



## **CRAFT HOSPITAL & RESEARCH CENTRE**

**Centre for Excellence in Infertility Treatment, IUI, IVF, ICSI, Neonatology, Foetal Medicine,  
Andrology & Sexology, Laparoscopic Surgery and Medical Genetics**

**National Board of Exam Recognized Centre for FNB in Reproductive Medicine  
ISO 9001: 2000 (AOA International Certified Infertility Centre)**

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## Message from the Chairman & Medical Director's Desk



In the eve of Celebrating 23 years of Clinical Excellence, I am pleased to introduce our institution - CRAFT Hospital & Research Centre, Kodungallur, Thrissur (Dist.), Kerala, a 300 bedded Multi Super-specialty Hospital Group with satellite centres in Kannur, Coimbatore, Dubai, Doha, Muscat and Maldives. Over the past 23 years, CRAFT Hospital & Research Centre has evolved into a major healthcare institution, carving a niche for itself in the field of infertility treatment and high-risk pregnancies. With advanced and updated research and technologies to benefit patient care, our institution today is well-renowned for the unique expertise and facilities of global standards, making it a preferred referral centre for various regional Hospitals, in the State. We have a team of 18 senior consultants and specialists who have presented papers in national and international conferences.

CRAFT Hospital & Research Centre is the 'First ISO 9001- 2000 Certified Fertility Centre of India' and is a centre of excellence in healthcare with most advanced and fully-fledged super specialty departments in Infertility, Gynaecology, Laparoscopic Surgery, Embryology, Neonatology (level 3), Foetal Medicine, Paediatrics, Andrology & Sexology, Medical Genetics and PGD. Our institution is well equipped and self sufficient with a wide range of the latest diagnostic & therapeutic equipments and offers the best of Faculty and facilities and treatment under the same roof. Facilitating impeccable diagnosis and corrective solutions, CRAFT has helped realized the dreams of couples from all around the world.

The foundation of CRAFT Hospital & Research Centre's single and strict point of value - 'Non-Donor Policy', has created revolution in the infertility treatment scenario, establishing ethical awareness among patients and raising confidence amongst them in



the institution's services. Bringing all facets of infertility management under one roof including Reproductive Medicine and Reproductive Surgery, Embryology, Andrology and Sexology, Genetics - PGD and Neonatology, CRAFT sets a new example in the Medical field and has become the primo choice for Infertility treatment transcending borders. Another unique accolade to its credit, CRAFT is the first Fertility Centre in India to launch 'Guaranteed IVF Treatment Programme' - CRAFT IVF Suraksha - a money back insurance programme for fertility treatment. CRAFT is also recognized by the Health & Family Welfare Department, Government of Kerala, for reimbursement for treatment for Government Employees of Kerala State.

Accredited by National Board of Examinations for FNB in Reproductive Medicine, CRAFT Academy of Reproductive Medicine, is one of the most sought after centres in the country for ART and Embryology Training. CRAFT academy has so far contributed almost 40 Postgraduate ART specialists and more than 10 Embryologists in the field of clinical embryology and has ongoing training for many aspiring doctors and fellows.

With more than 30,000 healthy childbirths, CRAFT Hospital & Research Centre today tall in the field of Infertility Treatment, along with its chain of Satellite Centres called CRAFT Fertility Centres. Today, CRAFT has seen massive acceptability and esteem in the community, due to its strict ethical standards and high successful outcomes. Our vision at CRAFT is *'To ensure that every man and woman enjoys the right of parenthood and experiences the beauty of procreation'*.

Warm Regards,

**Prof. Dr. C Mohamed Ashraf**

Chairman & Medical Director

CRAFT Fertility Centres, India & Middle East.



### **Clinical Services offered at CRAFT Hospital & Research Centre:**

- IUI, IVF-ICSI/IVM-ICSI
- TESA-ICSI/PESA-ICSI
- MICRO-TESE-ICSI
- Reproductive Medicine & Surgery
- High-Risk Pregnancy Management
- Neonatology & Paediatrics
- Foetal Medicine
- Embryology
- Andrology & Sexology
- Male Infertility Treatment
- Immunotherapy & Endometrial Receptor Assay (ERA)
- Imaging Studies
- Medical Genetics - PGD/PGS, NIPT

### **Exclusive Features of CRAFT Hospital & Research Centre:**

- First ISO 9001 - 2000 Accredited Fertility Centre in India
- First Video Endoscopic Surgery Centre of the State
- First Centre in the State to have 4D Ultra Sound Scanner (Voluson E8)
- First Infertility Centre in the World with Insurance Cover
- ('CRAFT-IVF Suraksha' - Your own child or your money back)
- Non-Donor Policy for all Fertility treatments
- Ensures 100% genuine parentage certificate
- Hospital with the largest Level 3 NICU in the State
- First IVF Centre in the State to have Satellite Centres in the Middle East & Maldives

