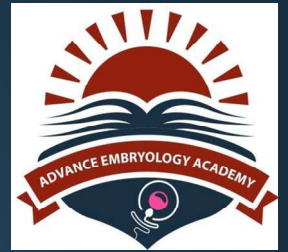


ADVANCE EMBRYOLOGY ACADEMY - AEA

Cell to Success



CERTIFICATE COMPREHENSIVE SKILL ENHANCEMENT COURSES IN ASSISTED REPRODUCTIVE TECHNOLOGY (ART)

 www.advea.in

Message from **Course Dean**

After spending more than two decades in the field of ART, I firmly believe I have a moral obligation to share my knowledge with aspiring and practicing ART professionals who wish to learn and grow. I am pleased to present AEA and its value-based skill enhancement training modules. AEA is equipped with ultra-modern facilities, offering candidates real hands-on experience in a highly advanced environment. Our vision is to become a world-class teaching academy, shaping a promising future for young ART aspirants and working professionals. We work with a mission to impart futuristic, high-quality Education—molding candidates into globally competent, empowered ART specialists with the professional expertise needed to excel in their careers.



Dr. Ved Prakash

Message from **Chairman**

AEA is a new endeavor that I have initiated to develop high-quality skill enhancement training programs.

Working professionals from key areas of ART—such as clinicians, embryologists, counselors, andrologists, andrology lab technicians, or fertility nurses—can take up modules of this Course as per their individual needs.

I warmly welcome you all to be a part of this training program, and I assure you that it will add significant value and credibility to your professional career.



Dr. Paritosh Shekhar – PhD

TEACHING EXCELLENCE

To be a successful professional in the field of ART, one must possess efficiency, skill, and gentleness — qualities that AEA aims to nurture and develop.

Candidates will experience a real-world working environment in a top-class laboratory equipped with advanced instruments. Our skilled faculty will guide and assist participants in building in-depth knowledge in the field of ART.

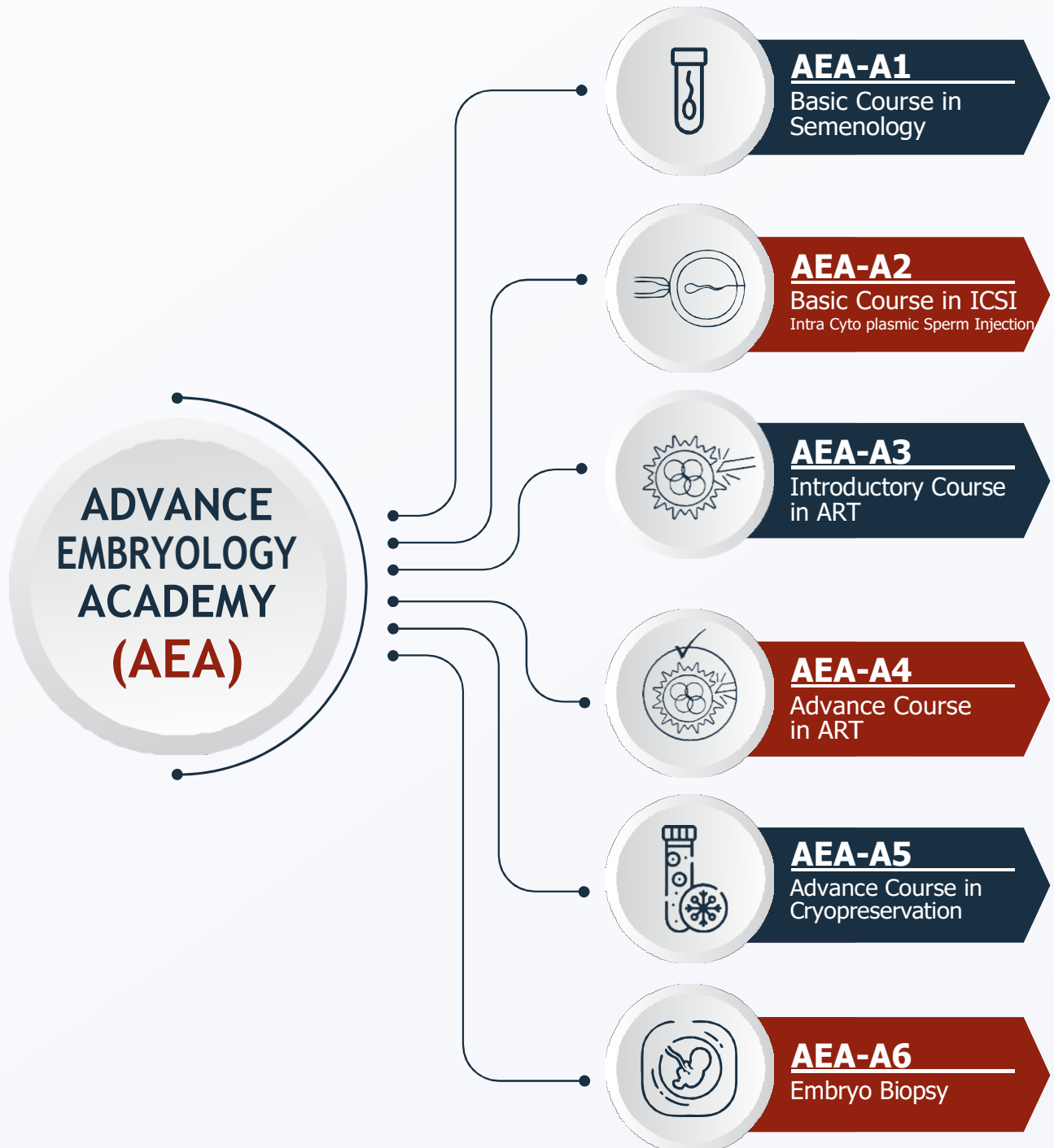
Postgraduates in any branch of life sciences or medical graduates are eligible to enroll in these courses. Candidates with a recognized postgraduate degree in Obstetrics and Gynecology who have completed the *Fundamentals of Reproductive Medicine* course are also eligible.

