Launching Inaugural Brochure Of **Masters in Clinical Embryology**

Life Fertility
Advanced IVF, Research & Training Centre

CREATING LITTLE MIRACLES

Life Fertility
Advanced IVF, Research & Training Centre

Infertility affects about 15-20% of married couples and is a huge social problem in many countries including India. Fertility clinics offers the treatments to infertile couples through IVF technologies by A professionally qualified and trained Embryologists who performs most complex procedures of the life in advanced Embryology laboratories.

Life Fertility is a premier Assisted Reproduction center in Visakhapatnam offering fertility services to North Coastal Andhra Pradesh and to State of Orissa and is having In-house facilities such as outpatient department, Class 7 Embryology Laboratory and dedicated Training Laboratories for Infertility specialists, Andrologists and Embryologists with Advanced micromanipulator systems.

Andhra University is a prestigious 98-year-old institution known for its academic excellence and research. The university has attained ISO 9001-2000 certification, received an 'A++' grade (score of 3.74) from the National Assessment and Accreditation Council (NAAC), and possesses five constituent colleges. Andhra University offers over 300 degree programs across disciplines including Arts, Commerce, Management, Science and Technology, Engineering, Pharmaceutical Sciences and Education. As the university approaches its 100th anniversary in 2026, it is well-positioned to celebrate this historic centennial milestone.

There is a rise in infertility cases in men and women globally and this led to an increased demand for professionally qualified Embryologists. Realising the potential for professional expertise in assisted reproductive technology and to pave the path for scientific research in invitro fertilization technology ……..

Life Fertility proudly announce the Academic Collaboration in the form of launching **Masters degree in clinical embryology** and **Post graduate diploma in clinical embryology** with Andhra University and strongly aiming of forging a formal synergistic linkage to develop new collaborative teaching and research programmes in the areas of Assisted Reproductive Technologies.

FACULTY

Dr. G. Shashi Kumari, MBBS, DNB
Clinical Course Director

Mrs. Saraswathi, MSc
Faculty - Reproductive Genetics

Dr. Jaya Prakash, PhD
Embryology Course Director

Mr. Saidurga Prasad, MSc
Faculty - Microbiology

Dr. K. Murali Krishna, PhD
Andrology Course Director

Mrs. Renukadevi
Supervisor– Laboratory Division

Dr.Vijaya Bharathi, PhD
Academic Training Head

Mr. Bhanuprakash
Instructor – Embryology Laboratory

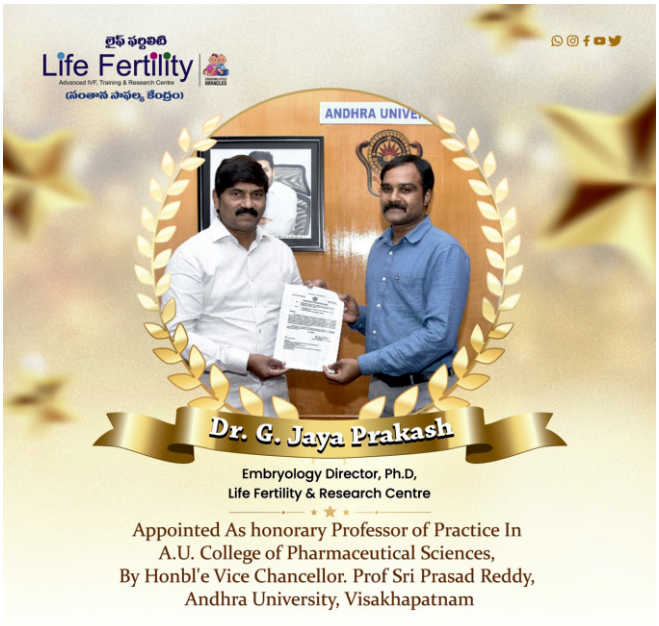
Mrs. K. V. Sridevi, MSc
Faculty - Reproductive Biology

Mr. Ayyappa
Instructor – Andrology Laboratory

Dr. K. B. Prasad, PhD, Medipaq, Australia
Expert Faculty, - QAQC Department

Miss. Ramadevi
Co-ordinator-Academic affairs

Life Fertility- Andhra University - MOU - In Academic Research



Prof. Dr. K. Muralikrishna, PhD
Managing Director
Life Fertility and Research Centre

