

### Course Coordinating Team

Course Coordinator : Dr. Renu Shahrawat  
Course Co-Coordinators : Dr. Chetna Chouhan  
Dr. Geetanjal Singh  
Course Associate : Dr. Rekha Meena



### About the Institute

The National Institute of Health and Family Welfare is a premier autonomous Institute, funded by the Ministry of Health and Family Welfare, Government of India. It has kept pace with the new thinking and substantially contributed to the health human resource development in the country.

NIHFW serves as an apex “technical institute” as well as a “think tank” to promote national health and family welfare programmes in the country through education and training, research and evaluation, consultancy and advisory services, specialised projects, etc.

### Location of the Institute

NIHFW is situated in South Delhi, near Jawaharlal Nehru University & Munirka DDA Flats. It is easily accessible from both the Indira Gandhi International Airport and the New Delhi Railway Station approximately 7 km and 15 km respectively. Pre-paid taxis/ Ola/ Uber/ autorickshaws are available.

### Course Fee

The course fee is Rs. 5000/- per participant, payable online or by Bank Draft/RTGS/NEFT as per the details given below:

Name of the beneficiary : Director NIHFW  
Bank Name & Branch : SBI, NIHFW,  
Munirka, New Delhi  
Account No. : 10932790787  
IFSC Code No. : SBIN0001624  
Branch Code No. : 01624  
MICR Code No. : 110002429

The participants need to register using the Google form provided in the registration link given below and the payment receipt details must also be uploaded in the Google form.

### Registration Link:

<https://forms.gle/e2NhUqgEHPfyTKwe9>

### Last Date for receiving Nominations

**25<sup>th</sup> November 2023**

(Participants are requested to make their travel plans on receipt of confirmation from NIHFW)

### Further Correspondence to be addressed to:

**Prof. Renu Shahrawat**

*Course Coordinator*

The National Institute of Health and Family Welfare,  
Munirka, New Delhi-110067

Email: [ctr@nihfw.org](mailto:ctr@nihfw.org)

Phone nos: 2616 5959/2616 6441/2618 8485/  
26107773 Ext. 230/103/195

Fax 91 11-2610 1623

# Training Course on Basic Management of Infertility for Healthcare Professionals

**4<sup>th</sup> - 6<sup>th</sup> December 2023**



आरोग्यम् सुखसम्पदा

**Clinic, RBM Department  
The National Institute of Health and Family  
Welfare, Munirka, New Delhi 110067**  
Web Site: [www.nihfw.org](http://www.nihfw.org)

## Introduction

According to the Indian Society of Assisted Reproduction, infertility currently affects about 10 to 14 percent of the Indian population, with higher rates in urban areas where one out of six couples is impacted. Nearly 27.5 million couples actively trying to conceive suffer from infertility in India. This training programme is proposed to build the capacity of health care providers to provide the basic management of infertility.

## General Objectives

To enable the health care professionals in developing the competencies in basic management of infertility among infertile couples at the health facilities.

## Specific Objectives

At the end of the training course, the participant would be able to:

1. Enumerate important points in couple history.
2. Elucidate and identify the male and female factors responsible for infertility.
3. List the steps in the clinical evaluation of infertility.
4. Explain the management of most common causes of male & female infertility.
5. Demonstrate the skills & techniques of immunology in reproduction (Post-Coital Test, Sperm-Mucus Interaction Test & detection of Antisperm-Antibodies)
6. Demonstrate the skills & techniques in Semenology (including Semen Biochemistry and germ cell morphology) and Semen preparation for IUI.
7. Explain the importance of counseling in the management of the infertile couple.

## Course Content

The course is intended to cover the following topics-

### Lecture discussion based:

1. Female and male reproductive physiology
2. Understanding infertility and its causes
3. Clinical work-up of infertile couple
4. Basic management of infertility including ovulation induction protocols and overview of assisted reproductive technology
5. Counseling for stress management and early depression

### Laboratory demonstration based:

1. Semen Analysis
2. Sperm live/dead staining
3. Semen Biochemistry
4. Germ Cell Morphology
5. Post-Coital Test
6. Sperm-Mucus Interaction Test
7. Anti-sperm Antibody Test
8. Semen preparation for IUI

## Methodology

The following training methods would be used during the course-

1. **Lecture/Discussion:** These sessions would be utilized to brief the participants on female and male reproductive physiology, infertility and its causes, history-taking, examination of infertile couple, management of female & male infertility and counseling of infertile couple for stress & early depression.
2. **Demonstration:** The participants would be taken to various laboratories in the Department for the practical demonstration.
3. **Role Play:** The participants would participate in role play to understand the process of counseling.

4. **Case Discussion:** The participants would be given detailed history & examination findings along with investigation reports of case-studies pertaining to different causes of infertility followed by case discussion.

## Duration & Venue

**Duration** - 4<sup>th</sup> to 6<sup>th</sup> December 2023

**Timing** - 09:00 AM to 5.00 PM

**Venue** - Teaching Block, The National Institute of Health and Family Welfare, Munirka, New Delhi, India

## Nature of Participants

Service providers (MBBS and/or postgraduates) employed in the state health facilities at district level and below, faculty/ residents/ medical officers in Medical College or Public/Private health facilities from departments of Obstetrics & Gynecology/ Medicine/ Surgery/ Pathology, health care professionals working in the Defence forces (Army, Air Force, Navy, Coast Guards), Paramilitary Forces (CRPF, CISF, ITBP, BSF, SSB, BSF, AR) of India and other organizations such as ESI, Railways, etc.

## Travelling, Boarding & Lodging

Travelling, boarding & lodging expenses have to be borne by the participants or the sponsoring organization. Participants will be provided with the basic hostel accommodation at a nominal rate within the Institute's Campus on request.

## Training Outcome

The training will be helpful in the capacity building of health care professionals in developing the clinical acumen in basic management of infertility.