



AN INTERNATIONAL CONFERENCE &
LIVE OPERATIVE WORKSHOP

GEM
TECHNOSURG

AI • ROBOTICS • FLUORESCENCE
— IN SURGERY —



 JUNE 19 - 20, 2026

 ITC GRAND CHOLA
— CHENNAI —



GEM TECHNOSURG

Greetings from GEM HOSPITALS

It is our privilege to invite you to GEM TECHNOSURG 2026 .As surgical practice continues to evolve with the integration of Artificial Intelligence, robotic platforms, and advanced imaging technologies, there is an increasing need for structured learning and hands-on exposure.

Surgery is no longer defined by technique alone, but by technology and insight."

TECHNOSURG 2026 is designed as a focused academic platform featuring renowned national and international faculty, delivering expert-led sessions, panel discussions, and immersive training experiences.

The conference will highlight the practical application of emerging technologies, enabling participants to integrate these advancements into everyday surgical practice. A key component of the program includes robotic simulation and skill-based training modules, providing an opportunity for participants to gain direct experience in a guided environment.

We invite you to be part of this academic initiative and engage with the future direction of surgery.

Dr. C. PALANIVELU
Chairman, GEM Hospitals

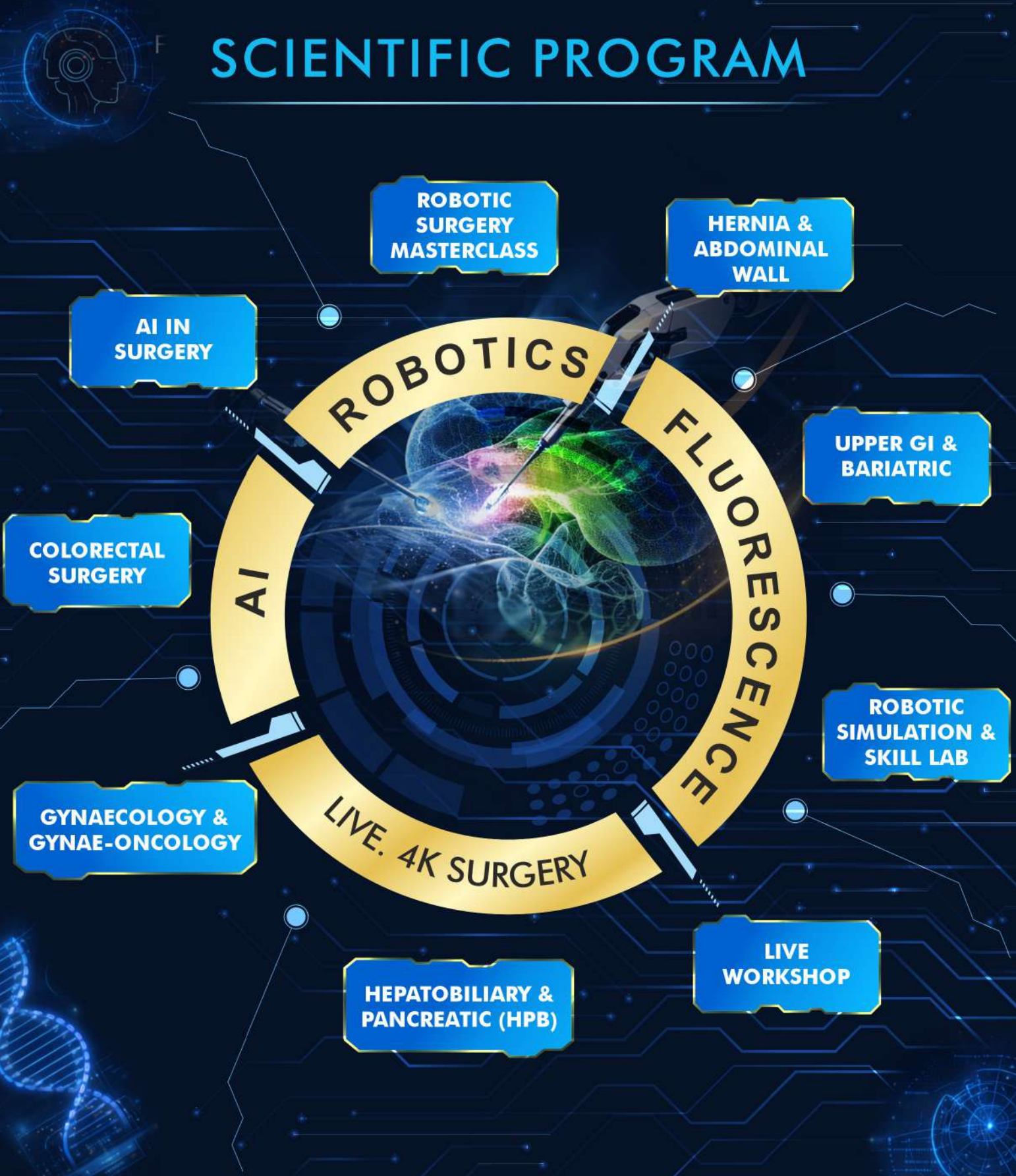


FOR WHOM?

- General Surgeons • Surgical Gastroenterologists
- Surgical Oncologists • Gynaecologists
- Minimal Access & Robotic Surgeons



SCIENTIFIC PROGRAM



SCIENTIFIC PROGRAM



DAY1 - FRIDAY, 19/06/26

ICG IN SURGERY

GLOW BEYOND VISION: THE FUTURE OF FLUORESCENCE SURGERY