An equivalent qualification will be considered for international candidates; however, completion of the *Fundamentals of Reproductive Medicine* course is mandatory.

A certificate and comprehensive course material will be provided upon successful completion of the course. Our two different training sets comprise various skill enhancement modules tailored to different professional roles.



SET-1



AEA-A1

Basic Course in Semenology

This course is designed for beginners to provide insight of Semenology.

Methodology of Training

- ✓ Semen analysis as per WHO standard
- ✓ Sperm Morphology and Vitality test
- ✓ Sperm Function test [HOS test, sperm survival test]
- ✓ Basic Sperm preparation methods
- ✓ Sperm DNA fragmentation test



Course Duration
3Days



Course Fees
20,000INR+18%GST
300USD+18%GST

AEA-A2

Basic Course in ICSI-Intra Cytoplasmic Sperm Injection

This course is designed to learn all technical aspects of ICSI.

Methodology of Training

- ✓ Basic instrumentation–Inverted microscope and micro manipulator
- ✓ Micro manipulation setup
- ✓ Gamete handling and preparing ICSI dish
- ✓ ICSI procedure
- ✓ Sperm preparation from surgically retrieved sperm [TESE / TESA / PESA / MESA]



Course Duration
5Days



Course Fees
30,000INR+18%GST
350USD+18%GST

AEA-A3

Introductory Course in ART

The aim of the course is to equip the candidates to work competently in IVF laboratory by providing them with essential theoretical and practical knowledge in human embryology.

Methodology of Training

- ✓ Basic to advanced semen analysis, Sperm preparation techniques for IUI and IVF
- ✓ Media handling, storage and maintenance
- ✓ Dish preparation for IVF and ICSI
- ✓ Gamete and embryo handling and transferring from dishes
- ✓ IUI catheter loading
- ✓ Embryo loading in catheter for embryo transfer
- ✓ Learning about micromanipulator & alignment of needles
- ✓ Sperm immobilization and ICSI procedure
- ✓ To learn about Total Quality Management System



Course Duration
5Days



Course Fees
60,000INR+18%GST
700USD+18%GST

AEA-A4

Advance Course in ART

An extension to introductory course in ART this module facilitate candidate to visit IVF center to observe real lab functioning. The special feature of this module is intense hands on training and one to one interaction with faculty.



