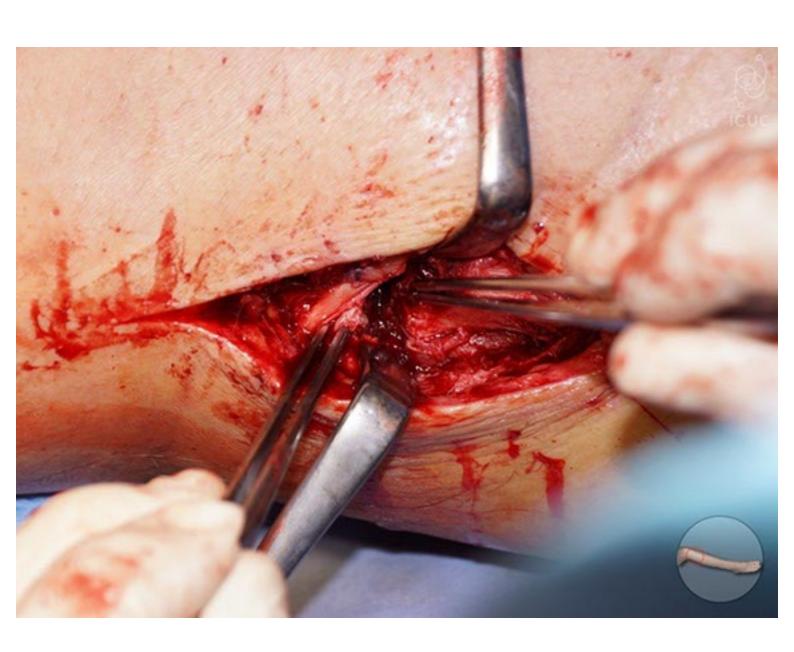












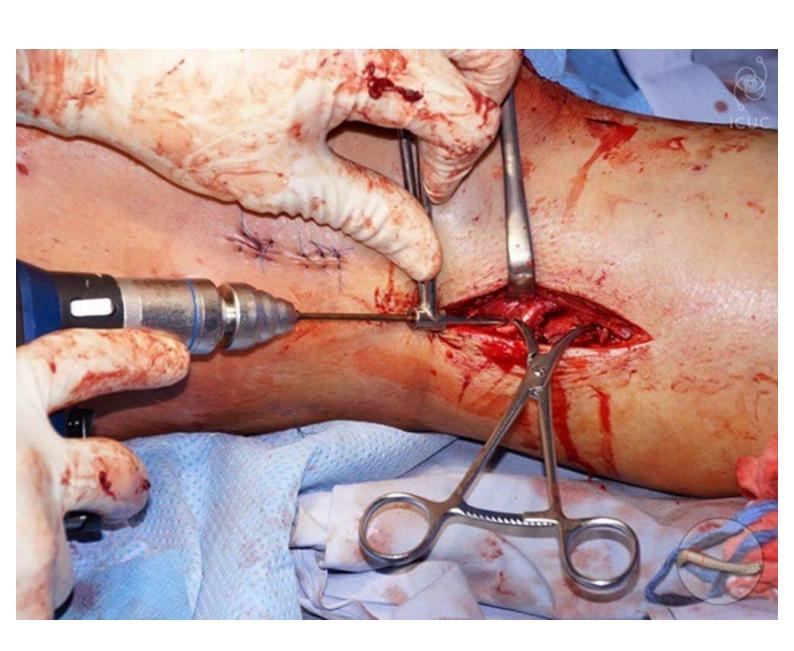


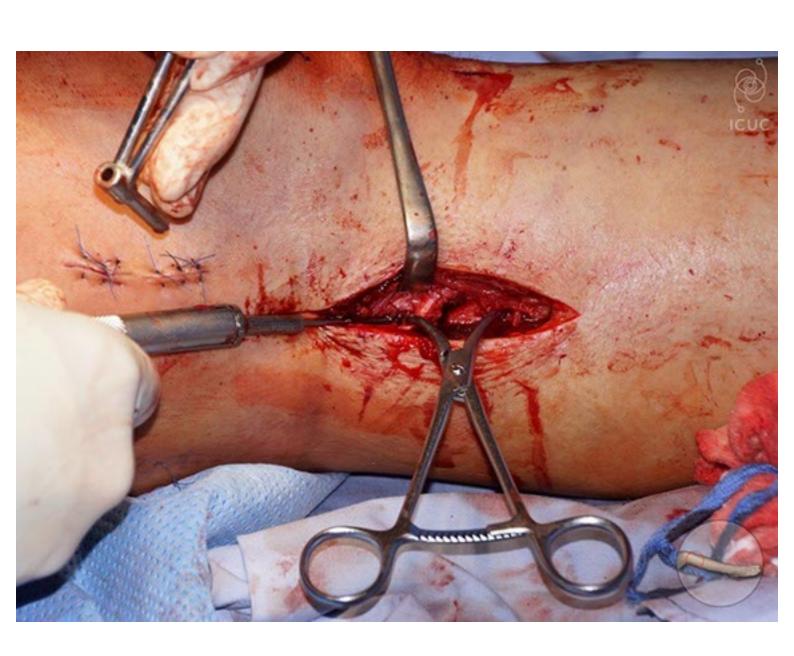




