

ISCSG - Orthopaedic Innovations and Orthobiologics 22 December 2023

9.15-9.30 AM Inauguration Chief Trauma Centre, Prof Kamran Farooque				
Sl. No	Session timing	Title	Speaker	Chairpersons
Session 1 - Platelet Rich Plasma (PRP)				
1	9.30-9.45	Introduction & Lab technique isolation and platelet rich plasma	Dr Kanchan Mishra	Kamran Farooque Vijay Sharma Karun Jain
2	9.45-10.00	PRP: Things to remember	Dr Ashim Gupta	
3	10.00-10.15	Management of Periarthritis shoulder & PRP	Prof Alok Agarwal	
Session 2 - Bone Marrow Aspiration Concentrate: Harvesting, Concentration, Application of Bone marrow				
4	10.15-10.30	PSIS	Dr Manish Khanna	Tulika Seth Sushma Sagar
5	10.30-10.40	ASIS	Dr Surya Prakash	
Session 3 - Adipose Tissue Biologics: Isolation and Application				
6	10.35-10.50	Nanofat isolation	Dr Naveen Jeyaraman	Ravi VR Shilpa Sharma
7	10.50-11.05	Harvesting, Preparation, Injection of SVF	Dr Madhan Jeyaraman	
8	11.05-11.15	Harvesting the right cells	Dr Kanchan	
High Tea - 11.15- 11.30				
Session 4 – Processes, Training and Regulations				
9	11.30-11.40	Growth factor concentrate injection: Exploring new horizons in Orthopedics.	Dr Karun Jain	Alok Agarwal Geeta Jotwani Alka Sharma Sheo Mohan Singh
10	11.40-11.50	Bone marrow Aspiration - Sterility Concerns	Dr Purva Mathur	
11	11.50-12.00	Training in Orthobiologics	Dr Manish Khanna	
12	12.00-12.10	Indian Government regulations on Regenerative Medicine	Mr Manoj Bhansode	

Session 5 – Stem cells in Orthopaedics 2.0				
13	12.10-12.20	Orthobiologics for AVN due to Sickle cell Anemia	Dr Alok Agarwal	Sagar Jawale Ashim Gupta
14	12.20-12.30	Orthobiologics for idiopathic AVN	Dr Manish Khanna	
Session 6 - Innovations in Orthopaedics				
15	12.30-12.45	Bioprinting: Applications for an Orthopaedic surgeon	Dr Bhavuk Garg	Ravi VR Budhdev Choudhary Madhan Jeyaraman
16	12.45-1.05	Is regeneration of the knee possible?	Dr Manish Khanna	
17	12.55-1.10	Isolation of adipose tissue biologics and Micro algal derived carrageenan as ideal scaffold in cartilage regeneration.	Dr Madhan Jeyaraman	
Lunch - 1.10 - 2.00 followed by Group Photo				
Session 7 – Dermal, Neuronal and Soft Tissue Regeneration				
18	2.00-2.15	Therapies in Dermatology	Dr Somesh Gupta	Vinod Tiwari Manish Khanna
19	2.15-2.30	Neuronal Regeneration in Poliomyelitis	Dr Shilpa Sharma	
20	2.30-2.45	Regenerative care for vital tissue survival in complex wounds	Dr Sandeep Shrivatsava	
21	2.45-3.00 Online from Dubai	Stem cell treatment for musculoskeletal disorders	Dr AK Kadamb	
22	3.00-3.15PM	10000-Fold effect as a regenerative tool for the neurological diseases	Dr Vinod Tiwari	
Session 8 – Stem cells in Orthopaedics 2.0				
23	3.15-3.30	Neural Differentiation capacity of Mesenchymal stem cells	Kanchan Mishra	

24	3.30-4.00	Safe processing of cells	Dr Himanshu Bansal	Sujata Mohanty Kanchan Mishra
26	4.00-4.15	Evidences of adipose tissue biologics in cartilage regeneration	Dr Arul Kumar Nallakumarasamy	
27	4.15-4.30	Indian FDA DCGI approved Orthobiologics.	Dr Ravi VR	Vivek Janjira Samarth Mittal
28	4.30-4.45	Optimizing scaffold selection for various chondral lesions	Dr Arulkumar Nallakumarasamy	
29	4.45-5.00	Allogenic Umbilical Cord Tissue and Basics of Exosomes for Knee Osteoarthritis	Ashim Gupta	
High Tea – 5.00 PM onwards				