Prof. Dr. G. Jaya Prakash, PhD
Embryology Director
Life Fertility and Research Centre

Masters In Clinical Embryology
(A Self Support Specialized Program by Life Fertility and Research Centre and Andhra University)

PROGRAMME OUTCOMES

Following successful completion of this course,

1. Students will gain an in-depth knowledge on the principles and practices of Assisted reproduction and clinical embryology
2. Students can understand the cell structure, organization and cell division, Anatomy and physiology of male and female reproductive system with exposure to Bacteria, Fungi, Growth media, culture techniques and methods of sterilization
3. Students will gain knowledge on clinical and genetic causes and environmental factors involved in the etiology of Male infertility and Female infertility and also get insights into pharmacotherapy for Ovarian Hyperstimulation
4. Students will be equipped on handling and applications of Bright field and Phase contrast Microscopy techniques, Applications of centrifugation and incubation protocols in Andrology.
5. Students will acquire knowledge on the guidelines imparted by agencies like WHO, ESHRE, ASRM, and ICMR to process Human semen for diagnostic and clinical applications in the Male Infertility treatment.
6. Students will also gain knowledge on principles and practice of sperm preparation – for Ejaculated semen and TESE samples with deeper undersatinding on Male fertility preservation using Cryopreservation techniques.
7. Students will be enabled with the knowledge and approach towards the design and regulatory requirements for the set up of clean room facility in the ART clinics as per the National ART registry guidelines laid for Level 1, Level 2 and Surrogacy clinics.
8. Students can have a detailed practical exposure to principles, functional and maintenance protocols of advanced incubation systems, clean air filtration units and micromanipulation systems in the ivf laboratories.
9. Students will gain understanding and Hands on exposure to processing methods for COC complexes, oocyte identification, Morphokinetic analysis for oocyte Grading and Principles of Invitro maturation
10. Students will have complete understanding of principles of micromanipulation techniques with hands on experience in Intracytoplasmic sperm Injection (ICSI), Intracytoplasmic morphologically selected sperm Injection and PICSI, Methods for Embryo Grading and Blastocyst Grading and selection for Embryo Transfer
11. Students will gain knowledge on invasive methods for PGT using Trophectoderm Biopsy and Non-Invasive N-PGS techniques with spent culture and also Deeper insights into Principles of cryobiology with its applications in the Vitrification of Oocytes, Embryos, Blastocysts and Ovarian tissue.
12. Students will have a complete knowledge on QAQC of IVF lab, Statutory forms mandated by ART registry and practical clinical/IVF Laboratory training during the internship program with exposure to research methodology.

Program Specific Outcomes:
The outcome of this program will be able

1) To educate the students about Semen analysis and sperm processing methods, Female Gamete biology in evaluation and treatment of male and Female infertility.
2) To understand and Learn the Laboratory protocols for IVF/ICSI
3) To understand the IVF Laboratory design protocols, QAQC, and regulatory requirements for ART clinics as per ART registry.

PROGRAM EDUCATIONAL OBJECTIVES

Upon completion of the program, the student will be able

1) To understand the concept of Gamete biology and the significance of physiological, Genetic, Environmental and Lifestyle factors affecting the fertility in males and females
2) To understand the important concepts of introductory microbiology and its significance in ART laboratories with respect to cell culture techniques and methods of sterilization.
3) To also understand the morphokinetic analysis of human spermatozoa and role of morphokinetic properties of oocytes in Infertility.
4) To enrich the students with deep and proper understanding on ovarian hyperstimulation by Hormonal treatment with Pharmacological agents (recombinant hormones), gain the knowledge on the most critical stages of early form of life with micromanipulation systems in invtro.
5) To educate the students about the importance of morphological quality and genetic health of embryos and blastocysts on their Endometrial implantation.
6) To gain the knowledge on design aspects, IVF Laboratory instrumentation, QAQC and regulatory requirements as per ART registry laid for Level 1, Level2 Fertility establishments.
7) To work as an Independent Embryologist, A multifaced personality with expertise in the areas of; a) As Technical Expert B) As Laboratory Manager C) As Researcher D) As Collobarator E) As a Scholar F) As Counsellor G) and As a Mentor.

