

언어구분	ENG	논문구분	원저/구연	논문분야	슬관절
논문제목	전방 십자 인대 수술 시 오염된 동종건을 <b>Chlorhexidine</b> 소독 후 생역학적인 변화에 대한 연구				
영문제목	<b>Biomechanical Analysis of Chlorhexidine Power Irrigation to Disinfect Contaminated Anterior Cruciate Ligament Grafts</b>				
발표자	<b>Yung Han, MD, FRCSC</b>	책임저자	Yung Han, MD, FRCSC		
저자	Yung Han, MD, FRCSC, Demetri Giannitsios, MSc, Kajsa Duke, PhD, Thomas Steffen, MD, PhD, MBA, Mark Burman, MD, FRCSC				
기관명	Madi Hospital, McGill University, Department of Orthopaedic Surgery				

**증례 (or 수술술기) :** Accidental graft contamination is a likely complication to occur in an orthopaedic sports medicine surgeon's career. There are no clinical outcome studies to direct management and a recent survey showed that preferred management varied. Three liters of 2% chlorhexidine power irrigation has been shown to be an efficient and effective disinfection protocol, however, the biomechanical sequelae of this disinfection protocol to the graft are unknown. The purpose of this study was to determine if 3 L of 2% chlorhexidine power irrigation used to disinfect contaminated anterior cruciate ligament (ACL) grafts significantly weakens the graft at time equals zero.

**acknowledgment :**

anterior cruciate ligament—contamination—sterilization—biomechanics—management—chlorhexidine

---