🕒 9:00 am - 9:15 am	Inside the Glow: Principles & Science Behind ICG Imaging Dr. Parthasarathi
🕒 9:15 am - 9:30 am	From Signal to Precision: Applications of Fluorescence-Guided Surgery Dr Kalayarasan

ROBOTIC SESSION

RISE OF THE MACHINES: THE ROBOTIC REVOLUTION

🕒 09.30 AM-09.45 AM	Building a Robotic Surgery Program: From Vision to Reality Dr Arun Prasad
🕒 09.45 AM-10.00 AM	Cracking the Cost Code in Robotic Surgery Dr. Anmol Ahuja
🕒 10.00 AM-10.15 AM	Will the robot replace the surgeon Dr Magnus Jayaraj
🕒 10.15 AM-10.30 AM	POV: Training the next gen OPEN /LAP/ROBOTIC Dr. Avinash Supe
🕒 10.30 AM-10.45 AM	POV: FOMO in Robotics-- Does it really affect your Minimal access surgery practice Dr. Pawanindra Lal
🕒 10.45 AM-11.00 AM	Curiosity to Clinical responsibility: AI & the surgeon Dr. Angeline Neetha Radjou

TEA BREAK

SCIENTIFIC PROGRAM

DAY1 - FRIDAY, 19/06/26



CLASH OF TITANS

🕒 11.30 AM-12.00 PM

Debate Arena: ICG – Game Changer or Glamour Add on ?

For-Dr Ashwin Thangavelu, **Against-** Dr Patta Radhakrishna

🕒 12.00 PM-12.30 PM

Debate Arena: Robotic surgery – Value vs Vanity

For – Dr. Jagdishwar Goud, **Against –** Dr. TK Rajesh

🕒 12.30 PM-12.45 PM

POV: Does a seasoned lap surgeon require robotics

Dr. Baiju Senadhipan

ROBOTIC SESSION

WHAT INDUSTRY IS BUILDING NEXT

🕒 12:45PM- 2:00PM
(Breakout Session)

Da Vinci: The Gold Standard Evolves

MERIL/MISSO: India's Robotic Leap

SSI: The Challenger Emerges

HUGO: Redefining Robotic Freedom

Toumai Medbot: The Next Frontier

LIVE SURGERIES

LIVE FROM THE FUTURE: SURGERY WITHOUT FILTERS

🕒 11:00 am - 3:00 pm

Live 4K Surgeries From GEM Hospital Chennai.

