



MediCult Fertility School INDIA
trivector@vsnl.com , 25621305, 9821420684 (Sangeeta)

Training Schedules (I)

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\$ 1500)

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

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)

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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



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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**