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Name of Journal: *World Journal of Orthopedics*

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Case control study

Computerized tomography based "patient specific blocks" improve postoperative mechanical alignment in primary total knee arthroplasty

Raju Vaishya, Vipul Vijay, Vikas P Birla, Amit K Agarwal

Abstract

AIM: To compare the postoperative mechanical alignment achieved after total knee

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... **Image-based** navigation systems use preoperative **computed tomography** scans, or fluoroscopy-**based** images obtained ... the femoral head) that created this array of points can then be **computed**. ... registration, the surgeon is provided with visual cues on the **computer** screen (Fig. ...

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Navigation improves accuracy of rotational alignment in total knee arthroplasty.

B Stöckl, M Nogler, R Rosiek, M Fischer... - ... and related research, 2004 - journals.lww.com

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