



**Measuring Miracles:  
KPIs as the DNA of IVF Lab Excellence**

**3<sup>rd</sup> International Conference**

**MemART 3.0**

MICRODISSECTION OF EMBRYOLOGY

**SCIENTIFIC PROGRAM**

**6<sup>th</sup> & 7<sup>th</sup> June 2026  
Marriott Hotel, Jaipur**



# Scientific Program

Saturday | 6<sup>th</sup> June | Sapphire Hall

**Conveners:** Nidhi Singh, Yosheeta Tanwar, Nancy Sharma, Aanantha Lakshmi

**Co-Conveners:** Koustubh Joshi, Saloni, Devika, Prajakta Vaidya, Arshi Babbar

Time	Topic	Speaker
09:00 - 09:15 AM	Inauguration & Objectives of KPI Tracking In IVF: From Consensus To Clinical Reality	Introduction by Team Ihera
<b>Lectures</b>		
<b>Chairpersons:</b> Deven Patel, Charudutt Joshi, Narendra Gupta, Simmi Maheshwari		
09:15 - 09:35 AM	What are KPIs? Defining Benchmarks in IVF Laboratory : Vienna Consensus	Aanantha Lakshmi
09:35 - 09:55 AM	The Missing Piece of The Puzzle: Clinical KPIs Affecting Lab Outcomes	Namita Kotia
09:55 - 10:15 AM	Quality in Embryo Culture System: Monitoring Performance and Predicting Outcomes	Juan Zamora
10:15 - 10:35 AM	Timing is Critical: Gamete Exposure Windows as Success Determinants	Rajvi Mehta
10:35 - 10:50 AM	Discussion	
10:50 - 11:00 AM	<b>Tea Break</b>	
<b>Lectures</b>		
<b>Chairpersons:</b> Kersi Avari, Meeta Sharma		
11:00 - 11:20 AM	Technical Precision in ICSI: Assessing Operator-Dependent KPIs & Training Curves	Vijay Kumar Chelur
11:20 - 11:40 AM	The Hidden Variable in IVF: Culture Media Quality and Its Impact on Embryo Development and Laboratory KPIs	Bindu Chimote
11:40 - 11:50 AM	Discussion	
<b>Keynote Lecture</b>		
<b>Chairpersons:</b> Rahul Sen, Manisha Vajpeyee, Tarika Arora		
11:50 - 12:10 PM	Love is in The Air: Importance of Air Quality Monitoring in IVF Lab. Performance	Filipa da Silva Barbosa
12:10 - 01:00 PM	<b>Panel Discussion:</b> How to Set and Achieve Target KPIs: Clinician & Embryologist Perspective <b>Panelists:</b> Kersi Avari, Rajul Tyagi, Durai Palaniyandi, Gunjan Jain, Neela Baheti, Phalguni Patro, Tejaswani, Naintara Lucian, Ram Prakash	<b>Moderators:</b> Akash Agarwal, Navdeep Kaur G
<b>Keynote Lecture</b>		
<b>Chairpersons:</b> Ved Prakash, Sanjay Shukla, Charudutt Joshi		
01:00 - 01:30 PM	Using KPI tools to troubleshoot IVF performance	James Stanger
01:30 - 02:00 PM	<b>Lunch &amp; Posters</b>	
<b>Lectures</b>		
<b>Chairpersons:</b> Neela Baheti, Bindu Chimote, Rajeev Sharma		
02:00 - 02:20 PM	Connecting the Dots: Early Embryo Parameters as Predictors of Blastocyst Development	Goral Gandhi
02:20 - 02:40 PM	The Human Factor: How Training and Competency Shape IVF Laboratory Performance	Kersi Averi
02:40 - 03:00 PM	From Paper to Pixels: The Role of Electronic Data Management in Tracking IVF Laboratory Performance	Alex Varghese
03:00 - 03:15 PM	Discussion	
<b>Debate</b>		
<b>Judges:</b> M S Srinivas, Sandeep Karunakaran		
03:15 - 03:45 PM	Embryo Utilization Rate or Good-Quality Blastocyst Rate: The More Meaningful KPI in IVF Laboratories?	<b>EUR:</b> Sanketh Dhupal <b>BQR:</b> Rahul Sen
03:45 - 04:00 PM	<b>Tea Break</b>	

