

Preclinical testing and simulation in shoulder replacements

16th December 2022

On-line: Zoom

The presentations will be recorded for future training purposes and as part of the BioTrib public engagement programme.

Title	Speaker and Affiliation	Time
		(UK time)
Welcome and Introduction	Prof Richard Hall, University of Leeds, UK	9.45
Session 1	Chair: Prof Richard M Hall, University of Leeds, UK	
Clinical Challenges, Wear and Failure in	Mr David Limb,	10:00
Shoulder Arthroplasty	Elbow and Shoulder Surgeon, Leeds Teaching Hospitals,	
	UK. EFORT First Vice President, UK	
Standards in the pre-clinical assessment	Mr Nick Eldred,	10:30
of Shoulder Replacements.	Director, Simulation Solutions Ltd, UK	
Panel Q and A		10:50
Break		11:05
Session 2	Chair: Dr Kathleen Denis	
Investigation of initial stability in	Dr Kyle Snethen, Zimmer Biomet, USA	11:20
stemless shoulder arthroplasty		
In silico clinical trials - augmenting	Dr Philippe Favre, Zimmer Biomet, Switzerland	11:40
clinical data with computer simulation		
Panel Q and A		12:00
Break - Lunch		12:15
Session 3	Chair: Mike Bryant	
Challenges within in silico clinical trials	Prof Alex Frangi, University of Leeds, UK	12:50
Premarket Considerations and	Stephanie Smith, Ph.D.	13:10
Challenges in Shoulder Arthroplasty	Biomedical Engineer, Division of spinal devices (6B):	
	Office of Health technology (OHT) 6: Office of	
	Orthopedic devices, USA	
Shoulder simulation for testing	Dr Kathleen Denis,	13:30
advanced shoulder concepts	Associate Professor, Department of Mechanical	
	Engineering, KU Leuven, BE	
Development of a shoulder simulator	Prof Tom Joyce, Newcastle University, UK	13.50
Design and performance of the Imperial	Dr Dong Wang, Exeter University, UK	14:10
Shoulder Simulator	De Dekie Deursel	14.00
Observations on retrieved shoulder	Dr Robin Pourzal,	14:30
implants	Director of Implant Materials Analysis. Associate	
	Professor, Dept Orthopedic Surgery, Rush Medical	
Danal Q and A	College, USA	14.50
Panel Q and A		14:50
Break	Chair: Dr Mike Pryant	15:10
Final Panel Discussion – Requirements	Chair: Dr Mike Bryant	15:20
for future preclinical assessments in shoulder replacements		
Closing Remarks	Dr Miko Bryant	16:20
Close	Dr Mike Bryant	16:30
0026		10.30

