
언어구분	KOR	논문구분	원저/구연	논문분야	고관절
논문제목	소전자를 이용하여 대퇴 전염각을 가늠하는 새로운 방법: 컴퓨터 단층 촬영 측정 결과 분석				
영문제목	A New Method for Estimation of Femoral Anteversion Using the Lesser Trochanter: An Analysis of CT Measurement				
발표자	윤호현	책임저자	윤호현		
저자	윤호현, 윤정로, 양재혁, 임득수, 김영찬				
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서론 : The placement of the femoral stem in excessive anteversion or retroversion can result in a significant increase in the incidence of a dislocation because of an impingement of the neck of the stem onto the rim of the acetabular component. The authors have devised a new method to precisely estimate the femoral anteversion using the posterior lesser trochanter line (PLTL) The aim of this study was to introduce a simple and reliable intraoperative reference guide to reproduce the normal femoral anteversion.

재료 및 방법 : The placement of the femoral stem in excessive anteversion or retroversion can result in a significant increase in the incidence of a dislocation because of an impingement of the neck of the stem onto the rim of the acetabular component. The authors have devised a new method to precisely estimate the femoral anteversion using the posterior lesser trochanter line (PLTL) The aim of this study was to introduce a simple and reliable intraoperative reference guide to reproduce the normal femoral anteversion.

결과 : The angles were normally distributed. The mean angle between the PLTL and the FNA was $17.0^{\circ} \pm 7.2^{\circ}$. There was variation of $<10^{\circ}$ from the mean in 97 hips (87%) in the angle between the PLTL and the FNA, 86 hips (76%) in the angle between the PFCA and the PLTL, and 97 hips (79%) in the femoral anteversion. The correlation between the PLTL angle and the FNA angle, the PLTL angle and the femoral anteversion was $r^2 = 0.32$ ($p < 0.05$), $r^2 = 0.12$ ($p < 0.05$), respectively.

결론 : In summary, we found a constant relationship between the PLTL and femoral anteversion, and the PLTL may be used a guide for estimate the femoral stem anteversion during femoral stem fixation.

acknowledgment :

Hip, Total hip arthroplasty, Posterior lesser trochanter line, Femoral neck axis, Femoral anteversion