SYLLABUS

MS. In CLINICAL EMBRYOLOGY (2024)
REGULATIONS AND SYLLABUS

The degree of Master of Science in **Clinical Embryology** of the Andhra University will be conferred on a candidate who has satisfied the following conditions:

1.1. Eligibility: The candidate must have passed: B.Pharm/PharmD/MBBS/BDS/BVSC/BHMS /BAMS / BSc Nursing / Engineering with Science (Biotechnology and Life Science related) any other Equiavalent BSc in Life Sciences (Biochemistry, Biotechnology, Microbiology) from a recognised university with 50% of marks in qualifying examination

1.1. The subjects of specializations for MS.**Clinical Embryology** Course shall be as follows :

1.1.1. Reproductive Biology

1.1.2. Introductory microbiology

1.1.3. Reproductive Genetics

1.1.4. Assisted Reproductive Technologies

1.1.5. Advance IVF Technology

1.1.6. Biostatistics and Research Methodology

1.2. Each academic year is to be divided into two semesters, with a minimum of 90working days in each (180 days in any given academic year) for instruction and exams.

1.2.1.Seminars: For the first and second semesters, two days of each week will be devoted to a seminar that will be conducted with the goal of enhancing the necessary explanatory, communication, and presentation abilities.

1.2.2.Journal club: the students will be engaged for a period of 1 month in the 4th semester of the course, before the students persue their respective internships. Topics that will be included in the discussion of the journal club by each student are as follows: One Case study, One Research article and One Meta Analysis

1.3.3 **Internship - IV Semester:**A candidate has to undergo Internship at any DMHO registered Fertility clinic having facilities to carryout Invitro fertilization procedures for a period of 02 months. During the Internship, Candidate is required to attend IVF clinical and Laboratory work

1.3.4 All the students should present a seminar on the objectives of their work, work protocol, Study results and conclusion etc. in the presence of a committee consisting of one external examiner, research director during the Final Viva.

MS in Clinical Embryology
(2024 – 2025)

• Code	Course	Hours/week	InternalAssessment			SemesterEndExam	Total
			ContinuousEvaluation	SessionalExam	Total		
I Semester							
MEMB 101T	Reproductive Biology	4	10	20	30	70	100
MEMB 102T	Introductory microbiology	4	10	20	30	70	100
MEMB 103P	Andrology Laboratory-1	12	15	15	30	70	100
MEMB 104P	Microbiology and Analytical Techniques Laboratory	12	15	15	30	70	100
MEMB 105S	Seminar	4	50	---	---	---	50
	Total	**36**	**100**	**70**	**120**	**280**	**450**
IISemester							
MEMB 201T	Reproductive Genetics	4	10	20	30	70	100
MEMB 202T	Assisted Reproductive Technologies	4	10	20	30	70	100
MEMB 203P	Andrology Laboratory-2	12	15	15	30	70	100
MEMB 204P	Embryology Laboratory-1	12	15	15	30	70	100
MEMB 205S	Seminar	4	50	---	---	---	50
	Total	**36**	**100**	**70**	**120**	**280**	**450**

IIISemester							
MEMB301T	Advance IVF Technology	4	10	20	30	70	100
MEMB 302T	Biostatistics and Research Methodology	2	10	20	30	70	100
MEMB 303P	Embryology Laboratory-2	12	15	15	30	70	100
MEMB 304P	Cryobiology Laboratory	12	15	15	30	70	100
	Total:	**30**	**80**	**60**	**90**	---	**400**
IVSemester							
MEMB 401	JournalClub	18	50	**---**	**---**	---	50
MEMB 402	Internship	-	-	**-**	**-**	150	150
MEMB 403	Thesis submission/ evaluation	20	-	**-**	**-**	150	150
MEMB 404	Project Viva	-				50	50
	Total:						**400**

Post Graduate Diploma In Clinical Embryology (A Self Support Specialized Program by Life Fertility an d Research Centre and Andhra University)

The PG Diploma in **Clinical Embryology** of the Andhra University will be conferred on acandidate whohassatisfiedthefollowingconditions:

1.1 Eligibility: The candidate must have passed: B.Pharm /PharmD /MBBS /BDS /BVSC /BHMS /BAMS/BSc Nursing/Engineering with Science (Biotechnology and Life Science related) any other Equiavalent BSc in Life Sciences (Biochemistry, Biotechnology, Microbiology) from a recognised university with 50% of marks in qualifying examination

1.1. The subjects of specializations for **PG Diploma in Clinical Embryology** Course shall be as follows:

1.1.1. Reproductive Biology & Genetics

1.1.2. Introductory microbiology

1.1.3. Assisted Reproductive Technologies

1.1.4. Advance IVF Technology

1.2. PG Diploma in Clinical Embryology Courseis to divided into two semesters, with a minimum of 90 working days in each (180 days in any given academic year) for instruction and exams.

PROGRAMME OUTCOMES

Following successful completion of this course,

1. Students will gain an in-depth knowledge on the principles and practices of **Clinical Embryology**
2. Students can understand the cell structure, organization and cell division, Anatomy and physiology of male and female reproductive system .
3. Students will gain knowledge on clinical and genetic causes and environmental factors involved in the etiology of Male infertility and Female infertility.
4. Students will be equipped on handling and applications of Bright field and Phase contrast Microscopy techniques, Applications of centrifugation and incubation protocols in Andrology.
5. Students will acquire knowledge on the guidelines imparted by agencies like WHO,ESHRE, ASRM, and ICMR to process Human semen for diagnostic and clinical applications in the Male Infertility treatment.
6. Students will also gain knowledge on principles and practice of sperm preparation – for Ejaculated semen and TESE samples with deeper undersatinding on Male fertility preservation using Cryopreservation techniques.
7. Students will be enabled with the knowledge and approach towards the design and regulatory requirements for the set up of clean room facility in the ART clinics as per the National ART registry guidelines laid for Level 1, Level 2 and Surrogacy clinics.

1. Students can have a detailed practical exposure to principles, functional and maintenance protocols of advanced incubation systems, clean air filtration units and micromanipulation systems in the ivf laboratories.
2. Students will gain understanding and Hands on exposure to processing methods for COC complexes, oocyte identification, Morphokinetic analysis for oocyte Grading and Principles of Invitro maturation
3. Students will have complete understanding of principles of micromanipulation techniques with hands on experience in Intracytoplasmic sperm Injection (ICSI), Intracytoplasmic morphologically selected sperm Injection and PICSI, Methods for Embryo Grading and Blastocyst Grading and selection for Embryo Transfer
4. Students will gain knowledge on invasive methods for PGT using Trophectoderm Biopsy and Non-Invasive N-PGS techniques with spent culture and also Deeper insights into Principles of cryobiology with its applications in the Vitrification of Oocytes, Embryos, Blastocysts and Ovarian tissue.
5. Students will have a complete knowledge on QAQC of IVF lab, Statutory forms mandated by ART registry and practical clinical/IVF Laboratory training during the internship program with exposure to research methodology.

Program Specific Outcomes:

The outcome of this program will be able

1) To educate the students about Semen analysis and sperm processing methods,
2) To understand and Learn the Laboratory protocols for IVF technology
3) To understand the IVF Laboratory design protocols, QAQC, and regulatory requirements for ART clinics as per ART registry.

PROGRAM EDUCATIONAL OBJECTIVES

Upon completion of the program, the student will be able

1. To understand the concepts and factors affecting the fertility in males and females
2. To understand the important concepts of introductory microbiology and its significance in ART laboratories with respect to cell culture techniques and methods of sterilization.
3. To also understand the morphokinetic analysis of human spermatozoa and role of morphokinetic properties of oocytes in Infertility.
4. To educate the students about the importance of quality embryos and blastocysts on their Endometrial implantation.
5. To gain the knowledge on design aspects, IVF Laboratory instrumentation, QAQC and regulatory requirements as per ART registry laid for Level 1, Level2 Fertility establishments.

To work as an Independent Embryologist.