### **Exclusive Clinical Achievements of CRAFT Hospital & Research Centre:**

- 1995: First Centre to do Laparoscopic Tubal Anastomosis
- 1996: First Centre to do Laparoscopic Burch Colposuspension
- 2000: First Centre in State to do PESA-ICSI and TESA-ICSI Delivery
- 2004: First Blastocyst Transfer and delivery of the State from CRAFT
- 2006: First Vitrification & Delivery in India
- 2007: Introduction of Mild Stimulation Protocol for the first time in India
- 2009: The Lowest Baby Birth survived in NICU - 560 Gms
- 2012: First & Only Centre in India to do Micro-TESE-ICSI
- First Frozen Embryo Transfer baby in Kerala
- Revolutionized the technique of Cervical Circlage by a new and highly effective method known as 'Ashraf's Stitch'



- First Hospital in India to report a successful pregnancy with PGD for a Single Gene Disorder.
- First PGD (Metabolic Disorder Free) baby born in India in 2016
- First Centre in India to save prematurely born twins (@24 weeks) in 2016

### **CRAFT Academy of Reproductive Science**

The 'CRAFT Academy of Reproductive Science' under CRAFT Hospital & Research Centre is the only recognized centre of the National Board of Examination, Ministry of Health & Family Welfare, Govt. of India, New Delhi, in Kerala which conducts Fellowship programme in Infertility for the Post-graduate Doctors. The Academy renders one year fellowship programme' in Infertility, Clinical Embryology, Reproductive Medicine and High Risk Pregnancy.

The academy has an excellent team under the renowned IVF Specialists and ART Consultants & Course Coordinators. The Fellowship Programmes are offered in five specialties:

- FNB in Reproductive Medicine
- Fellowship in Infertility Treatment & Clinical Embryology
- Fellowship in Neonatology (IAP & NNP)
- Fellowship In Foetal Medicine & High Risk Pregnancy
- Fellowship in Andrology



## **ONE & HALF YEAR CERTIFICATE COURSE IN CLINICAL EMBRYOLOGY**

### **Course Description**

This is a 18 month intensive course conducted by CRAFT Hospital & Research centre, Kodungallur, India as part of the CRAFT Academy of Reproductive Science. It would equip the candidates to work competitively in Human IVF Services by providing them with essential theoretical and practical and protocols that exist in ethical human IVF practice and to streamline the practice to achieve maximum success. The students are required to stay on campus throughout the program. The final month allows the candidate to attend a 1 month rotation at Yale School of Medicine ([www.medicine.yale.edu/obyn/yfc](http://www.medicine.yale.edu/obyn/yfc)). Travel and visa arrangements to USA will be the candidate's responsibility. This is purely optional and the candidate has to bear all the personal expenses incurred.

**Course Structure** The course comprises of 4 units. There will be scheduled academic activities consisting of lectures, tutorials, journal reviews, group discussions will be subjected to assessment of both theoretical knowledge and practical skills.

**UNIT 1 - BASIC Embryology & Andrology Theory:** Gametogenesis, Hormonal control of reproduction, Early embryonic development. Molecular and genetic aspects of essential Embryology, setting up of an IVF lab equipments.

**Practical:** Pipetting skills, aseptic techniques, laboratory maintenance, Patient record maintenance, Counsel the couples regarding the treatment planned for them at various stages of the cycle. Endocrine assays, Human semen analysis, Sperm preparation techniques for IUI,IVF,ICSI and cryopreservation. Liquid nitrogen handling **UNIT 2-**

**Assisted Reproductive Techniques Theory:** Endocrinology of IVF, grading of oocytes, IVF procedures, Embryo culture systems **Practical:** Media preparation for various ART requirements Handling and processing of testicular biopsy samples Identification of oocytes from follicular fluid. Preparation of oocytes for IVF and ICSI

### **UNIT 3-Invitrofertilisation and cryopreservation**

**Theory:** Ultra structure of fertilization, Embryo grading

**Practical:** IVF – insemination and culture Assessment of fertilization Grading of embryos and selection for embryo transfer Vitrification & warming (oocytes and embryos) ***Apart from this, candidates are expected to initiate a short project***



***which may involve assisting a staff member/researcher and present the outcome of the project in the form of a dissertation.***

**UNIT 4 - Assisted fertilization and Ethics Theory:** Micromanipulation techniques, uterine receptivity and Embryo Transfer, Quality control and quality assurance, Ethical Considerations Of IVF, Biostatistics, Pre Implementation Genetic Diagnosis (PGD) **Practical:** Sperm immobilization techniques, ICSI Mechanical, acid tyrode and laser assisted hatching techniques. Loading of embryo transfer catheters Assessments will be made at the end of each unit. Certificate will be awarded will be only after the submission of dissertation. Eligibility Criteria-MBBS, BVSC, MSc (Biotechnology or Microbiology) Hostel facility will be provided in the campus.

**How to Apply:**

Interested applicants should submit the following information with (specifying whether applying for *January or June Session*);

- Current Resume
- Written statement of interest outlining career objectives
- Official Transcript of Completed Graduate Courses
- A letter of recommendation.

to [hr@craftivf.com](mailto:hr@craftivf.com), [manager@craftivf.com](mailto:manager@craftivf.com). Applicants will be notified in via email if they have been selected to come for an interview.