



## MediCult Fertility School INDIA

[trivector@vsnl.com](mailto:trivector@vsnl.com) , 25621305, 9821420684 (Sangeeta)

### Training Schedule

**Batch :** 28th September - 2nd October 2009

**Chief Faculty :** Dr. Lars Johansson, PhD (Embryology), Consultant Embryologist, MediCult a/s Denmark

**Number of Participants** Per Batch : maximum 6

**Eligibility :** Minimum graduation in life sciences, Microbiology, Medicine , Veterinary Sciences, Genetics, Stem Cells. Nominal work experience or aptitude to work in the field of ART is must.

**Topics :** Hands on Clinical Embryology lab training including Sperm Preparation, Sperm Analysis IVF, ICSI, Assisted Hatching, Vitrification, Quality Control

**Training Fees :** Rs. 60,000 /- (US\$ 1600)

**Training Charges include :** Course Fee, Course Material, (manuals, hand-outs), lab material, all lunches, one gala dinner and tea / coffee

**Training Fees does not include :** Travel, Local Transportation, Hotel Accommodation, Dinners and other sundry expenses of personal nature. We can assist you in booking accommodation in nearby descent hotels (Dreams Residency or Pride) at concessional rates.

**How to register? :** Send an e-mail with your personal details, educational background and the dates convenient to you. The registration is strictly for first 6 candidates who pay 100% fees in advance.

**How to Pay? :** Payment by draft / at-par Cheque favoring Trivector Scientific International to be sent on above address.

**Certification :** A MediCult Fertility School certificate signed by Dr. Lars Johansson and Dilip Patil, CEO of Trivector - mentioning different ART skills learned during training is awarded to successful candidates

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### Detailed Schedule

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#### Day 1

- 09.00-09.30      **Introduction. Presentation of staff and participant. Tour of laboratory**
- 09.30-12.00      **Total quality management (TQM) in ART**
- Sperm production
  - Semen analysis
  - Sperm Preparation
- 12.00-12.30      **Lunch , *Lecture room***
- 12.30-17.30      ***Hands on***
- 12.30-15.00      **Group 1:**
- Semen analysis / Semen preparation - *laboratory*
- Group 2:**
- QA equipment – *lecture room*
- 15.00-17.00      **Group 1:**
- QA equipment – *lecture room*
- Group 2:**
- Semen analysis / Semen preparation – *laboratory*
- 17.00-17.30      **Questions / Summary**

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### Day 2

- 09.00-12.00 **Female reproductive system**
- Ovulation cycle
  - Stimulation protocol
  - Egg collection
- IVF:**
- Handling of oocytes
  - Insemination
  - Fertilization control – denudation
- ICSI techniques:**
- Equipments
  - Denudation
  - Oocyte maturation
  - Injection techniques
  - Fertilization check
- 12.00-12.30 **Lunch – lecture room**
- 12.30-17.30 **Hands on**
- 12.30-14.00 **Group 1+2:**
- Evaluation of COC / Oocytes / Fertilization – *Lecture room* – presentation
- 14.00-17.00 **Group 1+2:**
- Egg collection / IVF-insemination / Denudation–IVF / ICSI-laboratory (Sangeeta / Lars)

### Day 3

- 09.00-11.00 **Embryo Scoring (D2-D5) - parameters**
- Selection of embryos for embryo transfer (ET) – Criteria
  - Assisted Hatching (HA) – Embryo transfer (ET) – Techniques
- 11.00-12.00 **Group 1+2: lecture room + lab**
- Demo: AH + ET + Sperm Immobilization + ICSI
- 12.00-12.30 **Lunch – Lecture room**
- 12.30-17.00 **Group 1+2:**
- ET – *Lab*
- Group 1+2:**
- Sperm Immobilization + ICSI – *Lab* (Sangeeta / Lars)
- 17.00-17.30 **Questions – Summary**

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### Day 4

- 09.00-10.30    **Cryobiology**
- Selection Criteria
  - Slow freeze contra vitrification
  - Testicular tissue / Sperm
  - Oocytes / Embryos / Blastocysts
- 10.30-12.00    **Demo:**
- Group 1+2: Slow freeze / Vitrification
- 12.00-12.30    **Lunch** – *Lecture room*
- 12.30-17.00    **Hands on**
- Group 1+2:
- Slow freeze / Vitrification

### Day 5

- 09.00-13.00    **Group 1+2:**
- ICSI + Cryo – *lab*
- 13.30-14.30    **Lunch** – *Lecture room*
- 14.30-17.00    **ReproSoft**
- Evaluation / test / Certification
  - Discussion forum
  - Final remarks
- 17.00-17.30    **Questions – Summary**