## Lectures

**Chairpersons:** Suman Mittal, Rajul Tyagi, Abnish Chandra Tiwari

04:00 - 04:20 PM	The Added Value Question: Measuring Impact of IVF Add-Ons	Rachel Chin
04:20 - 04:40 PM	The Big Picture: Cumulative Live Birth Rate As The Ultimate KPI	Alessandro Bartolacci
04:40 - 04:50 PM	Discussion	
04:50 - 05:40 PM	<p><b>Panel Discussion:</b> Addressing the Crisis : What comes first?</p> <p><b>Panelists:</b> Deepthi Repalle, Sanjeev Maheshwari, Pradeep Kumar, Rajeev Sharma, Manisha Vajpeyee, Sandeep Sharma, Sangeeta Mishra, Dayanidhi Sharma</p>	<p><b>Moderators:</b> Vakil Jagveer Singh Saroj Agarwal</p>
<b>Panchayat</b>		
05:40 - 06:40 PM	<p>Case based Debate:</p> <p><b>Debater:</b> Sanjay Yatnale, Sanketh Dhumal, Akash Agarwal, Vakil Jagveer Singh, Mahiraj Singh Gaur, Urmila Sharma</p>	<p><b>Main Expert:</b> Alex Varghese</p> <p><b>As Expert:</b> Bindu Chimote, Sanjay Shukla, Narendra Gupta, MS Srinivas</p>
06:40 - 07:30 PM	<b>Quiz</b>	<p><b>Quiz Masters:</b> Nancy Sharma, Dwiti Rathod</p>
07:30 PM Onwards	<b>Inauguration Followed by Dinner</b>	

## Saturday | 6<sup>th</sup> June | E-Poster Presentations

Sr No.	Name	Topic
1	Subarna PS	Large refractile bodies in MII oocytes impair ICSI success
2	Saarthak Bakshi	Embryological outcomes evaluation between IVF and ICSI in advanced paternal age patients with normal and subnormal semen parameters: A prospective randomized study
3	Shabana Sheikh	Effect of lifestyle factors (smoking, alcohol, and obesity) on male fertility
4	Bharti Bhardwaj	Impact of maternal age on oocyte yield and IVF outcomes: A retrospective study
5	Sivanambi S	Comparative evaluation of the conversion rate of immature oocytes
6	Madhumita CM	Oocyte cytoplasmic granulation and its association with fertilization and embryo competence in ART cycles
7	Sakshi Sharma	Osmotic stress in IVF culture medium: A hidden determinant of blastocyst formation from mature oocytes
8	Chetna Badyal	Airborne toxicants in IVF laboratories: Influence of VOC-induced stress on embryo competence and chromosomal instability
9	Vedanti Jayantkumar Chirde	Quality in reproductive medicine: Integration of IVF laboratory KPIs and advances in prenatal diagnostics for optimizing pregnancy outcomes
10	Vidhita Sanjeev Gaikwad	Key performance indicators in IVF laboratories: Role in monitoring laboratory efficiency and improving clinical outcomes
11	Gunjan	Interplay of lifestyle and hormonal dysregulation on sperm DNA fragmentation and semen quality in male infertility
12	Jaarvi Roy	Unexpected implantation failure of good-grade embryos and the role of cytoskeletal disruptions
13	Chetna Badyal	Airborne toxicants in IVF laboratories: Influence of VOC-induced stress on embryo competence and chromosomal instability
14	Rachana Bajpai	Assessment of sperm DNA fragmentation across different BMI categories
15	Saarthak Bakshi	Comparison of oral Elagolix and injectable Cetrorelix for pituitary suppression in GnRH antagonist IVF cycles: A pilot comparative study
16	Shaikh Aafreen	The Clinical Conundrum of Oocyte Morphology: Assessing the Impact of Smooth Endoplasmic Reticulum Clusters and Centrally Located Granulation on Developmental Competence