ROBOTIC HERNIA / HPB / COLORECTAL SURGERY

HYSTERECTOMY / BARIATRIC / ICG

🕒 1:00 pm - 2:00 pm

Lunch Break

SCIENTIFIC PROGRAM



DAY1 - FRIDAY, 19/06/26

AI SESSION

AI UNLEASHED: WHEN INTELLIGENCE ENTERS THE OR

🕒 2:00 pm - 2:20 pm	AI in ERCP (Endocolor Master Class) Dr. Rakesh Kalapala
🕒 2:20 pm - 2:40 pm	AI in Endoscopy (Endocolor Master Class) Dr. Rajesh Puri
🕒 2:40 pm - 3:00 pm	AI in Liver Imaging and Navigation Dr. Biju Pottakkat
🕒 3:00 pm - 3:12 pm	Beyond the Human Eye: AI-Powered Surgical Measurements Dr. Vinayak Rengan
🕒 3:12 pm - 3:24 pm	Designing Disruption: Product Thinking in Surgical Innovation Dr. Niranjan Subbarao
🕒 3:24 pm - 3:36 pm	The Digital Surgeon: Foundational AI Models in Surgery Mr. Vinkle Srivastava (IITM)
🕒 3:36 pm - 3:48 pm	From Imaging to Insight: Immersive 3D Technologies for Precision and Patient-Specific Surgical Planning Dr. Mahesh
🕒 3:48 pm - 4:00 pm	Precision Beyond Boundaries: AI in Liver Surgery Dr. Sarin
🕒 4:00 pm - 4:12 pm	The Digital Pre-Op Clinic Dr. Krithika Rangarajan
🕒 4:12 pm - 4:24 pm	From Virtual Practice to Real-World Precision Dr. Ganesh Shankaranarayanan

SCIENTIFIC PROGRAM



DAY1 - FRIDAY, 19/06/26

PANEL DISCUSSION

BORDERS DISSOLVE: THE FUTURE OF TELESURGERY

🕒 4:30 pm - 5:00 pm

Can the Best Surgeon Reach Every Operating Room?

KEYNOTE SERIES

THE FUTURE OF SURGICAL INNOVATION

🕒 5:00 pm - 5:15 pm

Digital Twins in Surgery
Dr. GV Rao

🕒 5:15 pm - 5:30 pm

Distance: No Longer a Limitation
Dr. Myilsami Annadurai

🕒 5:30 pm - 5:45 pm

Surgomics: Decoding the DNA of Surgical Intelligence
Andrew Gumbs

🕒 5:45 pm - 6:00 pm

From Fluorescence to Intelligence
Dr. Fernando Dip

INAUGURATION

🕒 6:00 pm - 7:00 pm

Opening the Future

BANQUET

🕒 8:00PM ONWARDS

Innovation After Hours

SCIENTIFIC PROGRAM



DAY2 - SATURDAY, 20/06/26

ICG MASTERCLASS

THE FLUORESCENCE FRONTIER: BEYOND WHAT THE EYE CAN SEE

🕒 9:00 am - 9:12 am	Glow in Complexity: ICG in Complex Ventral Hernia & AWR Dr. Rajesh Srivastava
🕒 9:12 am - 09:24 am	Mapping Safety: Smarter Cholecystectomy Through ICG Navigation Dr. P. Senthilnathan
🕒 9:24 am - 09:36 am	Seeing Function Beyond Anatomy: ICG in BENIGN NON BILIARY ABDOMINAL SURGERY Dr. Roy Patankar
🕒 9:36 am - 09:48 am	Weight Loss Meets Precision: ICG in Bariatric Surgery Dr. Raj Palaniappan
🕒 9:48 am - 10:00 am	Lighting the Upper GI Pathway: ICG in Upper GI Surgery Dr. Subramanyeshwar Rao
🕒 10:00 am - 10:12 am	Prevent Before It Leaks: Fluorescence for Colorectal Precision Dr. Pavan Sugoor
🕒 10:12 am - 10:24 am	Mapping the Invisible: Lymphatics, SLNB & Surgical Navigation Dr. Basant Mahadevappa
🕒 10:24 am - 10:36 am	Guided by Light: ICG in Liver Transplantation Dr. Ramachandran Menon
🕒 10:36 am - 10:48 am	Precision by Fluorescence: Segmental Liver Resections Reimagined Dr. Anand Vijay