Course Duration
30Days



Course Fees
1,00,000INR+18%GST
1200USD+18%GST

AEA-A5

Advance Course in **Cryo preservation**

This course covers theoretical and practical aspects of sperm and embryo cryo preservation.

Methodology of Training

- ✓ Sperm freezing
- ✓ Embryo freezing by vitrification method
- ✓ Cryo media handling
- ✓ Cryo tank handling



Course Duration
3Days



Course Fees
23,000INR+18%GST
300USD+18%GST

AEA-A6

Embryo Biopsy

To provide a comprehensive overview of embryo biopsy techniques and consider the various approaches to genetic analysis. The workshop will explore methods for Trophectoderm biopsy.

Methodology of Training

- ✓ Candidate who are well versed with ICSI technique
- ✓ Candidate who has experience handling laser
- ✓ Lab preparation for biopsy
- ✓ Theory of PGT-Pre implantation Genetic Testing
- ✓ Tubing
- ✓ Sending samples to Genetic lab



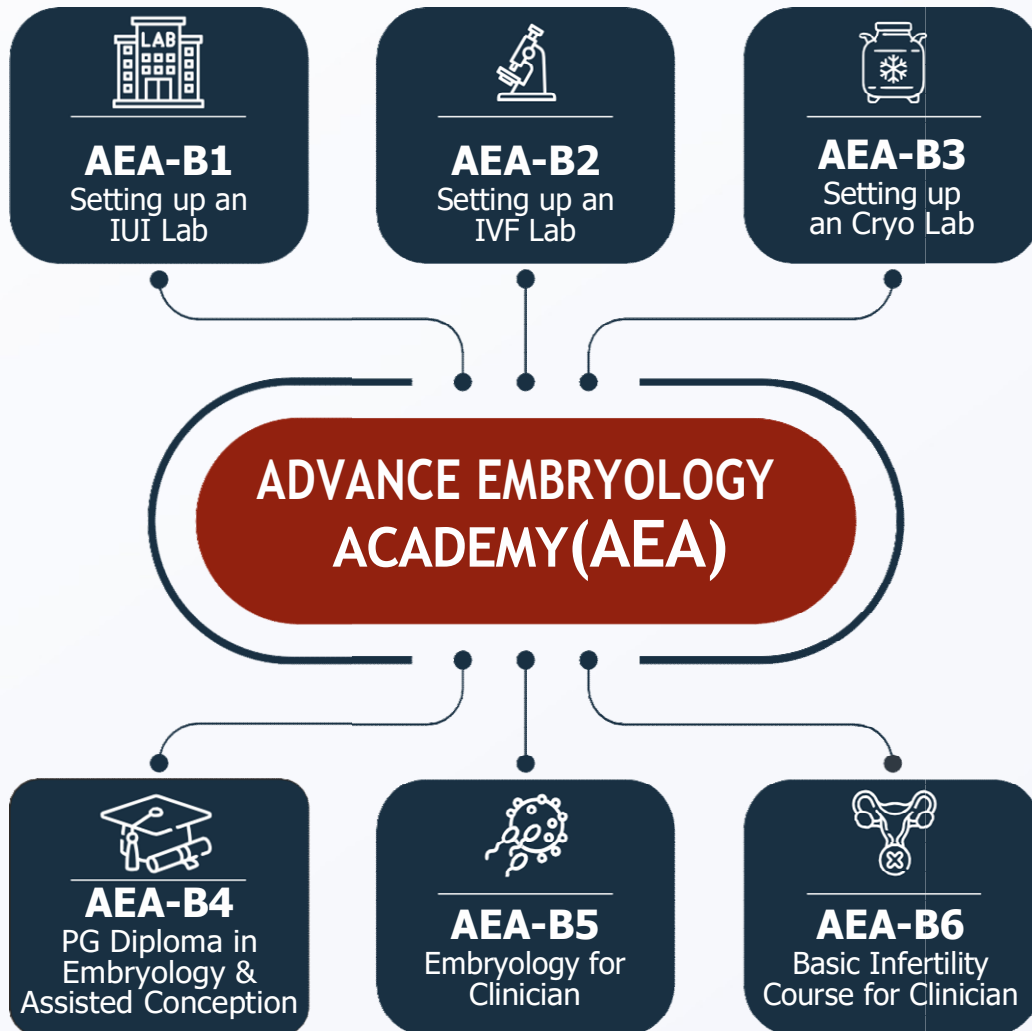
Course Duration
5Days



Course Fees
1,25,000INR+18%GST
1500USD+18%GST

SET-2

The training modules offer both comprehensive and cutting-edge instruction in the field of In-Vitro Fertilization (IVF), equipping ART professionals with the knowledge and expertise required for day-to-day clinical practice.





