

Dr Pratap Kumar – Current ongoing Research

1. Cost-effective approach in sperm extraction for IUI: Comparative evaluation of Co2 and Co2 free system

Principal investigator

KMC Manipal

2. Sperm DNA damage in male infertility and its influence on reproductive outcome

Co-investigator

ICMR, Govt. of India

3. Evaluating endometrial DNA fragmentation and apoptosis during implantation window in women with unexplained infertility

Principal investigator

KMC Manipal

4. Evaluation of the effect of epididymal cell co-culture in modulating genomic instability in spermatozoa

Principal investigator

KMC Manipal

5. Increasing pregnancy rate by endometrial stimulation in patients failed to conceive after several cycles of intra uterine insemination (IUI)

Principal investigator

KMC Manipal

6. Circulating levels of anti-mullerian hormone (AMH) and Inhibin B as a discriminatory marker in disorders of spermatogenesis (Indo-UK collaborative project)

Principal investigator

University College of London, UK

7. Evaluation of sperm chromatin modification, sperm methylation errors and reproductive toxicity in radiation health workers

Co-investigator

ICMR, Govt. of India

8. The impact of chromosomal and sub-chromosomal sperm abnormalities on the embryonic development and assisted reproductive technology (ART) outcome

Co-investigator

DST, Govt. of India

9. Evaluation of laser manipulated embryos for their hatching potential, metabolic charges and laser induced effects

Co-investigator

ICMR, Govt. of India

10. A study to evaluate the impact of different controlled ovarian stimulation protocols on physical and psychological burden in patients undergoing In-Vitro Fertilization/In-Vitro Cytoplasmic Sperm Injection.

Principal investigator

GVK Bioscience for MSD company

India