ROBOTIC FLAGSHIP SESSION

ROBOTIC PROCEDURES REDEFINING SURGERY

🕒 11:00 am - 11:12 am	The Abdominal Wall Reimagined Dr. Sarfaraz Baig
🕒 11:12 am - 11:24 am	The Future Esophagus: Robotic Esophagectomy Evolution Dr. C. Palanivelu
🕒 11:24 am - 11:36 am	Beyond VATS: The Robotic Thoracic Era Dr. Saravanan

SCIENTIFIC PROGRAM



DAY2 - SATURDAY, 20/06/26

🕒 11:36 am - 11:48 am	Robotic PD: Precision at the Highest Level Dr. Vikram Chaudhari
🕒 11:48 am - 12:00 pm	Robotic Liver Transplant Dr. Swetha Mallik
🕒 12:00 pm - 12:12 pm	Pelvic Precision: Robotic ULAR / TME Masterclass Dr. Pinak Das Gupta
🕒 12:12 pm - 12:14 pm	Robotic RAMPS Dr. Gurudutt P Varty

LIVE SURGERIES

LIVE FROM THE OR: UNSCRIPTED. UNFILTERED. UNMISSABLE.

🕒 12:00 pm - 3:00 pm	Live 4K Surgeries From GEM Hospital Chennai.
🕒 3:00 pm - 3:15 pm	CAHO session on Robotic standards
🕒 3:00 pm - 4:00 pm	VIDEO AWARDS SESSION Frames Of Excellence: Surgical Video Awards
🕒 4:00 pm - 5:00 pm	QUIZ Battle of Minds: The Surgical Intelligence Challenge

Closing Reflections: Carrying the Future Forward

FUTURE OF GYNEC SURGERY

DAY2 - SATURDAY, 20/06/26

ILLUMINATING PRECISION :AI AND FLOURESCENCE IN GYNECOLOGY

🕒 9:00 am - 9:15 am	Smarter Starts : AI In Preoperative Planning Of Breast & Gynaec Surgeries Dr. Aravind
🕒 9:15 am - 9:30 am	The Surgical Glow : Flourescence In Benign Gynaec Surgery Dr. Kavitha Yogini
🕒 9:30 am - 9:38 am	Smart Conception : Rise Of AI In Fertility Dr. Madhupriya
🕒 9:38 am - 9:45 am	Reinventing Women's Imaging With AI Dr. Deepti Jammi

THE DIGITAL OR : ROBOTICS IN GYNAECOLOGY

🕒 9:45 am - 10:00 am	Beyond Conventional : What Makes Robotic Myomectomy Different ? Dr. Malaraj
🕒 10:00 am - 10:25 am	Precision Without Burden : Robotic Hysterectomy- Simple And Complex Dr. Rooma Sinha
🕒 10:25 am - 10:40 am	Crossing Boundaries : Robotics In Urogynaecolgy Dr. Rajamaheshwari
🕒 10:40 am - 10:50 am	Redefining Benign Adnexal Surgery Through Robotics Dr. Sivasundari
🕒 10:50 am - 11:00 am	Navigating Challenges In Robotic Surgery Dr. Sujay Susikar
🕒 11:00 am - 11:30 am	Debate Arena - Robotics Is Meant Only For Complex Gynaec Procedures Dr. Padmapriya Vs Dr.vanitha Anban

