

Results of ankle prosthesis in patients with severe haemophilic arthropathy – follow up

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INTRODUCTION

Arthrodesis is predominantly used in cases of haemophilic arthropathy of the ankle joint. The prosthetic replacement surgery can offer a new therapeutic option for ankle arthropathy, and is a well established operation in patients with rheumatoid arthritis and in post traumatic arthritis. Few cases are published about ankle replacement in haemophilic arthropathy.

The aim was to evaluate the efficacy of ankle prosthesis in patients with severe haemophilic arthropathy.

PATIENTS AND METHODS

5 patients with haemophilia A and 1 female with von Willebrand disease type 3 (vWD) showed an advanced state of joint destruction of the ankle evaluated by MRI/ X-rays. The presence of severe pain, radiological joint damage (MRI score/ Pettersson score) and a sufficient residual condition of mobility were the main indications for ankle replacement therapy. Surgical interventions were performed under FVIII or FVIII/VWF replacement therapy and the daily monitoring of the substitution.

RESULTS

No complications (infection, intra articular ankle bleeding) and side effects were documented in any patient. Typical lymphatic oedema was resolved after 6 months.

Three years after ankle replacement, the patient with vWD required revision surgery due to a progressive decrease in mobility.

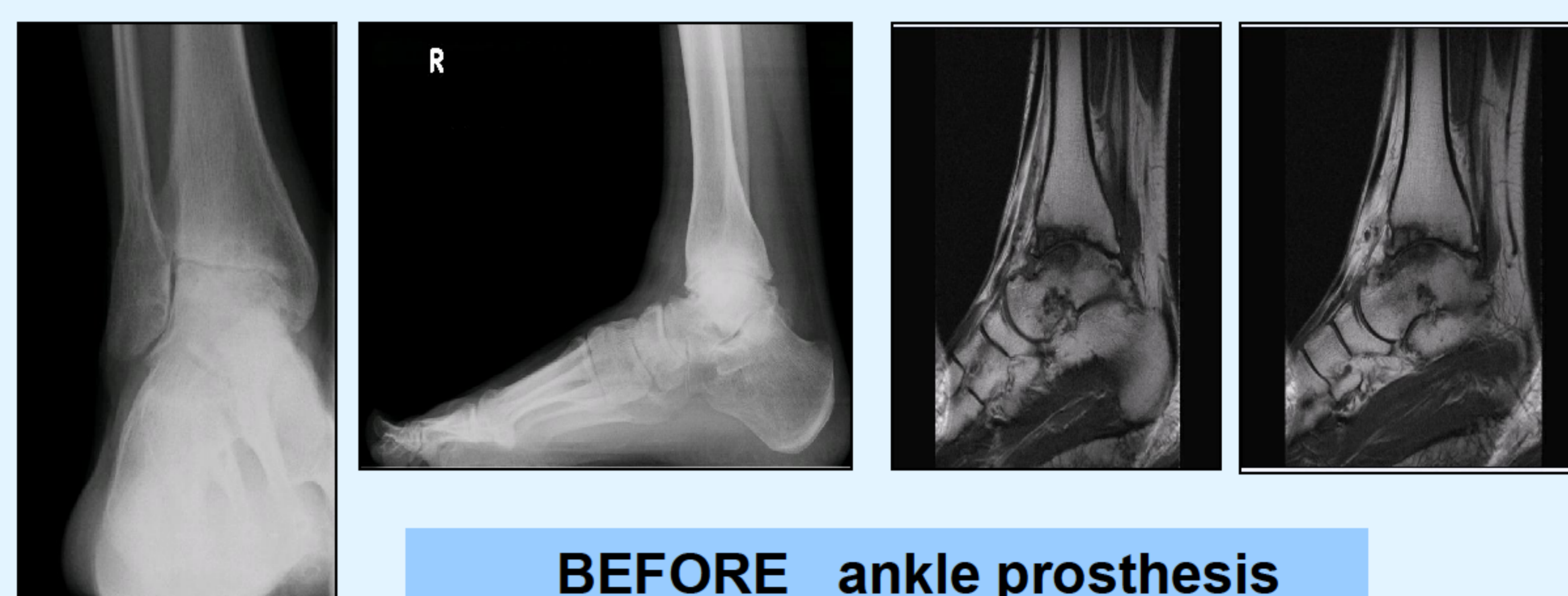
After a median follow-up of 2 – 5.5 years all prostheses were still in place and did not show any signs of loosening. Clinical scores showed a good (n=2) to excellent (n=4) result in the patients.

CONCLUSION

- The ankle prosthetic replacement surgery represents a therapeutic option in patients with haemophilic arthropathy.
- Prospective studies are needed to confirm the efficacy of ankle replacement compared with that of ankle fusion.

CHARACTERISTICS

patients		age [years]	F:VIII activity [%]
1 #	severe haemophilia A	30	< 1
2 #	severe haemophilia A	31	< 1
3 #	severe haemophilia A	32	< 1
4 #	severe haemophilia A	38	< 1
5 #	mild haemophilia A	44	~ 40
6 #	Von Willebrand syndrome type 3	45	vWF:RCo < 14



BEFORE ankle prosthesis



2 months

5 years

AFTER ankle prosthesis

