



**2nd International Workshop on Clinical Spine and Orthopedics Biomechanics  
13th to 15th April, 2018 Auditorium, ISIC  
Program**

**13<sup>th</sup> April, 2018: Clinical Orthopaedic biomechanics**

Time	Topic
<b>0900-1015</b>	<b>Session I- Total Hip Arthroplasty</b>
0900-0915	Biomechanics of a Normal, Arthritic and Artificial Hip
0915-0930	Current & novel designs of Modular Total Hip Arthroplasty
0930-1015	Panel discussion: How do I prolong life of my patients THA
1015-1045	<b>Tea Break</b>
<b>1045-1300</b>	<b>Session II- Total Knee Arthroplasty</b>
1045-1055	Biomechanics of a Normal, Arthritic and Artificial Knee
1055-1105	Current & novel designs of Total Knee Arthroplasty
1105-1115	Do Unloader braces really work
1115-1125	To squat or not to squat – a biomechanical answer
1125-1215	Debate - Intra-operative aids in Total Knee Arthroplasty - What works for me and why Experience and eye-balling Computer assisted navigation Patient specific instrumentation Robotic arm
<b>1215-1345</b>	<b>Session III - Designing a biomechanical study</b>
1215-1235	Basics of experimental study design for orthopaedic implants
1235-1255	
1255-1330	Discussion on how to design a biomechanical study
1330-1415	<b>Lunch</b>
1415-1445	<b>Inauguration</b>
<b>1445-1615</b>	<b>Session - IV - Trauma</b>
1445-1455	Whats better - SS or Titanium implants - a biomechanical and clinical perspective –
1455-1505	Ideal biomechanical construct for fixation of comminuted long bone fracture
1505-1515	Is non weight bearing/partial weight bearing a myth?
1515-1615	Panel discussion - case based discussion of failure of fracture fixations
<b>1615-1645</b>	<b>Tea Break</b>
<b>1645-1</b>	<b>Session V – ACL Biomechanics</b>
1645-1655	Biomechanics of a ACL deficient knee
1655-1705	Evolution and future of ACL implants
1705-1715	Rehab of ACL deficient knee
1715-1725	What's the hype of core muscle strengthening
1725-1825	Panel discussion -Does DB offer any biomechanical advantage over SB ? Is ALL the future of ACL reconstruction?
1900 onwards	<b>Faculty Dinner</b>