



# HSNC UNIVERSITY, MUMBAI

## Kishinchand Chellaram College

### Department of Life Sciences

#### Under the aegis of DBT Star Status

PRESENTS

A WEBINAR ON

## 'INNOVATIONS IN ASSISTED REPRODUCTIVE TECHNOLOGY'



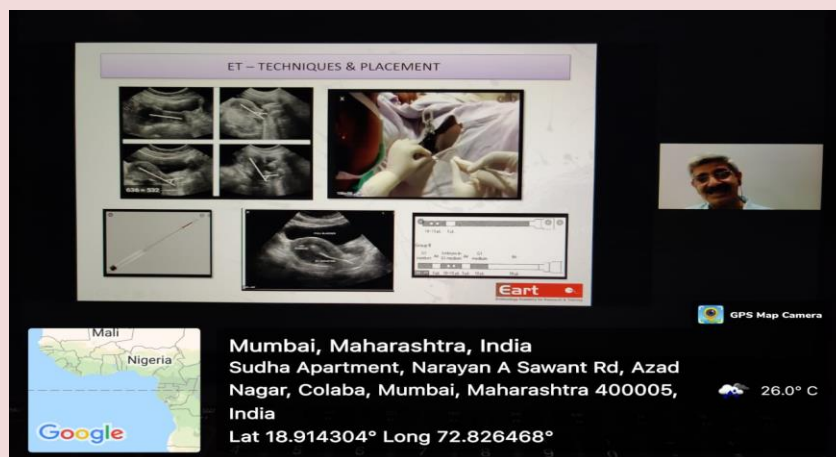
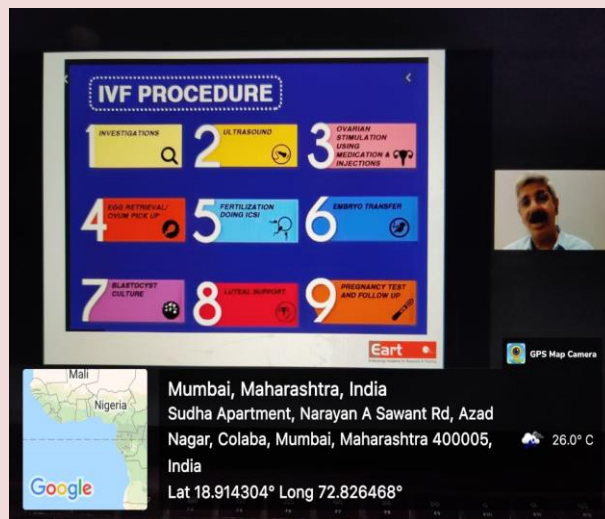
The Department of Life Sciences, K.C. College, HSNC University under the aegis of DBT Star Status, organized an enlightening session on the topic 'Innovations in Assisted Reproductive Technology' on 21<sup>st</sup> August, 2021 on the zoom platform. Dr. Kersi Avari, practicing Embryologist, Founder Director, Embryology Academy of Research and Training was the esteemed resource person for the event. The session had an audience of 84 participants comprising of the second year and third year undergraduate students and teachers from various colleges of Mumbai along with the faculty of Department of Life Sciences, K.C. College.

The webinar was inaugurated by Dr. Shalini Rai, who welcomed Dr. Kersi Avari and the participants attending the session. Ma'am hoped that the session would be a wonderful learning experience for the students as the insights from Dr. Avari's lectures are always remarkable and stimulate an interest in students to pursue the field of ART (Assisted Reproductive Technology) in future. Dr. Kersi Avari commenced the session by discussing infertility and its causes, including but not limited to ovulatory or testicular dysfunction, endometriosis and tubal damage. He then went on to explain the process of implantation of a blastocyst, gamete optimization, Andrology and Gynaecology.

Further, sir spoke about the three vital steps incorporating ART, which included recovery, survival and viability of the male and female gametes. He talked about male infertility and its causes which comprised of oligospermia and cryptozoospermia and the ART methodologies used to aid in fertilization such as retrograde ejaculation. Female infertility induced by anovulation, premature ovarian failure, hydrosalpinx and PCOS symptoms were described by Dr. Kersi Avari and its treatment and diagnosis through laparoscopy and hysteroscopy. Furthermore, sir gave a detailed explanation on intra-uterine insemination (IUI) with catheter positioning and insemination tricks. Along with IUI, sir briefly elucidated other process, which included ICSI,

ET technology, Ovarian Stimulation and IVF. Sir concluded his talk by discussing the precaution measures need to be taken to ensure smooth embryo transfer. Dr. Suvarna Sharma gave the concluding remarks and expressed her gratitude to Dr. Kersi Avari for the informative session. The webinar was concluded with a formal vote of thanks by a student volunteer.

The knowledge coming from someone very adept and experience in his field made the webinar extremely enlightening. The use of an attractive PowerPoint presentation, charts, graphs and miniature models for illustrating the different methods used under assisted reproductive technology kept the students engaged and helped them better understand the contents of the session. Sir patiently addressed all the questions from the students patiently, thus ensuring that their concepts were clarified. The session served its purpose of explaining methods and innovations in assisted reproductive technology and ignited enthusiasm among participants in the said field. Overall, the participants were appreciative of the session and expressed their wish to attend more such educative session in future, making the session a great success.



**-Team KCLSD**