Post Graduate in Diploma in Clinical Embryology

• Code	Course	Hours/ week	InternalAssessment			Semester EndExam	Total
			ContinuousEvaluation	SessionalExam	Total		
I Semester							
PGEMB 101T	Reproductive Biology & Genetics	4	10	20	30	70	100
PGEMB 102T	Introductory microbiology	4	10	20	30	70	100
PGEMB 103P	Andrology Laboratory	12	15	15	30	70	100
PGEMB 104P	Microbiology and Analytical Techniques Laboratory	12	15	15	30	70	100
PGEMB 105S	Seminar	4	50	---	---	---	50
	Total	**36**	**100**	**70**	**120**	**280**	**450**
II Semester							
PGEMB 201T	Assisted Reproductive Technologies	4	10	20	30	70	100
PGEMB 202T	Advance IVF Technology	4	10	20	30	70	100
PGEMB 203P	Embryology Laboratory-	12	15	15	30	70	100
PGEMB 204P	Cryobiology Laboratory	12	15	15	30	70	100
PGEMB 205S	Seminar	4	50	---	---	---	50
	Total	**36**	**100**	**70**	**120**	**280**	**450**

COURSE FEES: FOR ACADEMIC YEAR: 2024 - 2025

Course Fee Structure	Course Duration	Nationality	Registration Fees (EMBCET)	Admission Fees	Fees - I - Semester	Fees - II - Semester	Fees - III - Semester	Fees - IV - Semester
MS in Clinical Embryology	**02 yrs (04 Semesters) Rs. 6,00,000/-**	**Indian**	**Rs. 1500/-**	**Rs.50,000/-**	**Rs.1,00,000/-**	**Rs.1,50,000/-**	**Rs.1,50,000/-**	**Rs.1,50,000/-**
		Foreign (Students from other countries)	**US $ 50**	**US $ 600**	**US $ 3000**	**US $ 3600**	**US $ 3600**	**US $ 3600**
PG Diploma in Clinical Embryology	**01 Year Rs. 3,00,000/-**	**Indian**	**Rs. 1500/-**	**Rs.50,000/-**	**Rs.1,00,000/-**	**Rs.1,50,000/-**	-	-
		Foreign (Students from other countries)	**US $ 50**	**US $ 600**	**US $ 3000**	**US $ 3600**	-	-

Note :

1) Applicable Fees for Semester Examination Fees, Course Materiel if any, Hostel Facilities and Transportation will be paid by candidates separately
2) Fee payment: DD/Online Bank Transfer / NEFT/RTGS
3) Schedule for Fee Payment: A) Registration Fee: At the time of Registration for Online Entrance Examination (20-6-24 to 30-6-24)
B) Admission Fees: 1-7-2024 (at the time of Interview) C)I-Semester Fees: : 10-07-2024
C) II-Semester Fees: 01-01-2025 D) III-Semester Fees: 01-07-2025

RESEARCH

The quality of our work and services was accepted globally in the name of our research publications. We published significant number of research papers in the top most, impressive impact factor valued, highly indexed and peer reviewed journals. There are as follows:

PUBLICATIONS:

