



Nine years experience of total knee arthroplasty.

I. Zazirnyi, V.Evsyeyenko, W.Orljanski, R.Schabus

Hospital "Feofania", Kiev, Ukraine. Wiener Privatklinik, Wien, Austria.

Introduction: The 9-year experience of total knee arthroplasty (TKA) is given here.

Materials and methods: TKA was carried out in the case of 345 patients with knee osteoarthritis III and of 15 patients with osteoarthritis II. The following models of knee implants were used: "Aesculap MUL-II"(2), "Richards Trigon-C" (17), "Richards – Genesis-I"(34), "Richards – Genesis-2" (45), "Zimmer MG II" (14), "Zimmer I B II"(2), "Zimmer Nex Gen CR" (148), "Zimmer Nex Gen LPS" (79), "De Puy Sigma» (2), Biomet AGG (1), Stryker Scorpio (1). The surgery for those patients, who had knee osteoarthritis II, was carried out in the cases of both axis deformity and knee instability contemporarily.

Results: The results of the total knee arthroplasty are evaluated in the period of 1-9 years. The average range of movements before the surgery was 75° , and after the surgery - 110° . In all the cases the range of movements increased after the surgery. The postoperative checkup showed the following results: 54,9 % of patients had excellent results, 35,2 % - good, 6,4 % - satisfactory, 3,5% - unsatisfactory.

Conclusion: TKA is an effective method of treatment in the case of knee osteoarthritis III, which surpasses fusion and biological arthroplasty. The orthopedic surgeon must choose the best model among several of them to fit the specific patient. Several models must be available in the clinic, which is engaged into this program.