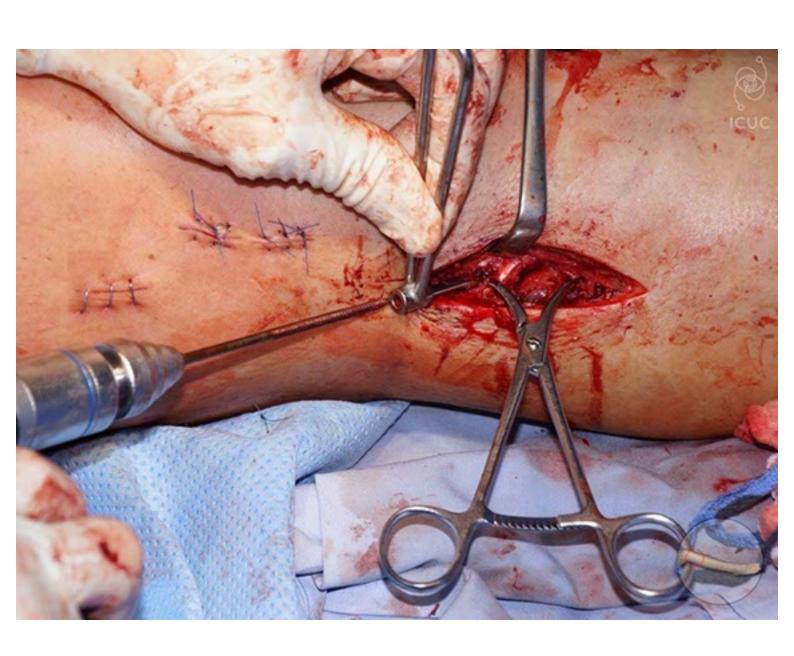


The clamp looks not so dangerous when you see it on the X-ray. You are away from the nerve.