1. Amin J Sr, Patel R, Jayesh Amin G, **Gomedhikam J**, Surakala S, **Kota M**. Personalized Embryo Transfer Outcomes in Recurrent Implantation Failure Patients Following Endometrial Receptivity Array With Pre-Implantation Genetic Testing. Cureus. 2022 Jun 23;14(6):e26248. doi: 10.7759/cureus.26248. PMID: 35911354; PMCID: PMC9312421.
2. Rao CVN, Sindhu C, **Kota MK**. Three-dimensional Hysterosalpingo Contrast Sonography with Lignosal as Contrast for Evaluation of Tubal Patency in the Infertile Women – An Observational Cohort Study. Am J Sonogr 2019;2(4):1-8.
3. G A R, Cheemakurthi R, Prathigudupu K, Balabomma KL, Kalagara M, Thota S, **Kota M**. Role of Lh polymorphisms and r-hLh supplementation in GnRh agonist treated ART cycles: A cross sectional study. Eur J Obstet Gynecol Reprod Biol. 2018 Mar;222:119-125.
4. Ramaraju GA, Teppala S, Prathigudupu K, Kalagara M, Thota S, **Kota M**, Cheemakurthi R. Association between obesity and sperm quality. Andrologia. 2018 Apr;50(3). doi: 10.1111/and. 12888. Epub 2017 Sep 19.
5. Ravi Krishna Cheemakurthi, Gottumukkala Achyuta Rama Raju, Thota Sivanaryana, Kalagara Madan, **Kota Murali Krishna**, Godi Sudhakar. Case Report: A 54 base pair inactivating mutation of *LHCGR* in a 28-year old woman with poor ovarian response. F1000Research, 2015, DOI**:** 10.12688/f1000research.6137.1. **4**:72.
6. **Vijaya Bharathi B**, **Jaya Prakash G**, **Krishna KM**, Ravi Krishna CH, Sivanarayana T, Madan K, Rama Raju GA, Annapurna A. Protective effect of alpha glucosyl hesperidin (Ghesperidin) on chronic vanadium induced testicular toxicity and sperm nuclear DNA damage in male Sprague Dawley rats. Andrologia. 2015 Jun;47(5):568-78. \
7. T. Sivanarayana Ch. Ravi Krishna, **G. Jaya Prakash**, **K. M. Krishna**, K. Madan, G. Sudhakar G. A. Rama Raju. Sperm DNA fragmentation assay by sperm chromatin dispersion (SCD): correlation between DNA fragmentation and outcome of intracytoplasmic sperm injection. Reprod med Biol 2014,13: 87-94.
8. Sivanarayana T, Krishna ChR, **Prakash GJ**, **Krishna KM**, MadanK, Rani BS, Sudhakar G, Raju GA. CASA derived human sperm abnormalities: correlation with chromatin packing andDNA fragmentation. J Assist Reprod Genet. 2012 Dec;29(12):1327-34
9. Rama Raju GA, **Jaya Prakash G**, **Murali Krishna K**, Madan K, Siva Narayana T, RaviKrishna CH. Noninsulin-dependent diabetes mellitus: effects on spermmorphological and functional characteristics, nuclear DNA integrity and outcome of assisted reproductive technique. Andrologia. 2012 May;44 Suppl 1:490-8.
10. G. A. Rama Raju, **G. Jaya Prakash**, **K. Murali Krishna**, K. Madan. Vitrification of human early cavitating and deflated expanded blastocysts: clinical outcome of 474 cycles. J Assist Reprod Genet 2009, 26:523–529.

11. G.A.Rama Raju., **G.J.Prakash**, K**. Murali Krishna**, K.Madan. Neonatal outcome following vitrified day 3 embryo transfers - a preliminary study. Fertility and Sterility 2009, 92: 143- 148.

12. G.A.Rama Raju., K. Suryanarayana, **G.J.Prakash**, **K.Murali Krishna**. Comparison of Follitropin ß administered by a pen device with conventional syringe in an ART program- A retrospective study. Journal of Clinical Pharmacy and Therapeutics 2008; 33:1-7

13. G.A. Rama Raju, **G.J. Prakash**, **K. Murali Krishna**, K. Madan. Multivariate analysis of human oocytes using polscope imaging system and its influence on embryonic development. Repro Biomed Online 2006; 14 (2): 166-174.

14. Rama Raju GA, Shashi Kumari G, **Krishna KM, Prakash GJ**, Madan K. Assessment of uterine cavity by hysteroscopy in assisted reproduction programme and its influence on pregnancy outcome. Arch Gynecol Obstet. 2006; 274: 160-164.

15. Rama Raju GA, Haranath GB, **Krishna KM**, **Prakash GJ**, Madan K. Successful pregnancy with laparoscopic oocyte retrieval and in-vitro fertilization in mullerian agenesis. Singapore Med J. 2006; 47 (4): 329.

16. GA. Rama Raju, GB. Haranath, **KM. Krishna**, **GJ. Prakash**, K. Madan. Vitrification of human 8-cell embryos, a modified protocol for better pregnancy rates. Reproductive Biomedicine Online. 2005; II: 434-437.

17. E. Poluri, **J.P. Gomedhikam, M.K. Kota,** M. Kalagara, V.B. Bodanapu and B.P. Kota. Development and screening of high producing ⍁-galactosidase activity by clones of CHO-K1 cell line. Process Biochemistry. 2005; 40(1): 103-106.

