



**ASPIRE 11th Masterclass**  
**Four Decades of Preimplantation Genetic Testing**

Thursday - Friday, 3 - 4 October 2024  
 Novotel Ambassador Gangnam Hotel, Seoul, South Korea

Time	Programme Outline	Faculty	Duration
<b>Day 1 - Thursday, 3 October 2024 [Lectures]</b>			
0900 - 0910	Welcome Remarks by Organising Chairman	Keshav Malhotra (India)	10mins
<b>Biology</b>			
0910 - 0930	Quality of Gametes and Impact on Embryo Development to Blastocysts	Sweelian Liow (Singapore)	20mins
0930 - 0950	Origins and Fate of Chromosomal Aberrations in Embryos	Ling Chi (Hong Kong)	20mins
0950 - 1010	Plasticity of the Human Preimplantation Embryo: Developmental Dogmas, Variations on Themes and Self-Correction	Kenji Ezoe (Japan)	20mins
1010 - 1040	Panel Discussion: Embryo Quality & Selection for PGT	All Faculty	30mins
1040 - 1100	<i>Coffee-Break</i>		20mins
1100 - 1120	Paternal and Maternal Contribution to Aneuploidy	Keshav Malhotra (India)	20mins
1120 - 1140	Mosaicism: Classification and Impact in Early Pregnancy Loss	Richard Choy (Hong Kong)	20mins
1140 - 1200	Why Do Euploid Blastocysts Fail to Implant	TBA	20mins
1200 - 1230	Panel Discussion: The Arguments surrounding PGT	All Faculty	30mins
1230 - 1330	<i>Lunch</i>		60mins
<b>Technologies- PGT-A/PGT-M/PGT-P</b>			
1330 - 1350	Biopsy for PGT: Essential Procedures and Techniques	Arthur Chang (Taiwan)	20mins
1350 - 1410	PGT-A and PGT-M /-SR Sequencing Data Analysis	Richard Choy (Hong Kong)	20mins
1410 - 1430	Polygenic Scores and PGT: A Problematic Pairing	TBA	20mins
1430 - 1450	Panel Discussion: PGT Technologies in a Clinical Lab	All Faculty	30mins
1450 - 1510	<i>Coffee-Break</i>		20mins
<b>Controversies and Challenges</b>			
1510 - 1530	Can 1PN and 3PN Embryos Generate Live Birth?	Sweelian Liow (Singapore)	20mins
1530 - 1550	Should PGT-A Be Applied for All Cases?	TBA	20mins
1550 - 1610	Preimplantation Genetic Testing for Aneuploidy in Patients With Low Embryo Numbers: Benefit or Harm?	TBA	20mins
1610 - 1630	Can a Mosaic Embryo Result in a Normal Baby	TBA	20mins
1630 - 1700	Panel Discussion: The Impact of Embryo Biopsy on Obstetric and Neonatal Outcomes	All Faculty	30mins
1700	Closing Remarks	Keshav Malhotra (India)	
<b>1830</b>	<b>Welcome Dinner [All Participants &amp; Faculty - RSVP only]</b>		

Time	Programme Outline	Faculty	Duration
<b>Day 2 - Friday, 4 October 2024 [Lectures + Hands-on Workshop]</b>			
	<b>Open to Debate</b>		
0900 - 0920	Can Non-invasive Approaches Based on Spent Medium Analysis Replace Classical Trophectoderm Biopsy?	TBA	20mins
0920 - 0940	Can Artificial Intelligence Based Approaches Replace PGT-A	Mi Kyung Chung (Korea)	20mins
0940 - 1010	Refreezing and Rebiopsy – Are These Worth It?	Sweelian Liow (Singapore)	30mins
1010 - 1030	<i>Coffee-Break</i>		20mins
1030 - 1050	The Different Biopsy Techniques	Keshav Malhotra (India)	20mins
1050 - 1110	Common Mistakes While Performing an Embryo Biopsy	Krishna Mantravadi (India)	20mins
1110 - 1130	Troubleshooting in Blastocyst Biopsy for PGT	Arthur Chang (Taiwan)	20mins
1130 - 1200	Blastocyst Biopsy - Genetics Lab Perspective	All Faculty	30mins
1200 - 1300	<i>Lunch</i>		60mins
<b>Hands-on Workshop: Biopsy Techniques [Limited registration]</b>			
1300 - 1900	<b>Stations (on rotational basis, 90minutes per station)</b> - Blastocyst Biopsy (with laser) x 2 - Blastocyst Biopsy (without laser) x 2 - Loading Biopsy Sample x 1 - QC & QA (including troubleshooting) - Q&A session x 1		

**Organised by ASPIRE Special Interest Group on Embryology**

*Please note that the programme is subject to change.*