

언어구분	KOR	논문구분	원저/구연	논문분야	슬관절
논문제목	한국인의 인공 슬관절 전치환술시 정맥혈전색전증 예방을 위한 약물 사용이 꼭 필요한가?				
영문제목	Is routine pharmacologic venous thromboembolism (VTE) prophylaxis necessary after total knee arthroplasty in Korean patients?				
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**서론** : The necessity of routine pharmacological venous thromboembolism (VTE) prophylaxis after total knee arthroplasty (TKA) is controversial. The purpose of this study was to reveal the incidence of symptomatic VTE without pharmacological prophylaxis after TKA, and the fate of the symptomatic VTE in Korean patients.

**재료 및 방법** : The necessity of routine pharmacological venous thromboembolism (VTE) prophylaxis after total knee arthroplasty (TKA) is controversial. The purpose of this study was to reveal the incidence of symptomatic VTE without pharmacological prophylaxis after TKA, and the fate of the symptomatic VTE in Korean patients.

**결과** : Fifty-seven (1.94%) out of the 2934 cases had symptoms suspicious of VTE. Twenty-three (0.78%) out of the 57 cases were finally diagnosed as VTE. There were 9 (0.31%) symptomatic DVT, 14 (0.48%) symptomatic PE, and no fatal PE. All the 23 patients with confirmed diagnosis of symptomatic VTE were females and the mean age was 69.3 years (range, 59-80). Treatment period after the diagnosis of VTE was mean 11.2 weeks in symptomatic DVT patients and mean 15.7 weeks in symptomatic PE patients. Complications of VTE such as post-thrombotic syndrome, chronic venous leg ulceration, chronic thromboembolic pulmonary hypertension, or death were not detected in any of the symptomatic VTE patients in this series. Significant improvements in the WOMAC and Knee Society Scores (25 and 41 points respectively) were observed among them. There were no serious complications related to the anticoagulation therapy for the diagnosed VTE patients.

**결론** : The VTE prophylactic regimen without using pharmaceutical agents is consistent with protecting patients who undergo TKA in Korea. Patients with symptomatic VTE could be cured without significant sequelae. We suggest that routine pharmacological VTE prophylaxis is not necessary after TKA in Korean patients.

**acknowledgment** :

VTE prophylaxis, knee arthroplasty, korea

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