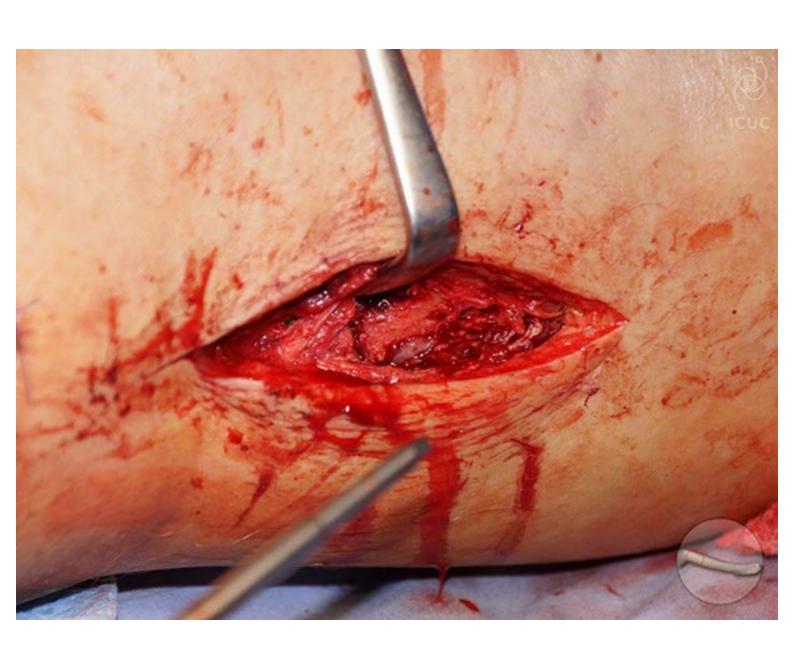












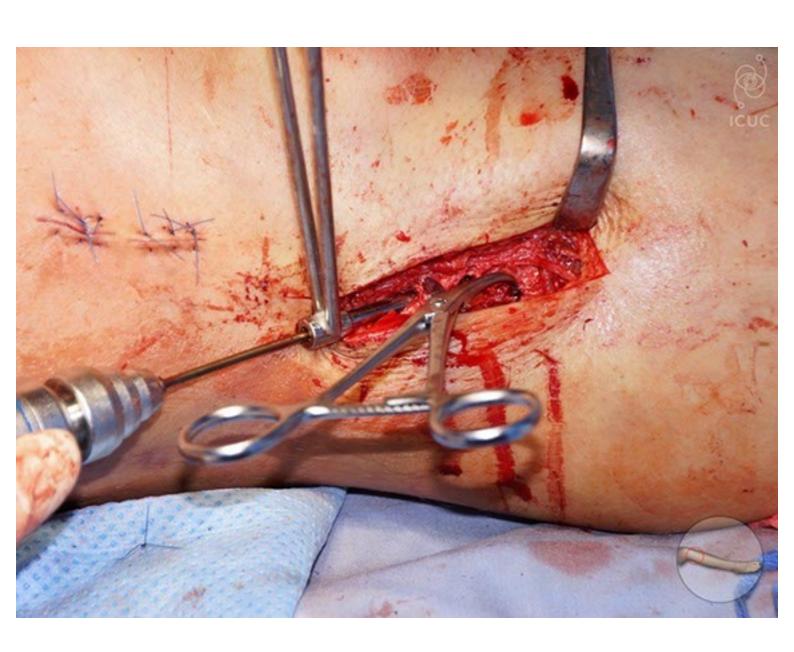


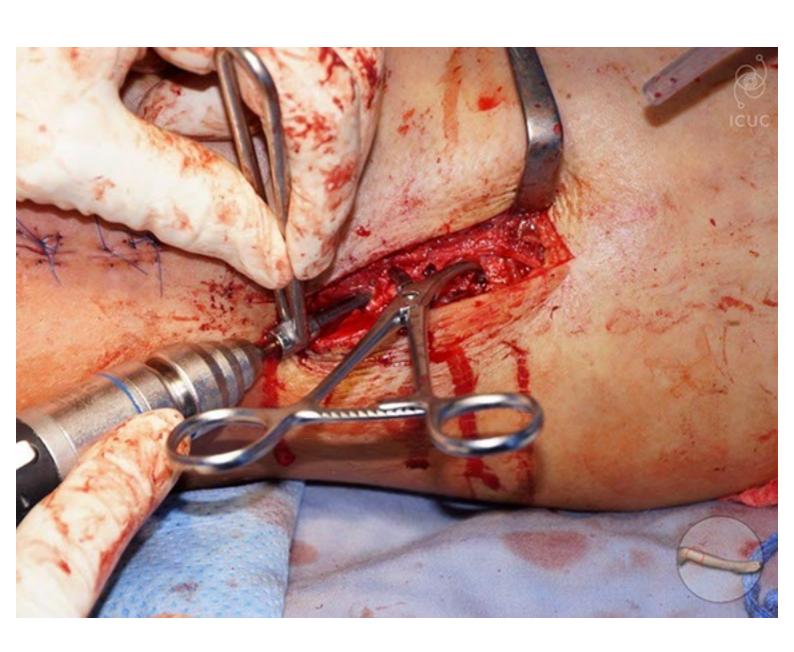




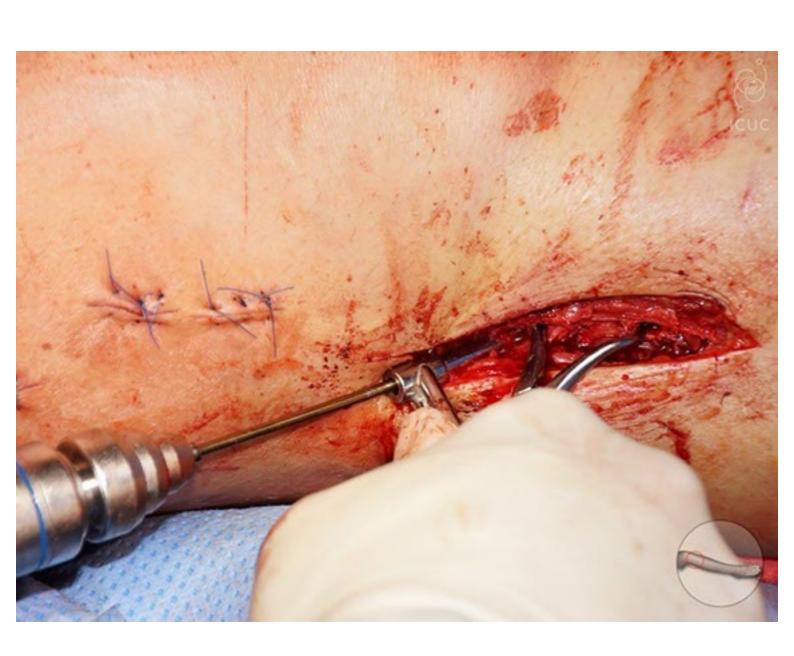


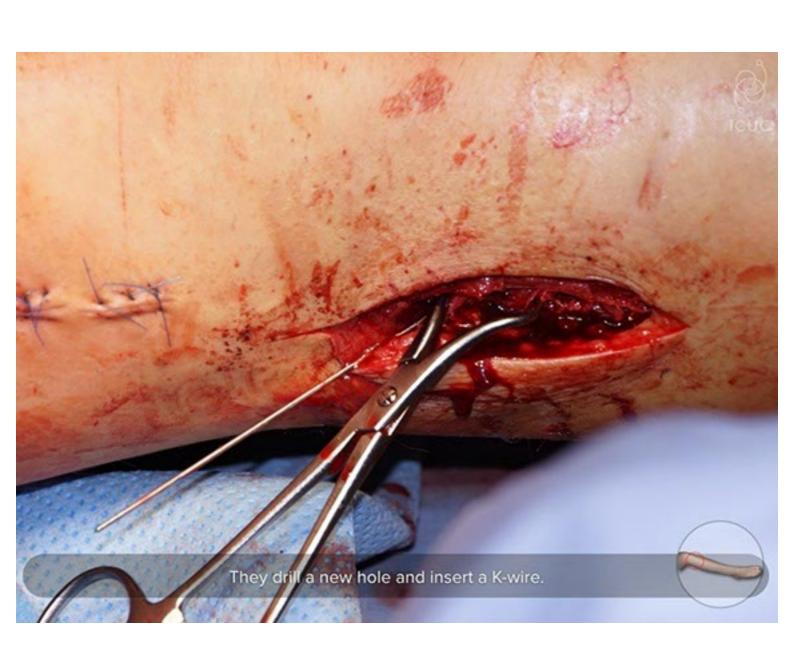


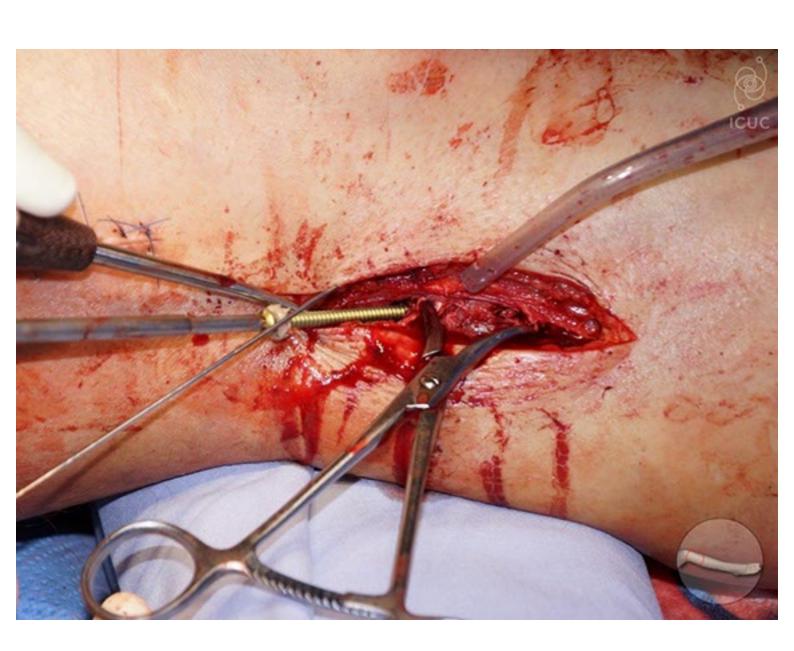
















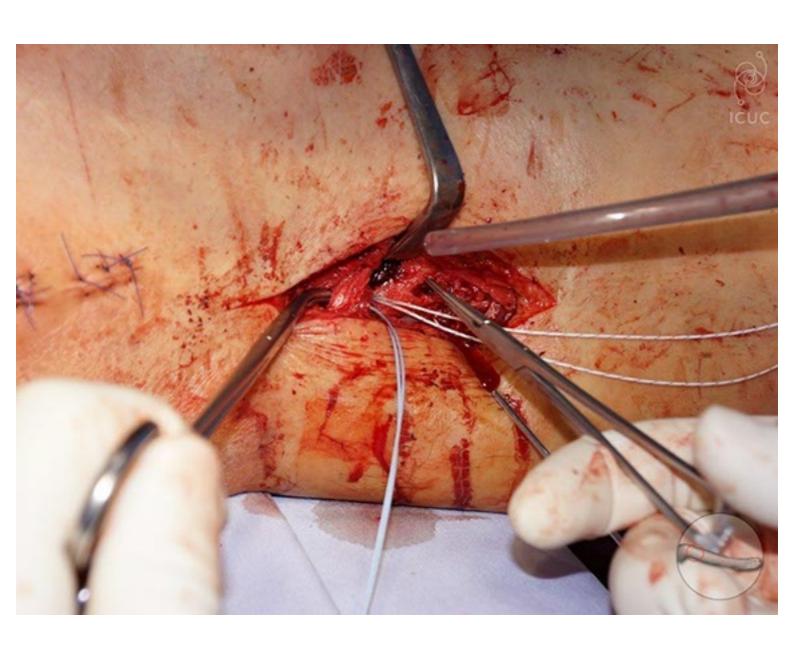


