



### About the Institute

The NIHFW, an autonomous organization, under the Ministry of Health and Family Welfare, Government of India, acts as an 'apex technical institute' as well as a 'think tank' for the promotion of health and family welfare programs in the country. The post-graduate education, training, research, evaluation, consultancy and advisory services in the field of health and family welfare have been a major focus of the institute. In order to facilitate continuous up-gradation of knowledge and skills of various health personnel across the country, the NIHFW has been conducting training courses in different areas at regular interval. In this endeavor, the Department of Reproductive Biomedicine, NIHFW proposes to conduct a "Virtual training course on Advanced Reproductive Biomedicine Techniques for medical officers/faculties/ researchers" from August 11<sup>th</sup>- 13<sup>th</sup>, 2021.

### Course Coordinating Team

Course Coordinator : Dr. S. Ramachandra Rao  
Course Co-Coordinator: Dr. Rajesh Kumar  
Course Associates : Ms. Poonam Sharma  
Dr. Vikram Singh  
Mrs. Shikha Saini

### Course Fee

There is a course fee of **Rs. 1000/-** per participant which can be paid by only online banking. The bank details are as follows:

Name of the beneficiary: **Director, NIHFW**  
Bank Name& Branch : **SBI,NIHFW, Munirka, New Delhi**  
Account No. : **10932790787**  
IFSC Code No. : **SBIN0010439**  
Branch Code No. : **10439**  
MICR Code No. : **110002429**

### Further Correspondence to be addressed to:

**Dr. S. Ramachandra Rao**

**Course Coordinator**

**(Reader and Acting Head)**

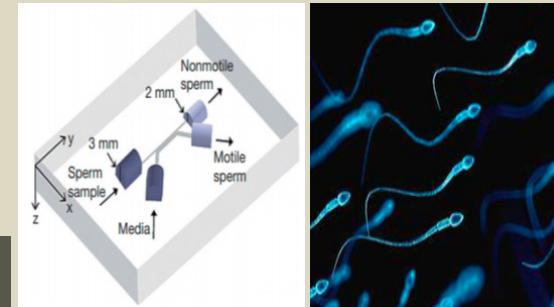
**Department of Reproductive Biomedicine**

**The National Institute of Health and Family Welfare, Baba Gangnath Marg  
Munirka, New Delhi-110067**

**[srrao@nihfw.org](mailto:srrao@nihfw.org), Mobile: 7780161519**

## VIRTUAL TRAINING COURSE ON ADVANCED REPRODUCTIVE BIOMEDICINE TECHNIQUES FOR MEDICAL OFFICERS /FACULTY/ RESEARCHERS

**August 11-13, 2021**



**Department of Reproductive Biomedicine  
The National Institute of Health & Family Welfare  
Baba Gangnath Marg, Munirka  
New Delhi-110 067**

**<http://www.nihfw.org>**

## Introduction

According to the Indian Society of Assisted Reproduction, infertility currently affects about 10 to 14 per cent 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. Assisted Reproductive Technologies (ARTs) have been developed to overcome infertility, which are particularly helpful in case of male infertility. This training course is proposed to build the capacity of healthcare providers by introducing the advances taken place in reproductive biomedicine to address the issues of infertility.

## General Objective

To impart knowledge to participants on advanced reproductive biomedicine techniques.

## Specific Objectives and course contents

1. Introduction and Importance of various advanced techniques in Reproductive Biomedicine for infertility management.
2. Real-time PCR/RT-PCR in infertility studies.
3. Role of medical officers in dealing with infertile couples visiting the healthcare facility for treatment.
4. Describe the techniques in semenology such as sperm count, motility, viability, sperm and germ cell morphology, CASA, evaluation of cervical mucus and Post-coital test.

5. Microfluidics techniques in sorting of functional and motile sperm.
6. Quality assurance in healthcare/laboratory facilities.
7. Biomedical Waste Management 2016 Guidelines & Amendments 2018 & 2019.

## Methodology

The course will be conducted online in real time. After payment of course fee & Registration, a **Google Meet link** will be shared with the participants to join the session. The course consists of interactive learning through lectures and discussions on important areas in the field of advanced reproductive biomedicine techniques.

## Duration and Schedule of Training course

Three days online mode. Three sessions will be conducted daily (10:00 AM to 3:30 PM)

## Number & nature of participants

Approximately 25-30 participants which are medical officers, faculty, residents, and researchers associated with reproductive health from various medical colleges, health care facilities from Governmental & private sectors across India.

## Remarks

The training is unique as no institute in the country is providing the above mentioned training for the healthcare professionals working in the area of infertility management.

## Training Outcome

The healthcare professionals, who attend the training, will gain the knowledge and rich experience on advances in reproductive biomedicine techniques to address the issues of reproductive health.

## How to apply

Application via email may be sent to Dr. Vikram Singh, (E-mail: drvikram@nihfw.org), Ms. Poonam Sharma (E-mail: poonamsharma@nihfw.org), Course Associate, Department of Reproductive Biomedicine, The National Institute of Health and Family Welfare, Munirka, New Delhi-110067 (Telephone Nos. 26165959, Ext. 331, 233 Mobile: 9891122681, 7780161519, 8285234606) through proper channel giving particulars of the candidates as given below:

1. Name
2. Age and date of birth
3. Sex
4. Address for communication including **e-mail address** and **phone/mobile number**
5. Educational Qualifications
6. Present Designation

## Last date for Receiving Nomination

**06<sup>th</sup> August (Friday), 2021**

## Venue

Through online mode by the National Institute of Health and Family Welfare.