

Perbandingan luaran fungsional Total Knee Replacement Protesis  
Cruciate Retaining dan Cruciate Substituting di RS Cipto  
Mangunkusumo periode Januari 2011-Februari 2012 = Comparison of  
functional outcome of Total Knee Replacement between Cruciate  
Retaining and Cruciate Substituting Prosthesis in Cipto Mangunkusumo  
Hospital from January 2011-February 2012 / Radi Muharris Mulyana

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Abstrak

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Operasi Total knee replacement (TKR) adalah prosedur pilihan pada penanganan osteoarthritis berat. Terdapat dua jenis prosthesis yang umum digunakan, yaitu cruciate retaining (CR) dan cruciate substituting (CS). Belum ada kesepakatan ahli mengenai mana prosthesis yang lebih baik. Penelitian ini bertujuan untuk membandingkan luaran fungsional pasien yang menjalani TKR menggunakan dua jenis prosthesis tersebut. Penelitian ini merupakan uji klinis acak tersamar ganda. Pasien dengan osteoarthritis berat dibagi 2 kelompok dan dinilai luaran fungsional 3 bulan dan 6 bulan pasca-TKR. Hasilnya sudut fleksi lutut kelompok CS lebih baik 13,1 derajat setelah 3 bulan dan 12,9 derajat setelah 6 bulan. Penilaian subjektif menggunakan skor IKDC tidak terdapat perbedaan bermakna antara kedua kelompok.

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**ABSTRACT**

Total knee replacement (TKR) is a procedure of choice in the management of severe osteoarthritis. Currently two types of prosthesis are widely used, cruciate retaining (CR) and cruciate substituting (CS). Experts has not yet reached agreement regarding which one is better. This study aims to compare functional outcome between the two types of prosthesis. This study was a randomized double-blind clinical trial. Patients with severe osteoarthritis were divided into two groups, and evaluated in 3 and 6 months after operation. Result of this study were that flexion angle of CS group was 13,1 degrees better in 3 months and 12,9 degrees in 6 months. Subjective evaluation using IKDC score did not show significant differences between two groups.