

'Miracles'
do Happen

The birth of a child is the cherished dream of every married couple. But, then, infertility is a very real and major health care problem affecting the lives of a considerable number of couples. The constant familial and societal pressures to produce an offspring, do not help matters. Resulting in misery, frustration and, to top it all, a social stigma, which is quite a harrowing experience for the people concerned. The impact can be felt psychologically and can, as in most cases lead to severe disruption of marital life.

For couples undergoing such trauma, a ray of hope has emerged to dispel their gloom. Advanced Assisted Reproductive Techniques like IVF-ET (popularly known as test tube baby). and Intra-Cytoplasmic Sperm injection (ICSI), are now available as a method of medical intervention. These have been used, around the world, with encouraging rates of success. Arousing hope in the hearts of infertile couples that, indeed, a miracle can take place, which would bring joy into their lives.

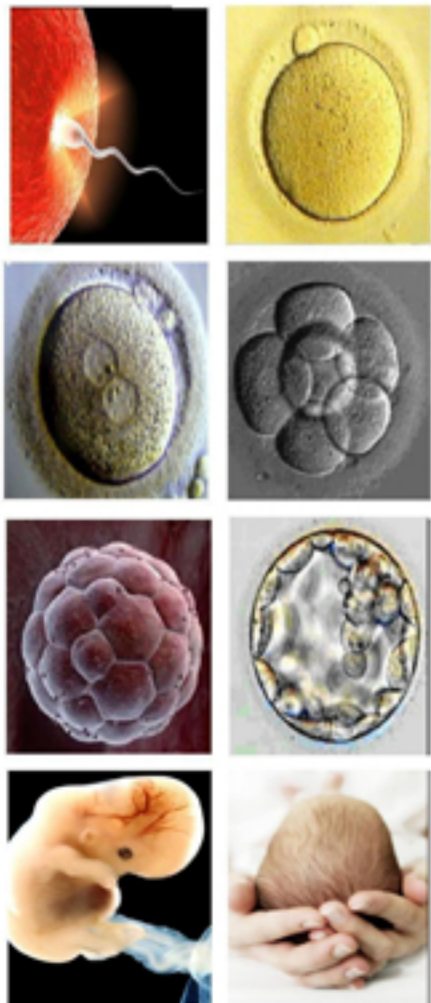


MHRT

(MHRT) - MATERNAL HEALTH & RESEARCH TRUST

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CENTRE FOR FERTILITY MANAGEMENT (MHRT)



Making Dreams Come True : The Department of Reproductive Medicine a Centre for Fertility Management (MHRT), is a super speciality Centre devoted solely to the management of infertility and related problems. Headed by Dr. Roya Rozati, one of the pioneers and leading specialists in the field, the facility compares favorably with the best in the world, both in terms of equipment as well as personnel.

At the unit, no effort is spared to identify the specific cause of infertility in each case and ways to overcome it. After group consultation and counseling with the infertility specialist and Reproductive Biologist, a suitable programme of intervention is devised and followed through. Management, which includes both diagnosis and treatment based on sound scientific principles, is conducted with close attention paid to the individual requirements of the couple.

A Committed team : Vastly experienced in the management of infertility, the faculty comprises of Doctors and Scientists who have been part of the IVF team that successfully pioneered the birth of many test tube babies in the United Kingdom & India.

To ensure that knowledge, skills and techniques always remain contemporary, constant interaction and close association is maintained with the Assisted Conception Unit of the world renowned Glasgow Royal Infirmary, Cambridge, London U.K.

Chief Consultant : Dr. Roya Rozati, M.D.FRCOG

Assisted Conception Unit
Laboratory Director : Mr. Ashok Patel
Mr. Srikanth.D

Laboratory Personnel : Mr. Nandan Kumar

Visiting Faculty : Dr. Maybeth Jamieson, Senior Embryologist,
Glasgow Royal Infirmary, UK
Dr. Nasr, Ph.D. Cambridge, London UK

Advice that matters : Patient counselling is one of the most integral functions of the Department. It serves in reassuring them and boosting their morale while offering all the necessary psychological support they need. It provides information about the nature of the procedures, their chances of success and how they are being channelised into the appropriate, effective treatment.

In search of answers: In striving for excellence and perfection, the department has emerged as one of the foremost centres for research in the field of Reproductive Biology. The efforts are focussed on the areas of Molecular Biology, Reproductive Endocrinology, Reproductive Toxicology and Reproductive Microbiology.

To stay abreast with groundbreaking trends in therapy and research, the Unit functions in close collaboration with the Glasgow Royal Infirmary, UK, and has a vast library of the latest issues of authoritative international journals.



Dr. ROYA ROZATI
Consultant Obstetrician & Gynaecologist
Fertility Specialist



Making a difference : In the 13 years since inception, the Department has come to be recognised as one possession excellent infrastructure, facilities and personnel and acknowledged for its success rate that is comparable with the best centres around the globe.

Some Achievements:

- ♦ One of the pioneering units to have started ICSI in India and has conducted over 5000 cycles till date.
- ♦ Achieved pregnancy and delivery in 2 patients, aged 42 years and 56 years, by embryo/egg donation technique
- ♦ Pioneered the delivery of the first set of twins conceived by IVF-ET
- ♦ By virtue of hormonal manipulation, a multiple pregnancy (quadruplets) was conceived.
- ♦ A woman who had conceived through ICSI delivered triplets.
- ♦ Microepididymal sperm Aspiration (MESA) in conjunction with IVF in a couple, of which the male partner was azoospermic, led to the delivery of a healthy baby.
- ♦ 500 cycles/year of IUI were attempted with a success rate of 80%. 300 cycles of IVF-ET were attempted in 95 patients with a success rate of 40%. 200 cycles of ICSI have been attempted with a success rate of 40-50%. Hormonal Manipulation and Ovulation induction with Timed Intercourse, has been successful in 60% of the cases.

Facilities: The Department is fully geared to offer the following services:

- ♦ Intra-Uterine Insemination (IUI) Husband and Donor
- ♦ In Vitro Fertilisation (IVF)
- ♦ Intracytoplasmic Sperm Injection (ICSI)
- ♦ Hormonal Manipulation and ovulation induction with timed intercourse
- ♦ Blastocyst Culture
- ♦ Computerised Chromosomal Karyotyping for testing of peripheral blood
- ♦ Egg and embryo donation for perimenopausal and menopausal women
- ♦ Semen Banking-Donor and Husband

Investigations: The department has the necessary facilities and expertise to undertake the following investigations:

- ♦ Vaginal Ultrasonography
- ♦ Hormonal Assays by Radioimmunoassay
- ♦ Post-coital Test
- ♦ Diagnostic and Operative Laparoscopy
- ♦ Diagnostic Hysteroscopy
- ♦ Hysterosalpingography
- ♦ Endometrial Biopsy
- ♦ Semen Analysis
- ♦ Sperm function tests including
 - Diagnostic swim up
 - Hypo-osmotic swelling test
- ♦ Semen culture and sensitivity

Sharing happiness, worldwide: The Department has successfully treated patients not only from all over India but right across the globe. Infertile couples from countries such as USA, UK, Australia, UAE and Saudi Arabia have all gone back, carrying with them their precious bundles of joy. Each one of them benefitting from the unmatched expertise of this centre, that too at a cost that's just a fraction of what they would have paid for similar treatment back home.

Dr. (MRS.) ROYA ROZATI

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