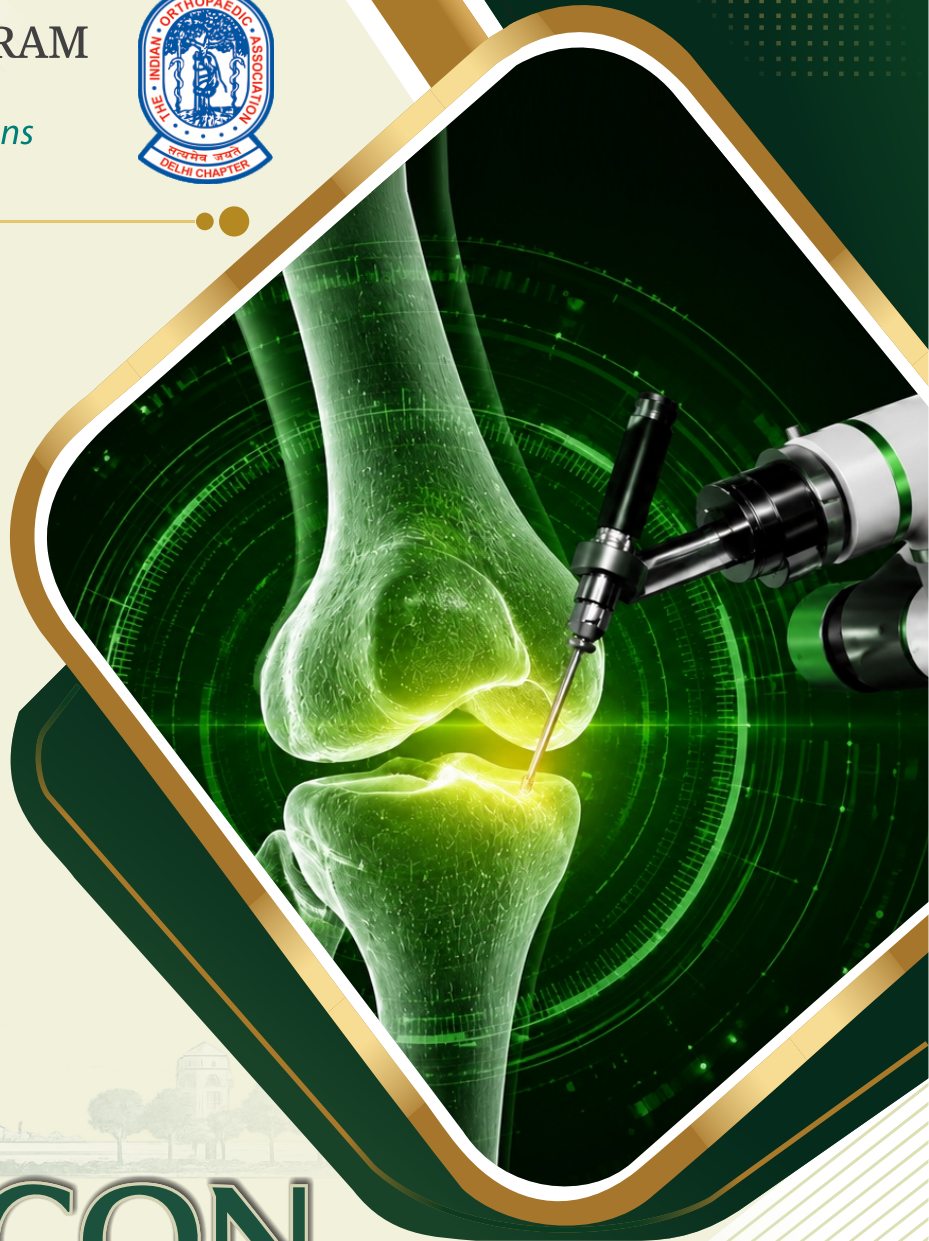




SIR GANGA RAM
HOSPITAL
Trust of Generations



Redefining the Future of Intelligent Arthroplasty



AI/AR & ROBOTIC ARTHROPLASTY CONCLAVE-2026



DATE
23 AUGUST 2026
SUNDAY



VENUE
HOTEL THE LALIT
Connaught Place, New Delhi



Organizing Chairman

Dr Anant Kumar Tiwari
Chairman, AI & Robotic Joint Replacement Centre
Sir Ganga Ram Hospital, New Delhi.

AIROCON

AI/AR & Robotic Arthroplasty Conclave -2026

Invitation

The Joint Replacement Centre at Sir Ganga Ram Hospital, New Delhi, cordially invites young and aspiring Arthroplasty and Orthopaedic Surgeons to participate in AIROCON, a landmark academic conclave dedicated to the future of joint replacement surgery.

With over 40 years of excellence, the Joint Replacement Centre has been pioneer in arthroplasty in India, having successfully performed more than 40,000 joint replacement procedures across a wide spectrum including knee, hip, shoulder, elbow, ankle, wrist, and small joints. The centre has consistently led the way in adopting advanced surgical technologies, including Robotic-assisted joint replacement and the integration of Artificial Intelligence with Augmented Reality (AI/AR) in arthroplasty procedures.