AEA-B1

Setting up an **IUI Lab**

AEA offers comprehensive IUI lab set up and Andrology procedure training.

Methodology of Training

- ✓ IUI lab designing
- ✓ Instrument, disposables and media requirements for an IUI lab set up
- ✓ Total Quality Management System
- ✓ Theory and practical knowledge about semen analysis and basic sperm preparation methods



Course Duration
2Days



Course Fees
20,000INR+18%GST
250USD+18%GST

AEA-B2

Setting up an **IVF Lab**

AEA offers comprehensive IVF lab set up and embryology procedure training.

Methodology of Training

- ✓ IVF lab designing
- ✓ Instrument, disposables and media requirements for an IVF lab set up
- ✓ Total Quality Management System
- ✓ Theory and practical knowledge about semen analysis and sperm preparation methods
- ✓ Theory and practical knowledge about oocyte and embryo grading, embryo handling, embryo freezing



Course Duration
4Days



Course Fees
35,000INR+18%GST
450USD+18%GST





AEA-B3

Setting up an **Cryo Lab**

AEA offers comprehensive IVF-Cryo lab setup and vitrification procedure training.

Methodology of Training

- ✓ IVF Cryo lab designing
- ✓ Instrument, disposables and media requirements for an IVF Cryo lab set up
- ✓ Total Quality Management System
- ✓ Theory and practical knowledge about Cryo preservation
- ✓ Theory and practical knowledge about embryo grading, embryo handling and embryo freezing
- ✓ Theory and practical about semen freezing



Course Duration
4Days



Course Fees
20,000INR+18%GST
250USD+18%GST

AEA-B4

Post Graduation Diploma in **Embryology and Assisted Conception**

AEA offers university affiliated full-time one-year Diploma in Embryology. This certificate course includes interactive lectures, small group learning, seminars and assignments, demonstration, laboratory rotations, hands-on training on lab equipment.

Methodology of Training

- ✓ Basic knowledge about semen analysis, basic to advanced sperm preparation and sperm DNA fragmentation
- ✓ Basic knowledge about setting up an IVF lab, gamete handling, oocyte grading, embryo grading, Fertilization methods-conventional IVF and ICSI, embryo culture till blastocyst, embryo freezing and embryo transfer, Basic knowledge about embryo biopsy and Total Quality Management System



Course Duration
1Year



Course Fees
3,00,000INR+18%GST
3600USD+18%GST





AEA-B5

Embryology for Clinician

It is essential for all practicing fertility clinicians to understand the basics of embryology. This three-day course will provide valuable insights into all key embryological procedures, enabling better collaboration and joint decision-making in the IVF

lab. Methodology of Training

- ✓ Semen analysis and its interpretation
- ✓ Basic to advance sperm preparation and selection technique
- ✓ Oocyte and Embryomorphology assessment
- ✓ Gamete and embryo freezing
- ✓ Embryo loading on transfer catheter
- ✓ Documentation and auditing
- ✓ Factors that affect IVF outcome



Course Duration
3Days



Course Fees
30,000INR+18%GST
350USD+18%GST

AEA-B6

Basic Infertility for Clinician

AEA offers one-week training program for clinicians. This program helps to improve their skills and make betterment in their regular practice.

Methodology of Training

- ✓ Evaluation of male and female infertility
- ✓ IUI-concept to practice
- ✓ When to refer couple for an IVF
- ✓ Ovulation induction for an IUI and IVF cycle
- ✓ Design and setup of IUI lab
- ✓ Hands on practice for oocyte pickup on a stimulator
- ✓ Mock embryo transfer and embryo loading on catheter
- ✓ Brief understanding about embryological lab procedures



Course Duration
5Days



Course Fees
50,000INR+18%GST
600USD+18%GST



Unique Features



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Cell to Success



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