RESULTS OF TOTAL KNEE ARTHROPLASTY UTILIZING POST OPERATIVE FUNCTION EVALUATION LIKE RSA OR GATE ANALYSIS

Aim

Clinical, functional and imaging evaluation of patient implanted with knee prosthesis at the 2nd Clinic of Istituto Ortopedico Rizzoli. The Aim of the project is to perform a functional evaluation of the outcome, i.e. kinematic evaluation of prosthesis using inertial and proprioceptive systems to evaluate patients’ responses to this implant and its efficacy. Participation to the overall coordination of a prospective study, and to the interpretation of the results in light of the current literature.

Study Plan

Evaluation of functional status after total knee arthroplasty.

Evaluation of clinical results at follow-up.

Evaluation of functional recovery utilizing RSA proprioceptive and gate analysis of the data.

Together with clinicians and engineers, data will be analyzed and interpreted in light of the current available literature.