AIROCON is envisioned as a first-of-its-kind platform that brings together innovation, expertise, and education under one roof. The conclave is specifically designed to provide a comprehensive understanding of the latest advancements in hip and knee arthroplasty, with a strong focus on emerging technologies that are redefining surgical precision and patient outcomes.

The scientific program will feature expert-led sessions, in-depth discussions, and practical insights into the application of robotics and AI/AR in modern arthroplasty. A key highlight of the conclave will be live telecasts and video demonstrations of surgeries utilizing these advanced technologies, enabling participants to observe their real-time application within the operating theatre environment.

This conclave aims not only to enhance clinical knowledge but also to inspire the next generation of arthroplasty and orthopaedic surgeons to embrace innovation and excellence. It offers a unique opportunity to interact with experienced faculty, exchange ideas, and gain exposure to cutting-edge surgical practices.

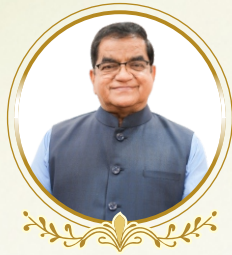
We sincerely invite you to be a part of this pioneering academic initiative and experience the future of arthroplasty.



Dr Anant Kumar Tiwari

Chairman, AI & Robotic Joint Replacement
Centre Sir Ganga Ram Hospital New Delhi

PATRON



Dr D S Rana

Chairman, Sir Ganga Ram Trust Society



Dr Ajay Swaroop

Chairman, Board of Management

ORGANISING SECRETARY



Dr Deepinder Chaudhary

SCIENTIFIC SECRETARY



Dr Nipun Rana

EXECUTIVE COMMITTEE



Dr Kshitij Shetty



Dr Shahid Khan



Dr Shagun Agarwal



Dr Mayank Gupta

DOA COMMITTEE



Dr Vinod Kumar
DOA President



Dr Sandeep Kumar
DOA Secretary



Dr Ravi Chauhan
DOA Treasurer



Dr Samarth
DOA Joint Secretary



Dr Karun Jain
DOA Joint Secretary
(Coordinator)

FACULTY

Dr Ashok Rajgopal
Dr Yash Gulati
Dr Lavinder Tomar
Dr Shekhar Srivastava
Dr C S Yadav
Dr Anil Arora

Dr SKS Marya
Dr B D Chatterjee
Dr Hemant Sharma
Dr Pradeep Chaudhary
Dr Raju Vaishya

Dr Rajeev Kr Sharma
Dr Dhiraj Marothi Jain
Dr Krishna Kiran
Dr Subhash Jangid
Dr Amber Mittal

INTERNATIONAL FACULTY

Dr Scott Miller



AIROCON

AI/AR & Robotic Arthroplasty Conclave -2026



ROBOTIC SESSION

Moderator: Dr Anil Arora

Live / Inbox	
Introduction to Robotic in Arthroplasty: Concepts, Components and Current Platforms	Dr Subhash Jangid
Patient Selection for Robotic Arthroplasty: Indications, Contraindications and Value Addition	Dr B D Chatterjee
Robotic Pre-operative planning in TKA: Imaging, Implant Sizing, Bone Resection Kinematic and Function	Dr Pradeep Choudhary
Alignment Philosophy in Robotic TKA: Mechanical Kinematic, Restricted Kinematic and Function	Dr Shekhar Srivastava
Robotic Intra-operative Execution in TKA: Registration, Bone Cuts, Gap Balancing and Soft-tissue	Dr Krishna Kiran
Robotic in Complex Primary and Revision Arthroplasty: Deformity, Bone Loss, Pitfalls and Troubleshooting	Dr Rajeev Kr Sharma
Panel Discussion: Robotics vs Conventional Arthroplasty Speaker: Dr S. K. S. Marya	Panelist: Dr Raju Vaishya Dr C. S. Yadav Dr L. Tomar Dr Hemant Sharma

AI / AUGMENTED REALITY SESSION

Moderator: Dr Scott Miller

Live / Inbox TKA	
Introduction to Navigation in Orthopaedics: Image-based, Imageless, Optical and Sensor-assisted	Dr Dhiraj Marothi Jain
Navigation in TKA: Landmark Acquisition, Cut Verification, Ligament Balancing and Error Prevention	Dr Rajeev Kr Sharma
AI and Intellijoint Navigation: Data-driven Planning, Decision Support and Personalized Surgical Targets	Dr Amber Mittal
Kinematic Alignment by Intellijoint	Dr Hemant Sharma
Live / Inbox THA	
Intellijoint-style Navigation in THA: Cup Position, Leg Length, Offset and Combined Anteversion	Dr Hemant Sharma
Navigation in THA: Functional Cup Positioning, Hip-Spine Relationship and Pelvic Tilt Considerations	Dr Scott Miller
Panel Discussion: Clinical Outcomes, Cost-effectiveness and Future of Robotic, AI and Navigation in Arthroplasty Speaker: Dr Ashok Rajgopal	Panelist: Dr Shekhar Srivastava Dr Krishna Kiran Dr Subhash Jangid Dr Yash Gulati

Note: Saw Bone demonstration of AI/AR and Robotic techniques



SCAN THE
QR CODE FOR
REGISTRATION

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