18. **Krishna KM**, Akula Annapurna, Gopisetty S. Gopal, Chitrapu R. V. Chalam, Kalagara Madan, Veeravalli K. Kumar, **Gomedhikam J. Prakash**. Partial reversal by rutin and quercetin of impaired cardiac function in streptozotocin-induced diabetic rats. Canadian Journal of Physiology and Pharmacology, 2005; 83: 343-355.

19. **Krishna KM**, Akula Annapurna, Gopisetty S. Gopal, Chitrapu R. V. Chalam, Kalagara Madan, Veeravalli K. Kumar, **Gomedhikam J. Prakash**. The influence of sulindac on diabetic cardiomyopathy: A non-invasive evaluation by Doppler echocardiography in streptozotocin induced diabetic rats. Vascular Pharmacology, 2005; 43: 91-100.

20. Krishna Murthy B, Nammi S, **Kota MK**, Krishna Rao R.V, Koteswara Rao N, Annapurna A. Evaluation of hypoglycaemic and antihyperglycemic effects of datura metal (linn) seeds in normal and alloxan-induced diabetic rats. Journal of Ethno Pharmacology. 2004; 91: 95-98.

21. E. Poluri, **J.P. Gomedhikam**, **M.K. Kota**, M. Kalagara, V.B. Bodanapu, B.P. Kota. FLP mediated recombination of FRT sites in CHO-K1 cell line. International Journal of Biotechnology 2004; 6(1): 94-100.

22. Veeravalli KK, Akula A, **Kota MK**. Nitric oxide and prostaglandin mediated cardioprotection by bradykinin in myocardial ischemia and reperfusion injury. Polish J Pharmacol 2003; 55: 1021-29.

23. Akula A, Veeravalli KK, Routhu KV, **Kota MK**. Studies on the involvement of bradykinin using enalapril and 2-mercaptoethanol in ischemia-reperfusion induced myocardial infarction in albino rats. Pharmazie 2003; 58: 906-909.

24. Veeravalli KK, Akula A, Routhu KV, **Kota MK**. Infarct size limiting effect of apstatin alone and in combination with enalapril, lisinopril and ramipril in rats with experimental myocardial infarction. Pharmacol Res 2003, 48: 557-563.

25. Akula A, **Kota MK**, Gopisetty SG, Chitrapu RV, Kalagara M, Kalagara S, Veeravalli KK, Gomedhikam JP. Biochemical, histological and echocardiographical changes during experimental cardiomyopathy in STZ induced diabetic rats. Pharmacol Res 2003. 48: 427-435.

26. Akula A, Veervalli KK, Potharaju S, **Kota MK**. Studies on the signal cascade mechanism mediating the cardioprotective actions of bradykinin. Pharmazie 2002, 57: 332-336.

27. B Krishna Murthy, A. Annapurna, **K. Murali Krishna**, Krishna, R.V. Krishna Rao and S Nammi. Hypoglycemic and antihyperglycemic effects of a new polyherbal formulation (RVF1). Proceedings of AP Akademi of Sciences 2004; 8 (3): 211-214.

28. Annapurna A, Rama Krishna V, **Murali Krishna K**, Krishna Kumar V, Bhavani Prasad K. Studies on the nootropic activity of ramipril and losarton on scopolamine induced amnesia in rats. Indian Journal of Pharmaceutical Sciences 2004; 66 (1): 31-35.

29. Annapurna A, Kanaka Maha lakashmi D, **Murali Krishna K**. Anti diabetic activity of a polyherbal preparation (tincture of panchparna) in normal and diabetic rats. Indian Journal of Experimental Biology. 2001, 39: 500-502.

30. G.A. Rama Raju, **K. Murali Krishna**, **G.J. Prakash**, K. Madan. Vitrification: An Emerging Technique for Cryopreservation in Assisted Reproduction Programmes. Embryo Talk 2006; 1(4): 210-227.

31. Annapurna, **K. Murali Krishna**, V. Krishna Kumar and **G. Jaya Prakash**. Mechanisms, Pathology and Therapeutic Interventions of Restenosis. Indian Journal of Pharmaceutical Sciences. 2005; 67 (1): 11-18.

32. Akula A, **Gomedhikam JP**, **Kota MK**, **Bodanapu VB**, Kota BP. Anthrax-An overview. International Journal of Risk Assessment and Management. 2005; 5(1): 76-94.