FUTURE OF GYNEC SURGERY



DAY2 - SATURDAY, 20/06/26

BEYOND PAIN BEYOND BOUNDARIES – ENDOMETRIOSIS

🕒 11:30 am – 11:45 am	Protecting Fertility – Preserving Futures : Fertility Enhancing Surgeries In Endometriosis Dr. Priya Lakshmanan
🕒 11:45 am – 12:00 pm	Smart Surgical Navigation In DIE – Role Of Robotics And Fluorescence Dr. Meenakshi Sundaram
🕒 12:00 pm – 12:15 pm	Protecting Function While Treating Disease : Nerve Sparing Endometriosis Surgery Dr. Jay Mehta
🕒 12:15 pm – 12:45 pm	Grand Panel : Complexity Meets Collaboration : Managing Stage 4 Endometriosis – Multidisciplinary Approach Dr. Tarun Joseph, Dr. Dhivya Narasimhan, Dr. Karthikha ,Dr. Samhitha, Dr. Kavitha Yogini , Dr. Thendral , Dr. Monika, Dr. Pinak Das Gupta, Dr. Yuvraj, Dr. Sai Dharshini, Dr. Rukkayal, Dr. Vidhya Chaya

NEXTGEN- GYNAEC ONCOLOGY

🕒 12:45 pm – 1:00 pm	The First Signal : Sentinel Lymph Node In Ca Endometrium Dr. Kavitha Sukumar
🕒 1:00 pm – 1:15 pm	Ovarian Cancer Sx 5.0 – The Robotic Shift Dr. Arunava Roy
🕒 1:15 pm – 1:30 pm	Robotic Era In Cervical Cancer Surgery Dr. Rohit Ranade
🕒 1:30 pm – 1:45 pm	Oncofertility Dialogue- Shaping The Future Of Fertility and Conscious Oncology Dr. Delphin And Dr. Sai Dharshini
🕒 1:45 pm – 2:00 pm	Predicting Tomorrow – AI In Adjuvant Treatment And Predicting Treatment Outcomes Dr. Rejiv Rajendranath

LIVE SURGERIES

Live 4K Gynaec Surgeries From GEM Hospital

🕒 11:00 am – 3:00 pm

INNOVATION BREAKOUT SESSIONS

DAY2 - SATURDAY, 20/06/26



The Eureka Moment
(Ideas and innovations)

Young Minds at Work
(Poster presentation for
MBBS students-
Theme: AI in surgery)

The Surgical Oscars
(video session)

»»» **CAPTURE. EDIT. PRESENT. (2PM TO 3PM)**

Master the essentials of surgical video documentation and presentation to elevate your academic and professional visibility

THE SURGICAL DEBATE FORUM

Experience expert discussions that challenge established surgical approaches while exploring innovations shaping modern practice.

TECHNIQUES PERSPECTIVES EVIDENCE

TECHNOLOGY vs TECHNIQUE
What Matters More?

ROBOTIC SURGERY
Precision or Price ?

AUTONOMOUS SURGERY
Reality or Risk?

SURGERY 2035
Will Surgeons Lead or Be Replaced?

BORDERLESS SURGERY
Can Geography Become Irrelevant?



World-Class

SURGICAL TECHNOLOGY

on Display

Explore cutting-edge Instruments, **Robotics, Imaging & Digital Health Innovations** from leading global manufacturers.



AI SYSTEMS



DIGITAL
SURGERY



SMART
OR



SURGICAL
ROBOTICS



ROBOTIC
CONSOLES

4K 3D

IMAGING



NextGen Tech



SIMULATION
LABS



SURGICAL
SIMULATION

GEM
TECHNO SURG





GEM TECHNOSURG

📅 19th - 20th JUNE, 2026

🕒 10:00 AM - 05:00 PM

📍 ITC GRAND CHOLA, CHENNAI

LOCATION

