

**Anterior Cruciate Ligament Injury Mechanisms and Prevention Conference Mini ACL Study  
Group Meeting Program  
Friday, October 22, 2010  
Geneen Auditorium – Fuqua School of Business**

**Facilitator: William E. Garrett Jr., MD, PhD  
Professor, Department of Orthopaedic Surgery  
Duke University Team Physician  
Duke Medicine**

**7:00 a.m. Welcome**

Dean C. Taylor, M.D., COL (ret) USA  
Chairman, Feagin Leadership Forum and Endowment  
Professor, Department of Orthopaedic Surgery  
Director, Duke Sports Medicine Fellowship Program  
Duke University Team Physician  
Duke Medicine

William E. Garrett, Jr., M.D., Ph.D.  
Professor, Department of Orthopaedic Surgery  
Duke University Team Physician  
Duke Medicine

**7:05 a.m. Double Bundle vs. Single Bundle ACL Reconstruction**

**7:05 a.m. Double Bundle**

Freddie Fu, M.D.  
Chair, Department of Orthopaedic Surgery  
University of Pittsburgh

**7:30 a.m. Single Bundle**

William E. Garrett, Jr., M.D., Ph.D.  
Professor, Department of Orthopaedic Surgery  
Duke University Team Physician  
Duke Medicine

**7:50 a.m. DISCUSSION**

**8:00 a.m. Subchondral Activity after Anterior Cruciate Ligament Injury and Reconstruction**

Vladimir Bobic, M.D., FRCSEd  
Consultant Orthopaedic Knee Surgeon  
Chester Knee Clinic & Cartilage Repair Centre, Chester, UK

**8:15 a.m. Biologic Management of Knee Injury**

Alison Toth, M.D.  
Assistant Professor, Department of Orthopaedic Surgery  
Duke University Team Physician  
Duke Medicine

- 8:30 a.m.**                    **Motion Analysis after Anterior Cruciate Ligament Reconstruction**  
Julian Feller, M.D., FRACS  
President, Anterior Cruciate Ligament Study Group  
Orthopaedic Surgeon, OrthoSport Victoria, Australia
- 8:45 a.m.**                    **A New Technique for In Vivo Anterior Cruciate Ligament Strain**  
Lou DeFrate, Ph.D.  
Assistant Professor  
Department of Orthopaedic Surgery  
Duke Medicine
- 9:00 a.m.**                    **DISCUSSION**
- 9:10 a.m.**                    **BREAK**
- 9:25 a.m.**                    **JUMP-ACL Study: Risk of Second ACL Injury**  
Anthony Beutler, M.D.  
Lieutenant Colonel, USAF, MC  
Chief, Injury Prevention Research Laboratory  
Uniformed Services University
- 9:40 a.m.**                    **JUMP-ACL Study: Risk Factor Analysis**  
Steve Marshall, Ph.D.  
Associate Professor, Department of Epidemiology  
University of North Carolina at Chapel Hill
- 10:00 a.m.**                    **Does Bracing Normalize Loading Mechanics at Six Months Following Anterior Cruciate Ligament Reconstruction**  
Robert Butler, DPT, Ph.D.  
Assistant Professor, Physical Therapy Division  
Duke Medicine
- 10:20 a.m.**                    **Establishing a Baseline for Movement**  
Gray Cook, MSPT, OCS, CSCS  
Avery University
- 10:40 a.m.**                    **Why is the Integrated (Open and Closed Chain) Necessary for Optimal Rehabilitation of the Knee?**  
George J. Davies, DPT, ACT, CSCS  
Professor, Armstrong Atlantic State University
- 11:00 a.m.**                    **DISCUSSION**