# Sunday | 7<sup>th</sup> June | Sapphire Hall

**Conveners:** Anantha Laksmi, Nidhi Sharma, Kanav Jain

**Co-Conveners:** Kaustabh Joshi, Saloni, Devika V Kumar

Time	Topic	Speaker
08:00 - 09:00 AM	<b>Oral Presentation</b>	
09:00 - 10:00 AM	<b>Round Table:</b> When KPIs Fail: Troubleshooting Poor Lab Performance in Real Time James Stanger, Alex Varghese, Filipa da Silva Barbosa, Deven Patel, Shashi Kumar Sattyanarayan, K. Rajesh Kumar	
<b>Lectures</b>		
<b>Chairpersons:</b> MS Srinivas, Anita Sharma, Bindu Chimote		
10:00 - 10:20 AM	Interpreting KPI Reports: Are We Measuring the Right Performers ?	Mahiraj Singh Gour
10:20 - 10:40 AM	The Competence Continuum: Linking Gamete Quality with Blastocyst Outcomes	Filipa da Silva Barbosa
10:40 - 10:50 AM	Discussion	
10:50 - 11:00 AM	<b>Tea Break</b>	
<b>Lectures</b>		
<b>Chairpersons:</b> Ratna Chattopadhyay, Akash Agarwal		
11:00 - 11:20 AM	Translating Andrology and Embryology EQA performance to give confidence in your staff's gamete and embryos assessment skills	James Stanger
11:20 - 11:40 AM	The Euploid Advantage: Translating PGT KPIs into Implantation Outcomes	Paresh Makwana
11:40 - 12:00 PM	Stability Before Strategy: Infrastructure as Essential Measure to Performance	Sanketh Dhupal
12:00 - 12:15 PM	Discussion	
12:15 - 01:00 PM	<b>Panel Discussion:</b> Ensuring Laboratory Excellence: When and How to Perform Audits in IVF Labs. <b>Panelists:</b> Ashish Sood, Animisha Rasthapuramath, Shashi Kumar Sattyanarayan, Ramdoss S., K. Rajesh Kumar, Nirmal Bhasin, Durai Palaniyandi, Bindu Chimote, Abhishek Shah	<b>Moderators:</b> Sarabpreet Singh, Nidhi Singh
01:00 - 02:00 PM	<b>Lunch</b>	

## Sunday | 7<sup>th</sup> June | Oral Presentations

Sr No.	Name	Topic
1	Rajashree Jena	Pregnancy outcomes in male-factor infertility patients with high sperm DNA fragmentation index following the LensHooke® CA0 centrifugation-free sperm-sorting technique: A retrospective comparative cohort study
2	Prajakta Vaidya	Predictive value of oocyte-cumulus complex quality, oocyte quality, and early cleavage synchrony for embryo morphology and blastulation
3	Gauri Gajabe	Effect of decreased outer dense fibers in semen on sperm quality
4	Gyanendra Pradhan	Role of natural antioxidant extract in improving human sperm survival during freezing and thawing
5	Sangita Mishra	Blastomere diameter heterogeneity and spatial architecture of blastomeres in Day 3 embryos as determinants of embryo developmental competence
6	Neha Dhingra	Comparative evaluation of fresh versus frozen sperm on ICSI outcomes: A retrospective study
7	Isha Maloo	Comparative evaluation of humidified versus dry incubation systems on embryo development and clinical outcomes in IVF cycles

# Sunday | 7<sup>th</sup> June | Amber Hall

**Conveners:** Ritesh Agarwal, Nancy Sharma, Yosheeta Tanwar  
**Co-Conveners:** Prajakta Vaidya, Arshi Babbar, Harsh Jain

Time	Topic	Speaker
09:00 - 10:00 AM	<b>Round Table:</b> Are Current IVF KPIs Misleading? Time to Redefine Benchmarks Juan J Fraire-Zamora, Alessandro Bartolacci, Durai Palaniyandi, Shiwani Tripathi, Deepthi Repalle	
<b>Lectures</b>		
<b>Chairpersons:</b> Deepthi Repalle, Shiwani Tripathi, Abnish Tiwari		
10:00 - 10:20 AM	Managing KPIs in Low-Resource Settings	Ratna Chattopadhyay
10:20 - 10:40 AM	KPI: is it time for a refresh?	Alessandro Bartolacci
10:40 - 10:50 AM	Discussion	
10:50 - 11:00 AM	<b>Tea Break</b>	
<b>Lectures</b>		
<b>Chairpersons:</b> Phalguni Patro, Narendra Gupta, Rajeev Sharma		
11:00 - 11:20 AM	The Final Step in IVF: Evaluating Embryo Transfer Performance	Sandeep Karunakaran
11:20 - 11:40 AM	Benchmarking Your Lab Against Global Standards	Juan J Fraire-Zamora
11:40 - 12:00 PM	Automation, AI & Digital Tools for Performance Improvement ?	Nishad Chimote
12:00 - 12:15 PM	Discussion	
12:15 - 01:00 PM	<b>Panel Discussion:</b> Beyond Numbers: CONNECTING Lab KPIs to Clinical Success <b>Panelists:</b> Isha Gambhir, Nidhi Sharma, Sarthak Bakshi, Sanat Sathpathy, Deepthi Repalle, Shiwani Tripathi, Vanshika Jain, Shreya Agrawal, Poonam Singh	<b>Moderators:</b> Manisha Vajpeyee Sanjay Shukla
01:00 - 02:00 PM	<b>Lunch</b>	

