



**MHproct**  
MASTER HEALTH PRO

*Empowering Healthcare*



Six Months Masters Course in

# Embryology Laboratory

# About Us



MasterHealthPro (MHP) is the world's First AI Powered Technology Platform for Healthcare Empowerment delivering curated & specialized online courses for doctors, healthcare professionals and individuals as well.

MHP provides high quality and evidence-based courses designed and delivered by World renowned medical professionals.

MHP has been promoted by Mindlogicx ([www.mindlogicx.com](http://www.mindlogicx.com)), the global Knowledge Engineering company with about two decades of experience in technology product design & development.



# Course Introduction

This online course will provide easily accessible and evidence-based content in the field of basic and advanced ART laboratory techniques. This course offers a common knowledge set appropriate for the broad range of healthcare professionals involved in the treatment of the infertile couple that proceeds to ART.

## Learning Outcomes

- Comprehensive knowledge of infertility, its treatment options and ART
- Extensive knowledge on the process of human embryology and its nuances
- Theoretical and practical knowledge on all aspects of semen preparation for IUI and IVF







## Course Directors



**Dr. S S Vasan**

Uro-Andrologist & Medical Director,  
Ankur Healthcare, Bangalore



**Ms. Jayalakshmi**

Senior Embryologist,  
Ankur Healthcare, Bangalore

## Who should take up this course?

Reproductive Endocrinologists, Infertility Specialists, Andrologists, Urologists,  
Diabetologists, General Physicians, MBBS Students, IVF Lab Managers, Nurses,  
Prospective Embryologists

**Course Fee : Rs.50,000**







# Curriculum

UNIT  1	Cell Biology of Embryology
	<ul style="list-style-type: none"><li>• Oogenesis</li><li>• Spermatogenesis</li><li>• Embryogenesis</li></ul>
	Setting Up an ART Lab
	<ul style="list-style-type: none"><li>• Clean Air System</li><li>• Incubators</li><li>• Laminar Air Flow System</li><li>• Microscopes</li></ul>

UNIT  2	Introduction to IVF and ICSI Procedures
	<ul style="list-style-type: none"><li>• <b>Media</b> Contents of Media Handling of Media</li><li>• <b>Usage</b> Disposables Types of Disposables</li></ul>
	Preparing Lab for the ART Procedures
	<ul style="list-style-type: none"><li>• Particulate Check</li><li>• VOC level Check</li><li>• pH Check</li><li>• Temperature Check</li><li>• CO2 Check</li><li>• Sperm Survival Test</li></ul>

UNIT  3	Sperm Preparation Techniques for IVF and ICSI Procedures
	<ul style="list-style-type: none"><li>• Simple Wash</li><li>• Density Gradient</li><li>• Swim Up Technique</li><li>• Retrograde Ejaculate Sample Processing</li></ul>

UNIT  4	ART Procedures and Preparation
	<ul style="list-style-type: none"><li>• OPU</li><li>• IVF</li><li>• Denudation</li><li>• Oocyte Morphology</li><li>• ICSI</li><li>• Fertilization Check and Zygote Scoring</li></ul>

UNIT  5	Cryopreservation Procedures
	<ul style="list-style-type: none"><li>• Oocyte Vitrification</li><li>• Embryo Vitrification</li><li>• Blastocyst Vitrification</li></ul>
	Warming Procedures
	<ul style="list-style-type: none"><li>• Oocyte Warming</li><li>• Embryo Warming</li><li>• Blastocyst Warming</li></ul>

# Certificate Sample



**CERTIFICATE**

This is to certify that ..... has successfully completed the  
**Masters Course** in ..... on .....

.....  
**Dr. SS Vasan**  
Program Director, MasterHealthPro

.....  
**Dr. Rupin Shah**  
Course Director, MasterHealthPro

.....  
**Dr. Peter HC Lim**  
Course Director, MasterHealthPro

.....  
**Dr. Rajshekhar Brahmabhatt**  
Course Director, MasterHealthPro

.....  
**Dr. Mohammad Shamsul Ahsan**  
Course Director, MasterHealthPro

.....  
Director, MasterHealthPro

  



Verify the authenticity of this certificate at: <https://masterhealthpro.com/certificate/verification/MHPR00123>

