



## **Dr. Prof. (Col) Pankaj Talwar, VSM**

**Fertility and Embryology Consultant  
Honorary Senior Consultant & Professor  
Department of Reproductive Medicine of Pacific Medical College & Hospital  
Udaipur**

**CEO & Dir  
i-Ceat (Clinical & Embryology Academy of ART)  
i-HOMaa Fertility Clinics  
i-Consult (IVF and IUI Consultancy Services)  
Global Virtual Library**

**DOB : 22nd March 1966  
MBBS : 1985-1989, AFMC Pune  
MD (OBG) : 1995-1999, AFMC Pune  
Ph.D in Clinical Embryology and Reproductive Medicine (Shridhar University)  
Rajasthan - 2023**

Prof (Col) Pankaj Talwar VSM is a renowned fertility specialist in India and is currently Director, i-Ceat, i-HOMaa, i-Consult. He has performed over 15,000 in vitro fertilization (IVF) cycles with a persistent 60% + clinical pregnancy rate over the past three decades. He is the recipient of the prestigious Vishisht Seva Medal, awarded by the President of India for his work in the field of assisted reproductive technology (ART) and fertility medicine. He has set up 26 IVF units in India and abroad. He is an expert in treating patients with recurrent IVF failures or implantation failures, andrology, sperm function test, ovarian cortex freezing and clinical embryology as well as developing specialized treatment protocols for cancer patients in line with the oncology team. A master trainer who has trained 1500 students across 23 countries. He has more than 100 publications and has edited 10 books including the first video atlas in ART. **He is the President Elect of Indian Fertility Society (IFS).**



- **Director, i-Ceat, i-HOMaa and i-Consult**
- **Founder of global ART digital School**
- **President Elect Indian Fertility Society**
- **Founder Secretary Fertility Preservation Society of India**
- **Past HOD and Director of ART Services – Birla Fertility and Army Hospitals**
- **Awarded Vishisht Seva Medal by the President of India for working in the field of infertility.**
- **Trained 1500 students globally in ART in past 3 years across 23 Countries**
- **Icon of North India – ET 2022 – 2023**
- **Experience of Setting up 26 ART centers globally.**
- **Best research paper award by DGAFMS 2011**
- **Best Research project award by DGAFMS 2012**
- **Member Infertility committee FOGSI**
- **Conducted more than 50 live workshops in India and abroad**
- **Commissioning Editor FSR**
- **Edited 9 books**
- **More than 100 publications**
- **Experience of 17,000 OPU and ET cycles.**
- **Trained in Human Embryonic Stem Cell Derivation – Israel**
- **Trained in Ovarian Cortex Freezing (Fertility Preservation) – Paris**
- **Trained in PGD and TQM – Germany, Spain**
- **29 Years of Experience in Fertility and IVF**

1

Prof (Col) Pankaj Talwar MD, VSM is an alumnus of the prestigious Armed Forces Medical College, Pune, India. He was formerly the Director and Head of Obstetrics and Gynecology and IVF services at Army Hospital (Research and Referral), New Delhi.

2

Prof Pankaj Talwar is a gynecologist by profession and has been working in the field of Infertility and Clinical Embryology since the past 23 years. He has raised 4 IVF centres for Armed Forces in India and is consultant for multiple centers in India and abroad. He is the **CEO & Dir** i-Ceat (Clinical & Embryology Academy of ART), i-HOMaa Fertility Clinics, i-Consult (IVF and IUI Consultancy Services), Global Virtual Library. The President of India has awarded him with military medal for his extensive work in the field of infertility.

3

He has conducted dozens of workshops in India and abroad in the field of Vitrification and Micromanipulation. He is credited with conducting **First live hands on workshop on Sperm Function Test, Time-Lapse Imaging and Ovarian Cortex Vitrification in India**. His special interests are PGD and Fertility preservation in cancer patients.

4

He is on the editorial board of multiple infertility journals and has **edited multiple books on infertility** which are available globally. He is also the **Editor - in - Chief of the 1st video Atlas of ART in the world**. His book **Frozen Life** was one of the 1<sup>st</sup> books in the world, dedicated to Human Cryobiology and is going in 2nd edition in coming year. **Prof (Col) Pankaj Talwar is Founder secretary of Fertility Preservation Society of India and President Elect of Indian Fertility Society.**

5

**He is the Director & CEO of ARTech which has three subsidiaries - i-Consult, i-HOMaa, i-Ceat which provide complete solutions to IVF units from initiation to commission.**

## Training in ART Sub Specialty

- **Basic ART Training:** ART centre, Army Hospital (Research and Referral) New Delhi.
- **Clinical Embryology, Medicult Fertility School, Copenhagen** in 2006 under Dr Mette Munk (course held in Mumbai).
- **Vitrification Technology** at Krishna IVF Centre with Dr Rama Raju at Vizag 2007.
- **Regenerative Medicine** : Derivation of neuronal stem cells from embryonic stem cells at National Brain Research Centre, Manesar 2007.
- **Human Embryonic Stem Cell Derivation** under Prof Joseph Istokovitz - **Haifa Israel in 2007.**
- **Ovarian Cortex Freezing (Fertility Preservation)** under Prof Catherine Poroit, Publique Hospitale, **Paris, France** in 2009.
- **Advanced Embryology** under Prof James Catt of **Monash University**, 2011. (Course held in Mumbai).
- **PGD and Advanced Embryology** under Prof Markus Montag at **Hiedelberg, Germany** in 2012 .
- **QA and QC, Embryo Biopsy and Culture Techniques** under Dr Gloria Claudron, Embryo tools, **Barcelona** in 2015.

