

The Inaugural SOA-Stanford University Revision Knee Arthroplasty Instructional Course Lecture

Course Directors: Adj Asst Prof Kevin Lee, Prof William J Maloney

Faculty:

Professor William J Maloney (Stanford University, USA)

Professor Stuart B Goodman (Stanford University, USA)

Associate Professor Chris Mow (Stanford University, USA)

Adjunct Assistant Professor Kevin Lee (National University Hospital, Singapore)

Assistant Professor Chia Shi Lu (Singapore General Hospital)

Programme:

Avoiding and Managing Complications in Total Knee Replacement.

I: Why Total Knees Fail - Maloney

II: The Importance of Surgical Technique

A. Alignment and Implant Positioning - Mow

B. Ligament Balancing - Lee

1. Varus Knee

2. Valgus Knee

C. Navigation - Pros and Cons - Goodman

D. Patient Specific Instrumentation - Maloney

III: Evaluation and Management of the Unstable Knee - Lee

IV: Evaluation and Management of the Stiff Total Knee - Maloney

V: Case Discussions - Maloney with Panel (Goodman, Mow, Lee, Chia)

VI: Bone Loss

A. Classification and Management of Bone Defects - Goodman

B. Outcomes of Revision for Massive Osteolysis - Maloney

VII: Performing A Revision TKR

A. Exposure and Implant Removal - Mow

B. Joint Line Restoration and Ligament Balancing - Goodman

C. The Role of Implant geometry and stem extensions - Maloney

VIII: Infection and TKR

A. Minimizing the problem - recognizing the at risk patient and appropriate prophylaxis - Chia

B. Diagnosing infection and outcomes of surgical management - Chia

IX: Case Discussions: Goodman with Panel (Maloney, Mow, Lee, Chia)

X: Audience Cases: Maloney with Panel (Goodman, Mow, Lee, Chia)