



RESEARCH TOPIC MEM24

Restoring the lower limb native alignment and the influence of the patello-femoral kinematics of a 3D-printed patient-specific total knee arthroplasty (TKA). Interventistic, prospective study and cost-effectiveness analysis
Curriculum MEM Clinical

Clinical Unit name and address

Centre for the articular reconstruction of the knee - IRCCS Humanitas Research Hospital

Laboratory name

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Abstract

The medical device studied is a personalized primary TKA designed to reproduce the native morphology of the patient's knee through a pre-operative anonymous TC planning.

Main technical approaches

Specific skills regarding clinical study management and new technologies introduced in the investigation.

Scientific references

- 1)Schwarzkopf R Orthop J Sport Med, 2015; vol. 3, no.7
- 2)Goldberg TD J Arthroplasty, 2019; vol.34, no. 9, pp.1876-1883.e2
- 3)Buch R Reconstr Rev, 2019; vol. 9, no. 1, pp. 11-16
- 4)Lee DK KSSTA 2017; Dec; 25(12) pp. 3800-3807
- 5)Inacio MCS S. Osteoarthritis and Cartilage, 2017; vol. 25, no. 11, pp. 1797-1803

Type of contract

Contract for continuative and coordinated service of at least € 26.000 activated Istituto Clinico Humanitas. This sum is subject to IRPEF income tax.



Contratto collaborazione coordinata e continuativa (cococo) pari ad almeno € 26.000 annui lordi attivato da Istituto Clinico Humanitas. Importo soggetto a tassazione IRPEF.

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