# Workshop | Sunday | 7<sup>th</sup> June

## Sapphire Hall Embryo IQ - Understanding Developmental Competence

**Conveners:** Charudutt Joshi, Nancy Sharma, Mahiraj Singh Gour, Ravikant Soni  
**Co-Conveners:** Shweta Ratnawat, Arshi Babbar, Harsh Jain

Time	Topic	Speaker
<b>Lectures</b>		
<b>Chairpersons:</b> Chandan N, Manisha Chaudhary, Goral Gandhi		
02:00 - 02:20 PM	Is Morphology in Embryo Grading Still a Gold Standard in the Recent Era?	Sanya Kalra
02:20 - 02:40 PM	Common Pitfalls in Embryo Assessment	Nancy Sharma
02:40 - 03:00 PM	Can Embryo Grading Truly Predict Implantation Potential?	Dayanidhi Sharma
03:00 - 03:20 PM	Beyond Morphology: Integrating PGT for precision in embryo selection	Alpesh Patel
03:20 - 03:30 PM	Discussion	
<b>Activity - Case-Based Discussion / Reverse Panel Based: Embryo Grading Scenarios</b>		
03:30 - 04:30 PM	<b>Case-Based Activity:</b> Cleavage Stage 1. Selecting the Best Embryo from Multiple Similar Grades 2. Managing Discordance Between Morphology 3. Clinical Decision-Making When All Are Poor Grade 4. Choosing Between Day 3 vs Day 5 in Abnormal Scenarios 5. Inter-Observer Variations <b>Panelists:</b> Simran Kaur, Yoshita Tanwar, EK Madhan Kumar, V. Lenin Babu, Rajender Sahoo, Gyanendra Pradhan, Alessandro Bartolacci, Rachna Bajpai	<b>Moderator:</b> Charudutt Joshi, Sanjeev Maheshwari
04:30 - 05:30 PM	<b>Case-Based Activity:</b> Blastocyst Stage 1. Live Blastocyst Grading of All Patterns Using High-Resolution Image Sets 2. Blastocyst Scoring Simulation with Consensus 3. Identifying Grading Errors in Real Case Logs 4. Clinical Decision-Making <b>Panelists:</b> Surjeet Bhatia, Filipa da Silva Barbosa, Ekta Thakkar, Ram Dayal, Pooja Awasthi, Siddarth Morvadia, Ritu Gupta, Aditi Shirsat	<b>Moderator:</b> Vijaykumar Chelur, Paresh Makwana

## Amber Hall SPERMx - Beyond Count and Motility

**Conveners:** Hetal K Shukla, Vanshika Jain  
**Co-Conveners:** Priyal Shah, Devika V Kumar, Koustubh Joshi

Time	Topic	Speaker
<b>Lectures</b>		
<b>Chairpersons:</b> Hetal Shukla, K Rajesh Kumar, Manish Jha		
02:00 - 02:20 PM	Do Sperm Morphology Predict Blastocyst Competence?	Ram Prakash
02:20 - 02:40 PM	Oxidative Stress in Sperm: A Neglected Challenge	Rahul Sen
02:40 - 03:00 PM	Male Factor: Underestimated KPI Saboteur?	Yaiphaba Meitei
03:00 - 03:15 PM	Discussion	
<b>WHO 2021 Semen Analysis - Reporting, Interpretation, Clinical Value, ART Strategy Activity</b>		
03:15 - 04:00 PM	<b>DFI Kit Demo</b> <b>Panelists:</b> Deepu Gupta, Rahul Sisodiya	<b>Moderators:</b> Hetal K. Shukla, Priyal Shah
04:00 - 05:00 PM	<b>Video Session - Sperm Selection: Conventional &amp; Advanced</b> <b>Panelists:</b> Vanshika Jain, Devika V Kumar, Koustubh Joshi	<b>Moderators:</b> Bageshree Jhala