33. Krishna Kumar V, Annapurna A, **Murali Krishna K**. Myocardial infarction: a review. The Antiseptic. 2004; 101(5): 182-187.

34. Annapurna A, **Murali Krishna K**, Krishna Kumar K, **Jaya Prakash G**, Satyanarayana V. Over View of Microdialysis. Indian Journal of Pharmaceutical Sciences 2004; 66 (4): 382- 391.

35. Annapurna A, **Jaya Prakash G**, **Murali Krishna K**, **Vijaya Bharathi B**, Bhavani Prasad K. Interferon cytokine therapy in human disease. Indian Pharmacist 2003, Vol. II No. 17: 7-15.

36. Chegondi V Narayana Rao, Sindhu Chegondi, Murali Krishna Kota. Efficacy of 2D/3D HyCoSy with new contrast medium lignocaine and saline comparing with HSG - A single centre prospective study. Indian Journal of Obstetrics and Gynecology Research, 2024, 11(1), 58-65.

Student Testimonials

PRATHALA BHARGAV, ANDHRA PRADESH

Dear Life Fertility Clinic Team, I am writing to express my heartfelt appreciation for the exceptional training experience I received at your clinic. The expertise demonstrated by the doctors, coupled with the unwavering support from the entire team, has left an indelible mark on my professional journey.

The professionalism exhibited throughout my training, along with the collaborative and encouraging environment, made the learning process not only enriching but also enjoyable. The hands-on experience provided me with valuable insights, and I am grateful for the opportunity to learn from such a skilled and dedicated group of professionals like Dr. Jaya prakash sir and Dr. Murali krishna sir and Dr. Shashi kumari madam and Thank you for the knowledge, guidance, Mr.bhanu and Mr. Ayyappa

Thank you life fertility team

MOUNIKA LADDUNOORI, TELANGANA

Life Fertility is a complete, one and only the best advanced IVF & Research Centre I have ever seen previously.I did 1 month hands on training program in Advanced IVF techniques using high proficiency equipments & instruments.

Talking about academics, I feel very proud of being a trainee from Life fertility. Dr Jaya Prakash Sir & Dr.Murali sir, they were not only a very good embryologists but also a very great teacher's .. Everytime they will keep telling about what is being done, why & how..

Dr. Shashi Mam is really good at dealing IVF patients with her healing smile always on her face.

Now I feel so good as I feel I learnt a lot through daily presentations & publications n also they always encouraged & motivated us to update from latest studies, papers and recommendations and not just from a book.

During my training period, I also had a lot of practical exposure to OCC screening, ICSI, freezing, thawing & ET's and got hands exposure too, which I feel I won't got this opportunity if I would join at any other place.

It will be totally unjustifiable if I don't mention the team of staff, embryology lab team & my co-trainees who always supported me in many ways, especially Swarna Latha mam for her guidance towards research publications was too good.

Thank you Dr. Prakash sir, Dr.Murali sir, Dr.Shashi mam & all the team members of Life Fertility

SHEMIN A SALAM, KERALA

My experience with this Centre is as a trainee under the Hands on Training in Assisted Reproductive Techniques program of August 2021 batch. It was a 21 day regular program, during which I saw and was taught complete professionalism in dealing with all aspects of fertility and it treatments. Apart from the latest technology and expertise of the faculty there, one other distinct advantage I saw is the close knit small team that ensures personal and patient specific support. This level of dedicated care is seldom experienced or even expected from others. From my exposure to other such facilities, I can for sure say that Life Fertility Advanced IVF & Research Centre would be one of my strong recommendations for anyone who wishes for any help in such treatments.

And for those who are hunting for training to be an embryologist, I feel confident to say that you wont ever regret their hands on training program. You will certainly get the opportunity to train with some of the pioneers of embryology training with the latest techniques and technology. Besides that its a very
positive and nourishing atmosphere, be it the other staffs or location or even the attitude.

RASHMI KIRAN, KARNATAKA

I underwent one month training for Embryology in this centre.I had a wonderful experience getting trained under Dr JayaPrakash and Dr Murali Krishna.Each and every process and techniques in Embryology and Andrology were explained with lots of hands on training..I gained the confidence to work independently after the training. The other staff are also very friendly and cooperative