

8. MEDICAL REPORT

Danylo *13.04.2003

The 17 years old boy suffered from osteosarcoma (ED 2013) of the left distal femur. En-bloc-resection and chemotherapy was done in Ukraine. 2017 the initial prosthesis was replaced by a MUTARS growing prosthesis (Xpand). Due to an infection and a fistula close to the knee joint the patient had a first appointment in the ZEM-Germany July 2, 2018. Pain was mostly in the left thigh on the lateral side. The left knee joint was stiff, all other joints were normal.

The initial geometrical values measured from special radiography in bi-pedal stance showed the following values:

	right	left
Femur	509 mm	486 mm
Tibia	408 mm	355 mm
Pelvis balanced		+95 mm
Mech. Axis at the knee joint	18mm medial	

The bacteriological screening showed a sensitive staphylococcus aureus.

The following treatment plan was established:

1. Infect eradication and stabilization of the leg with a custom made implant. Lengthening of the remaining (very) short part of the left femur with a fully implantable lengthening nail (FITBONE® SAA) to get a sufficient bone stock for later tumor endoprosthesis or arthrodesis nail.
2. Lengthening of the left tibia with a fully implantable lengthening nail (FITBONE).
3. Preparation of femur for final stem implantation. Implantation of 2 soft tissue expanders to create space for tumor endoprosthesis.
4. Final implantation of tumor prosthesis if no infection will be recurrent and bone regeneration of the proximal femur will be sufficient.

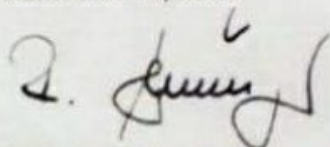
Meanwhile steps 1 to 3 were completed successfully. Last examination in the ZEM-Germany showed nearly equal leg length (remaining difference 2cm), a good bone regenerate of the tibia and an improvement of the bone regenerate at the femur.

The final surgical step (4) is planned end of January 2021.

To finalize the treatment the deposit must be filled up with 42.000 € to the following bank account:

ZEM-Germany
DE29 3006 0601 0407 7196 39
Deutsche Apotheker- und Ärztebank, Munich
BIC DAAEDEDXXX

November 16, 2020



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