# Workshop | Sunday | 7<sup>th</sup> June

## Sop as the Backbone of IVF Lab Quality: Writing Excellence

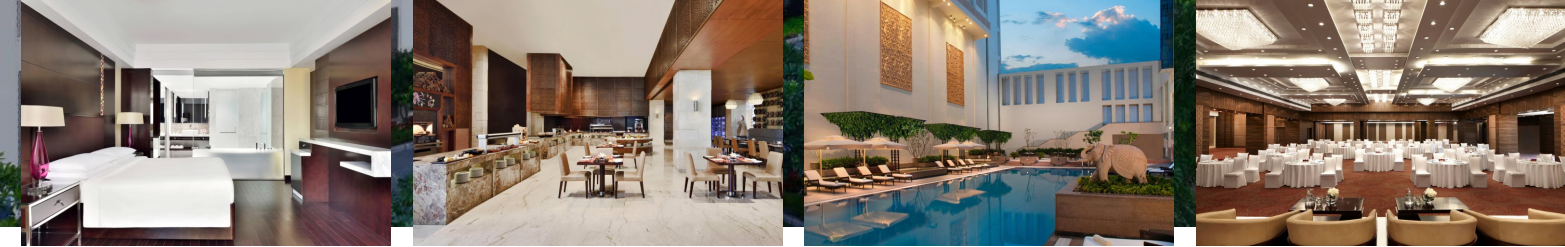
**Conveners:** Deven Patel, Prajakta Vaidya

**Co-Conveners:** Nidhi Sharma, Saloni

Time	Topic	Speaker
<b>Lectures</b>		
<b>Chairpersons:</b> Gunjan Jain, Deven Patel, Prajakta Vaidya		
02:00 - 02:20 PM	The Backbone of Success: The Role of SOP in IVF Laboratory Quality Assurance	James Stanger
02:20 - 02:40 PM	Anatomy of the Perfect SOP: Structure, Clarity and Usability	Akash Agarwal
02:40 - 02:50 PM	Discussion	
02:50 - 03:40 PM	<b>Interactive Activity 1:</b> Writing SOP for Core IVF Procedures <b>Experts:</b> Arth Ladva, Abinash Panigrahi	<b>Moderators:</b> Madhusudhana Rao Sirlapu
	Discussion	
03:40 - 04:30 PM	<b>Interactive Activity 2:</b> Error Simulation and Deviation Writing <b>Experts:</b> Gaurav Mittal, Juan Zamora, Meenu Banot	<b>Moderators:</b> Deven Patel, Simi Sood
	Discussion	
04:30 - 05:20 PM	<b>Interactive Activity 3:</b> Real-World Challenges in SOP Implementation <b>Experts:</b> Atita Shinde, Kanav Jain	<b>Moderators:</b> Chandan N., Nancy Sharma
	Discussion	

Conference Venue

Marriott Hotel  
Jaipur



Nestled in the vibrant heart of the enchanting Pink City, Jaipur Marriott Hotel welcomes you to a harmonious blend of opulence and convenience, curated exclusively for the contemporary traveler. A luxury hotel in Jaipur, India, our refined suites are meticulously crafted, marrying contemporary comforts with timeless elegance.

Stay at our 5 star hotel in Jaipur to enjoy easy access to nearby destinations like Jawahar Circle, the Pink City business district, City Palace and Hawa Mahal. With an array of modern amenities and an exquisite range of dining experiences, Jaipur Marriott Hotel is your ultimate haven, providing solace and rejuvenation after a day of immersive exploration in the captivating landscapes of Rajasthan, India.

**ACADEMIC PARTNERS**



**Conference Secretariat**



**Conferences International**  
B-220/2, Second Floor,  
Opposite Kali Masjid  
Savitri Nagar, New Delhi :110017  
M: +91-76830 09277

[www.microembart2026.com](http://www.microembart2026.com)