## Strength

- Carried out nearly 15000 IVF cycles with persistent 40% plus clinical pregnancy rate.
- Extensive experience in Advanced Clinical Embryology, Micromanipulation, Genetic screening, Stem cell biology and Cryobiology.
- Pioneering work in India in Fertility Preservation.
- Experience of raising 25 ART centres in India and abroad.
- Extensive experience in male factor infertility (Testicular Biopsy- ICSI)/Sperm Function Test.

## Experience in Raising New ART Centres

Army Hospital (Research and Referral), New Delhi  
 INHS Asvini, Colaba, Mumbai  
 Military Hospital, Bhopal  
 Military Hospital, Guwahati  
 ESI Hospital, Basidarapur, New Delhi  
 Safdarjung Hospital, New Delhi  
 CMH, Dhaka, Bangladesh  
 18 units of Birla Fertility & IVF  
 6 ART center are in progress as part of i-Consult



## Awards and Acolades

1. **Vishisht Sewa Medal**, Presidential award for work in the field of ART.
2. **Received best paper award in “Medical Journal Armed Forces 2012” from DGAFMS for Paper titled --**  
Does Catheter Choice During Embryo Transfer Alter the Pregnancy Rate?
3. **Best Executive member of Indian Fertility society 2013-2015** during Annual meet of IFS in Dec 2015.
4. **Received best Research Project award “Armed Forces Medical Research Committee”-2017 from**  
DGAFMS, Indian Army.
5. **Life Time Achievement Award – 12th Nov 2017, LKO, Indian Fertility Society.**
6. **Annual Dr Prabha Mehra Oration at KGMU – LKO, Fertility Preservation, 11 Nov 2017.**
7. **Invited Guest Lecture, JSS, Jipmer (Pondichery), Fertility Preservation, 17 Mar 2017.**
8. **Delivered Oration of President Elect at IFS annual conference at Hyderabad 2022**
9. **Ph.D in Clinical Embryology and Reproductive Medicine (Shridhar University) Rajasthan - 2023**

## Past Work Experience in Specialty and Appointments Held

- Served at ART centre Army Hospital (Research and Referral), New Delhi from 2005- 2011.
- **Head of the Department**, ART Centre, Army Hospital (Research and Referral), New Delhi from 2009-2011.
- **Head of the Department**, ART Centre, INHS Asvini from 2011 – 2014.
- **Head of the Department**, ART Centre, Army Hospital (Research and Referral), New Delhi from July 2014  
Till 3<sup>rd</sup> March 2019.
- **Head IVF Centre**, Manipal Hospital, Dwarka, Delhi from March 2019 - January 2020
- **Director** Birla Fertility & IVF and **Director** Birla Institute for Fertility Sciences till June, 2023

## Administrative Appointments In Fertilty Societies

- **Founder Secretary General** of Fertility Preservation Society of India (FPSI).
- **Secretary General** of the Indian Fertility Society (IFS).
- **Member Advisory** committee of ICMR.
- **Executive Committee** member Infertility Committee (FOGSI).
- **Executive Committee** member Infertility Committee (AOGD).
- **Associate editor** of Fertility Journal of IFS.
- Faculty of the online embryology course being conducted by Indian Society of Assisted Reproduction (ISAR).
- Editor Nexus and Artext - E bulletin of IFS.
- **Faculty for European Society of Human Reproduction in Embryology Training Course.**
- In-charge Exam cell Indian Fertility Society.
- Chief Examiner and coordinator of IFS fellowship exam clinical.
- Chief Coordinator and Incharge exam cell Indian Fertility Society embryology fellowship course

## Research Work Undertaken

### AFMRC Projects

#### Principle worker

- Primordial Follicle Isolation and In Vitro Maturation
- Comparison of sperm vitality in fresh semen with that in sample frozen intact with seminal plasma and after density gradient technique using glycerol cryoprotectant in fertile males of Indian Armed Forces.
- To study the embryonic HLA as a marker of developmental potential in embryos.
- **Large Collaborative project** : Approved by DGAFMS in the Expert committee meeting by DGAFMS at AFMRC meet in 2015.

‘To perform aneuploidy screening for embryos using Pre-Implantation Genetic Screening Technology in high-risk cases with advanced maternal age, recurrent abortions and history of chromosomal numerical abnormality in the previous pregnancy.

