



# **New Horizons in ART**

**Participate, Plant knowledge**

*The  
ArtHood*

Upper Egypt Assisted Reproductive Symposium

**An International Symposium In The Land of The Pharaohs**



## Embryology and Genetics Workshop

### Workshop “1”

#### Effective Laboratory Management (3.5 hours) Dr. David Mortimer and Dr. Sharon Mortimer

##### 1) Operational Management “Optimizing resource management:”

- \* Time.
- \* Money.
- \* Human resources.
- \* Goodwill and reputation.
- \* How to manage change.

##### 2) System Management:

- \* Pro-active risk management.
- \* Failure Modes and Effective Analysis.
- \* Reduce reactive troubleshooting.
- \* Root Cause Analysis.

##### 3) Problem solving (interactive session)



## Embryology and Genetics Workshop

### Workshop “2”

#### **New Technologies that Improve Success Rates and Healthy Baby at Home: How to Integrate into Practice? Dr. Carlos Simon & Dr. Carmen Rubio**

The workshop will cover:

- \* For the couple: Carrier Screening  
(20 min. +10 questions).
- \* For the embryos: Combined PGS/PGD and Mitoscore  
(20 min. +10 questions).
- \* For the embryos: non-invasive embryo viability assay  
(20 min. + 10 questions).
- \* For the mother: Endometrial Receptivity Array  
(20 min. +10 questions).
- \* For the baby: Non invasive pregnancy test  
(20 min. +10 questions).
- \* If miscarriage occurs, analysis of the product of conception  
(20 min. +10 questions).



## Embryology and Genetics Workshop

### Workshop “3”

#### Vitrification “Tricks and Tips” and An Introduction to Pre-implantation Genetic Testing (3 hours) Dr. Jaffar Ali and Dr. Nabil Arrach

The workshop will cover current technologies available for Pre-implantation Genetic Screening (PGS):

- \* FISH.
- \* Microarray.
- \* Next Generation Sequencing.
- \* Learn the concept and technical specification of each technology.
- \* A side-by-side comparison.
- \* Technical limitation, throughput, cost, and error rate.
- \* Analyze actual PGS cases using array CGH and Next Generation Sequencing.
- \* At the end of the PGT, a quick multiple choice test.
- \* Embryo biopsy.
- \* Oocyte Vit and Thawing.
- \* Cleavage Embryo Vit and Thawing.
- \* Blastocyst Vit and Thawing.
- \* Embryo and blastocyst re-vitrification.
- \* Followed by A hand-on Tricks and Tips.

*At Aida Hall, Marriott El-Zamalek, Cairo, Egypt.*



European Union of Medical Specialists  
European Accreditation Council for Continuing Medical Education  
Institute of the UEMS

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