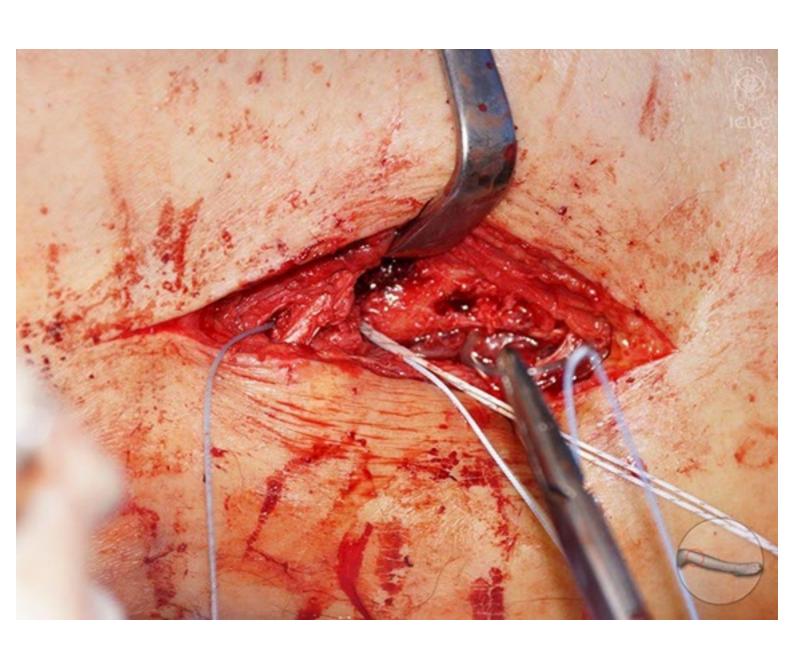


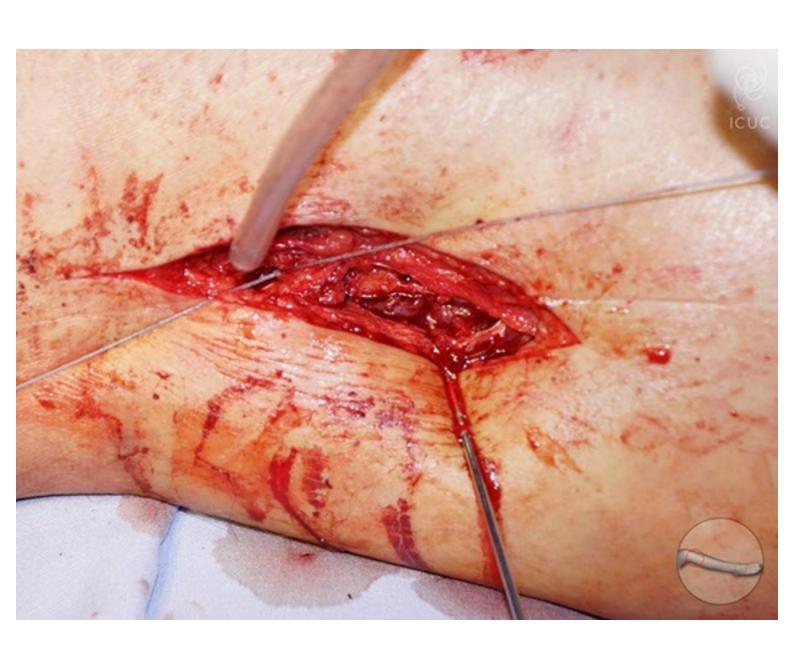








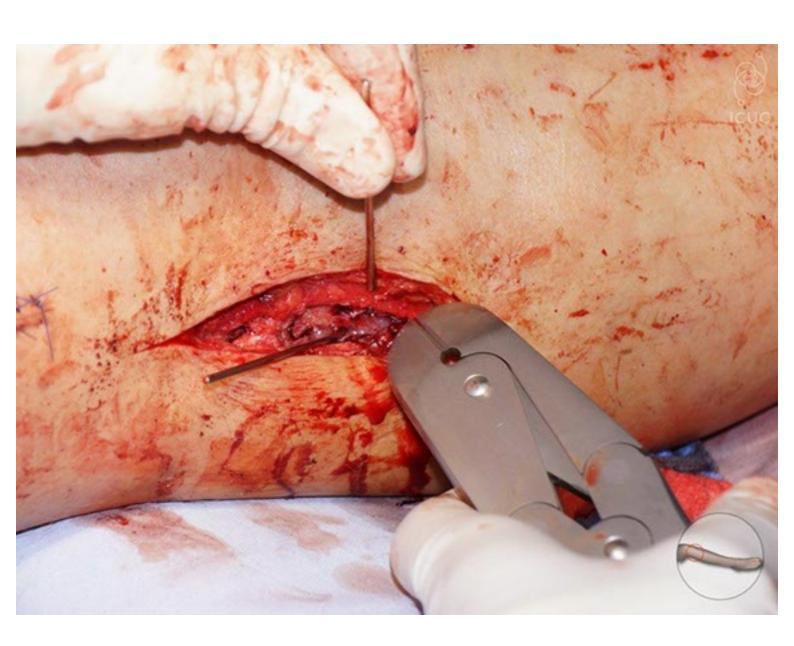


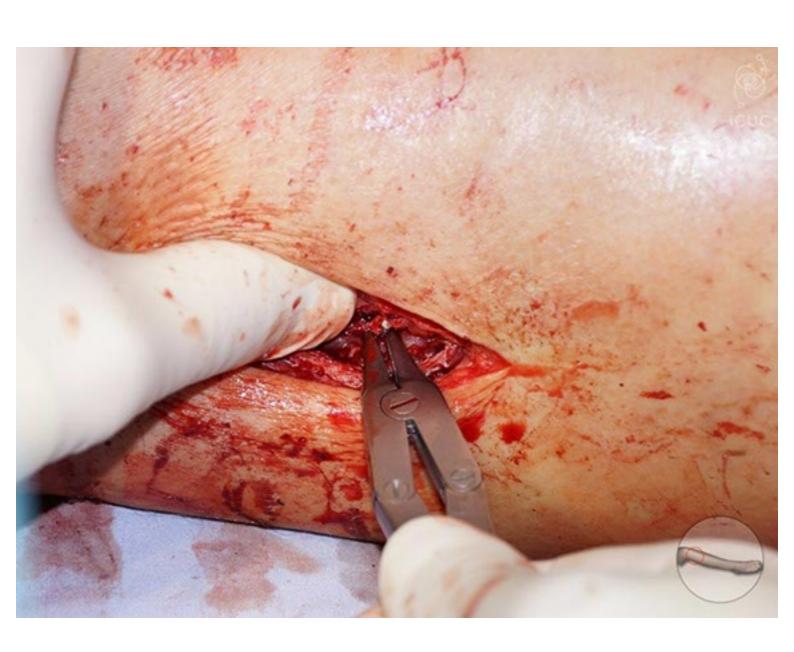




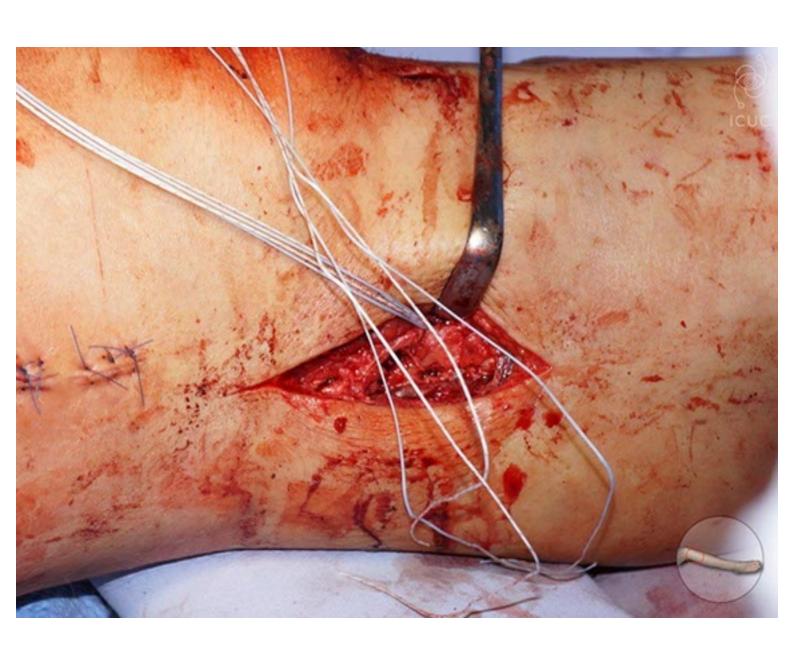








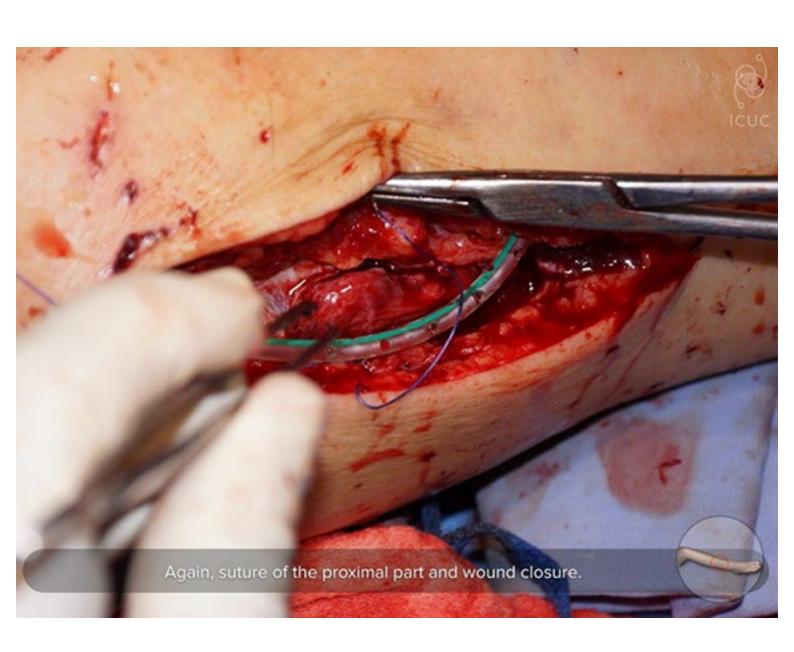




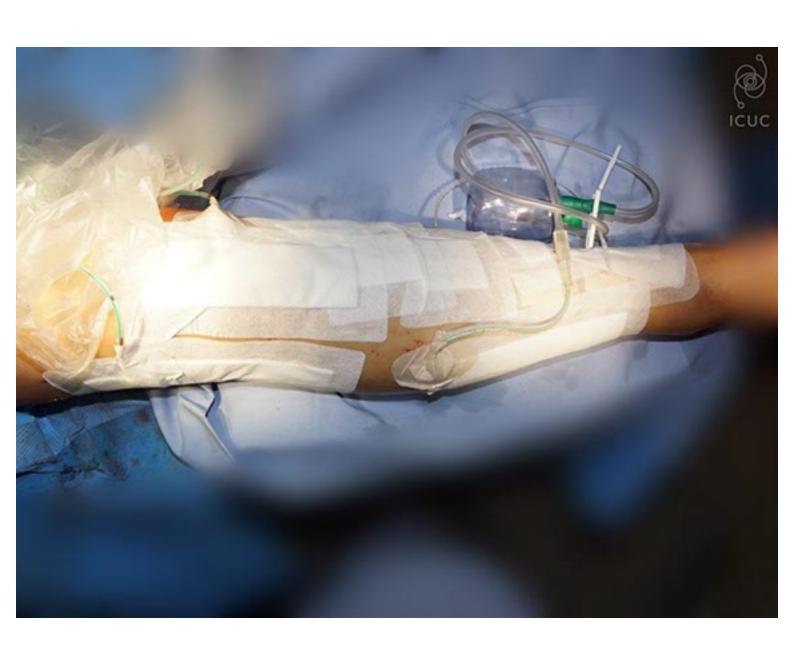


