

# 1 - Advanced ART course for Embryologist

**Duration: 30 days**  
**Timing: 10:00 am to 4:00 pm**  
**Course Fee: Rs 1,00,000**

## Teaching syllabus

- 1- Introduction to lab
- 2- IVF Lab setup , disposables & equipments
- 3- IVF Lab SOPs
- 4- Semen analysis & preparation techniques
- 5- Sperm function tests
- 6- Culture system
- 7- Ovum pickup, screening, conventional insemination, ICSI and Embryo transfer
- 8- Oocyte and Embryo Grading
- 9- Micromanipulation
- 10- Cryopreservation- principal & protocol
- 11- Comparison of different vitrification media & protocol
- 12- Surgical sperm retrieval
- 13- Genetics in ART
- 14- Advances in ART Lab

S. No	Hands-on	Day
1	Introduction to lab	1
2	IVF Lab equipments & functions	1
3	IVF Lab SOPs	2
4	Media incubation & dish preparation	3
5	Semen analysis, preparation techniques & Sperm function tests	4 - 7
6	Re screening OPU dishes, gamete handling	8 - 15
7	Oocyte and Embryo Grading	8 - 15
8	Micromanipulation	16 - 20
9	Cryopreservation - sperm , oocyte & embryo	21 - 26
10	Time lapse system	27 - 30

## Study Material

- 1- Books in pen drive
- 2- PPTs in pen drive

**Your hard work will be rewarded with the “ Certificate of course completion “.**

## 2 - Advanced ART course for Embryologist (Short)

**Duration: 14 days**  
**Timing: 10:00 am to 4:00 pm**  
**Course Fee: Rs 50,000**

### Teaching syllabus

- 1- Introduction to lab
- 2- IVF Lab setup , disposables & equipments
- 3- IVF Lab SOPs
- 4- Semen analysis & preparation techniques
- 5- Sperm function tests
- 6- Culture system
- 7- Ovum pickup, screening, conventional insemination, ICSI and Embryo transfer
- 8- Oocyte and Embryo Grading
- 9- Micromanipulation
- 10- Cryopreservation- principal & protocol
- 11- Comparison of different vitrification media & protocol
- 12- Surgical sperm retrieval
- 13- Genetics in ART
- 14- Advances in ART Lab

### Hands on

S. No	Hands-on	Day
1	Introduction to lab	1
2	IVF Lab equipments & functions	1
3	IVF Lab SOPs	2
4	Media incubation & dish preparation	2 - 3
5	Semen analysis, preparation techniques & Sperm function tests	2 - 3
6	Re screening OPU dishes, gamete handling	3 - 7
7	Oocyte and Embryo Grading	3 - 7
8	Cryopreservation - sperm , oocyte & embryo	3 - 7

**Note: This course will not include Micro manipulation and Time Lapse System**

### Study Material

- 1- Books in pen drive
- 2- PPTs in pen drive

**Your hard work will be rewarded with the “ Certificate of course completion”.**

### 3 - Basic Andrology lab training & semen preparation techniques

**Duration: 7 days**  
**Timing: 10:00 am to 4:00 pm**  
**Course Fee: Rs 25,000**

#### Teaching syllabus

- 1- Introduction to lab
- 2- IUI/ IVF Lab setup , disposables & equipments
- 3- IVF Lab SOPs
- 4- Semen analysis & preparation techniques
- 5- Sperm function tests

#### Hands on

S. No	Hands-on	Day
1	Introduction to lab	1
2	IUI/ IVF Lab equipments & functions	1
3	IVF Lab SOPs	2
4	Media incubation & dish preparation	3 -7
5	Semen analysis, preparation techniques & Sperm function tests	3 -7

#### Study Material

- 1- Books in pen drive
- 2- PPTs in pen drive

**Your hard work will be rewarded with the “ Certificate of course completion “.**

## 4 - Advance course in cryopreservation

**Duration: 3 days**  
**Timing: 10:00 am to 4:00 pm**  
**Course Fee: Rs 25,000**

### Teaching syllabus

- 1- Cryopreservation- principal & protocol
- 2- Comparison of different vitrification media & protocol

### Hands on

S. No	Hands-on	Day
1	Cropreservation - Media & Disposables	1
2	Cryopreservation procedure	1 -3

### Study Material

- 1- Books in pen drive
- 2- PPTs in pen drive

**Your hard work will be rewarded with the “ Certificate of course completion “.**

## 5 - Advance training in ICSI technique

**Duration: 3 days**  
**Timing: 10:00 am to 4:00 pm**  
**Course Fee: Rs 40,000**

### Teaching syllabus

- 1- Introduction to lab
- 2- ICSI Lab setup , disposables & equipments
- 3- Setting up micro-manipulator
- 4- ICSI Technique

### Hands on

S. No	Hands-on	Day
1	ICSI - Setup	1
2	ICSI procedure	1 -3

### Study Material

- 1- Books in pen drive
- 2- PPTs in pen drive

**Your hard work will be rewarded with the “ Certificate of course completion “.**



This is to certify that

***Dr. Amrita Tiwari***

has successfully completed a course on

***Advanced Course in Clinical ART***

at Akanksha IVF Centre, Mata Chanan Devi Hospital, New Delhi, INDIA.

from 8<sup>th</sup> March to 7<sup>th</sup> April 2018

**Dr. Kanad Dev Nayar**  
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Director  
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