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논문제목 인공 슬관절 전치환술에서 환자 맞춤형 기구의 안전성과 정확성  
영문제목 **Safety and accuracy of patient-specific instruments for total knee arthroplasty verified by navigation system**  
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증례 (or 수술술기) : Correct alignment of the prosthesis is very important to avoid complications and maximize knee function following total knee arthroplasty (TKA). To improve the prosthesis component alignment, several methods have been introduced in TKA, and have proven to be of great value in improving the alignment of the limb compared to result with traditional techniques. The aim of this study was to evaluate the safety and accuracy of patient-specific instruments (PSI) for femoral and tibial resection in total knee arthroplasty (TKA) as assessed by a computer based navigation system during the bony resection. The hypothesis is that PSIs may achieve safety and optimal accuracy in final implant positioning, thus leading to surgical success.

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Total knee arthroplasty, Patient specific instrument, Computer navigation

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