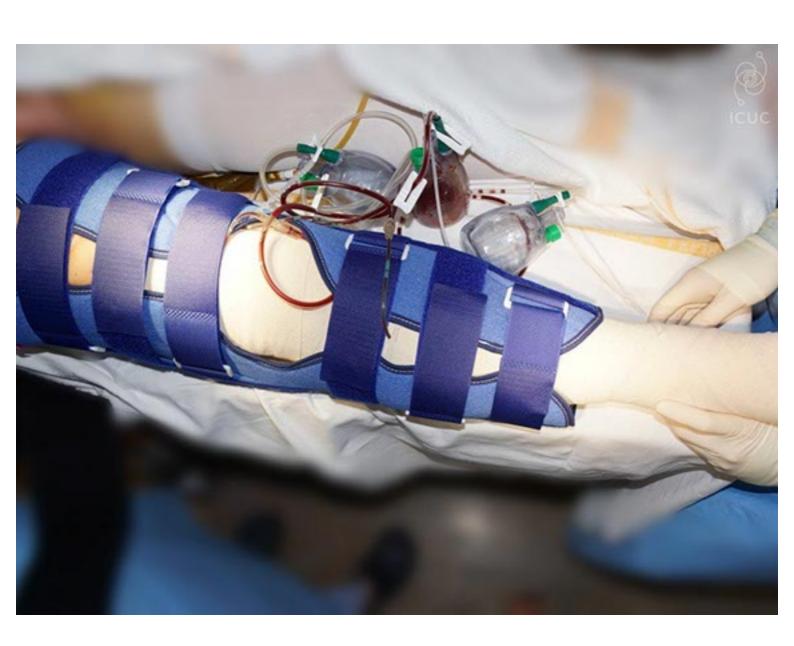














It has healed well in moderate valgus misalignment.

The fracture appears quite nicely aligned. There might be slight valgus in the distal part.

But these are not very good X-rays. We see a slight extension of the fibula.

One of the problems here is the distraction at the level of the fracture.

So, it looks as if the whole thing is in a slightly valgus position.



Ow after 3rd surgery | Iw after 1st surgery

About the gap... I think the valgus is not very prominent but it could have been prevented ICUC if the fibula had not been fixed in slight valgus.

We have distraction at the level of the fracture. Therefore, in this fracture, if you are using a nail, it is not necessary to plate the fibula. But, if you use a plate, the stabilized fibula will help you achieve reduction. In this case, fibula plating is not absolutely necessary. When plating the fibula, extension is often a problem.

I think this indication is good for a nail. I do not think fixation of the fibula is indicated if nailing is the procedure of choice. The technical implementation of nailing is fine but I would not have used a cheese cutter before I had had the aiming wire properly inserted into the medullary canal.

In the end, we have slight valgus so reduction is not perfect.











