The 12th Congress of Asia Pacific Initiative on Reproduction (ASPIRE 2023)

Pre-Congress Workshop:

Mastering Blastocyst Biopsy (Hands-on workshop)

by Embryology SIG

Learning Outcomes:

This workshop will **focus on the practical handling** of blastocyst biopsy in a routine IVF lab procedure.

With the half-day lectures and half-day hands-on trainings, participants will be able to get an overview of current blastocyst biopsy techniques:

. Learn about different biopsy techniques

. Learn about tubing skills

. Get tips and experience from the experienced biopsy practitioners

. Learn about quality control and troubleshooting for the procedure.

Thursday, 7 September 2023			
LECTURES - 0900 - 1200			
0900 - 0910	Introduction – Biopsy: A Major Factor That Can Impact the Clinical Outcome of PGT (PGT-A)	10mins	
Session One - Formal Lectures | Chaired by Arthur Chang (Taiwan)			
0910 - 0920	Biopsy Procedure and Preparation (Including Biopsy Medium and Biopsy Dish)	10mins	Arthur Chang (Taiwan)
0920 - 0950	The Different Biopsy Techniques	30mins	Keshav Malhotra (India)
0950 - 1005	Common Mistakes While Performing an Embryo Biopsy	15mins	Krishna Chaitanya (India)
1005 - 1030	Blastocyst Biopsy - Genetics Lab Perspective	25mins	Kathryn Gebhardt (Australia)
1030 - 1040	**Coffee Break**	**10mins**	
Session Two - Salon Talks| Chaired by Ling Chi (Hong Kong)			
1040 - 1135	1. Which Blastocyst to Be Biopsied? - Blastocyst Stage and Quality	5mins	Arthur Chang (Taiwan)
	2. Zona Opening - The Different Options and Methods	10mins	Sweelian Liow (Singapore)
	3. Select the Right Biopsy Needle for You and Your Embryos	5mins	Keshav Malhotra (India)
	4. Micromanipulator Set-up - Taking Control of This System	5mins	Ryan Rose (Australia)
	5. How Many Cells Should Be Biopsied? - Perspectives From Embryologist and Genetic Testing Lab	10mins	Cheng Ching-Wen (Taiwan)
	6. Sample Loading - The Critical Step of Biopsy	5mins	
	7. The Timing of Vitrification After Biopsy	5mins	Kenji Ezoe (Japan)
	8. Re-Biopsy and Biopsy of Post-vitrified Blastocyst	10mins	Krishna Chaitanya (India)
Session Three - Panel Discussion| Chaired by Keshav Malhotra (India)			
1135 - 1205	Q&A Panel Discussion	30mins	All Faculty
1205 - 1300	**Lunch**	**60mins**	
HANDS-ON - Mastering Blastocyst Biopsy - 1300 - 1900			
1300 - 1900	**Stations:** Blastocyst Biopsy (with laser) Blastocyst Biopsy (without laser) Loading Biopsy Sample QC & QA (including troubleshooting) - Q&A session	90mins per station	Each participant will have 90mins at each station

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