### Departmental Projects

- a. Study of human sperm motility post Cryopreservation.
- b. Surgical sperm retrieval and pregnancy outcome.
- c. Sperm function test in severely oligospermic semen samples.
- d. Sperm vitality correlation in pre-freeze and post thaw.
- e. Blastocyst transfer in ovarian Hyperstimulation cycles.
- f. Study of Sperm morphology of infertile males visiting the ART Centre.

## Primary Membership of National Bodies

- FOGSI** (Federation of Obstetricians and Gynaecologists of India)  
**IFS** (Indian Fertility Society)  
**ISAR** (Indian Society of Assisted Reproduction)  
**FPSI** (Fertility Preservation Society of India)  
**ACE** (Academy of Clinical Embryology)

## Referee

MJAFI  
 AFMRC  
 IVF LITE: Journal of Infertility  
 Fertility Science and Research

## IVF Training In Armed Forces Medical Services

Trained two Post Graduates in Anatomy, 8 service gynaecologists in ART and embryology in the past 6 years.  
 Trained teams from CMH Dhaka, Bangladesh.

## Books Published

Sr No	Name of the Book /Monograph	Year of publication	Name of publisher with place
01	<b>Frozen life:</b> A Manual of Reproductive Biology and Stem cells. ISBN 978-81-8448-681-0 cell	2009	Jaypee publications
02	<b>Manual of ART and Clinical Embryology</b> ISBN 9789350255063	2011	Jaypee publications
03	<b>Step by Step in ART</b> ISBN 9769350257654	2012	Jaypee publications
04	<b>Cytogenetics in Reproductive Biology</b> ISBN -9789350909928	2014	Jaypee publications
05	<b>A video atlas of Reproductive Biology and ART</b> ISBN- 9789350907719	2014	Jaypee publications
06	<b>IVF Techniques For The Beginners</b> ISBN- 9789350903599	2013	Jaypee publications
07	Edited a handbook titled “ <b>Patient’s Guide to Infertility Management</b> ”: book released by Vice Admiral Shekhar Sinha, PVSM, AVSM, NM & BAR, ADC	22 <sup>nd</sup> July 2013	INHS Asvini publication
08	Nexus – Compendium of Embryology	2017	IFS publication
09	Manual of Assisted Reproductive Technologies and Laboratory Sciences. (Three Volumes)	2023	IFS publication

## Chapters Contributed in Books

1. **Pankaj Talwar**, Step-by-step of Intra Uterine Insemination. Semen freezing. *Jaypee (India)*. 2008; 301-7. ISBN: 978-81-8448- 2008.
2. **Pankaj Talwar**, Semen Banking. A Workbook on Human Spermatozoa and Assisted Conception by Sonia Malik. *Jaypee Publications (India)*. 2011. ISBN 97893502551.
3. **Pankaj Talwar**, Update on Sperm Banking. Fertility Preservation: Emerging Technologies and Clinical Applications. *Humana Press (A division of Springer Science + Business Media)* and co-edited by Dr. Emre Seli. 2012. ISBN – 9788132214366.
4. **Pankaj Talwar**, Protocols in Sperm Preparation and Freezing. Fertility Preservation: Emerging Technologies and Clinical Applications. *Humana Press (A division of Springer Science + Business Media)* and co-edited by Dr. Emre Seli . 2012. ISBN – 9788132214366.
5. **Pankaj Talwar**, Semen Freezing and Use in Intra Uterine Insemination: Intra Uterine Insemination by RN Foundation. Edited by Gita Ganguly Mukherjee and BN Chakravarty. 2012; 130-140.
6. **Pankaj Talwar**, Ved Prakash. Clinical Applications of Vitrification. Vitrification in Assisted Reproduction. *Springer publications*. 2014: 51-63.
7. **Pankaj Talwar**, Ashok K. Pillai, Falahunisa Shaikh. Role of Laparoscopic Ovarian Drilling in Polycystic Ovarian Syndrome and Its Effect on ART. Principles and Practice of Controlled Ovarian Stimulation in ART. *Springer Publication*. 2015; 347- 355.
8. **Pankaj Talwar**, Puneet Rana Arora and Nalini Mahajan. Ovarian Stimulation Protocols in Fertility Preservation. Principles and Practice of Controlled Ovarian Stimulation in ART. *Springer Publication*. 2015; 369-374.
9. **Pankaj Talwar**. Ovarian Tissue Vitrification. THE ART AND SCIENCE OF ASSISTED REPRODUCTIVE TECHNIQUES “J. Goral Gandhi. *Jaypee Brothers Medical Publishers (P) Ltd*.
10. **Talwar Pankaj & Singh, Sarabpreet**. Human Epididymal and Testicular Sperm Cryopreservation. Methods in Molecular Biology. *Springer Publications* 2017; 1568: 85-104.
11. **Talwar Pankaj & Fauzdar Ashish**. Assisted Conception Techniques: Which One to Choose. *Springer Publications* 2017; 265-293.
12. **Talwar Pankaj & Ghosh, Pranay**. Sperm Freezing Injuries. *Springer Publications* 2018; 205-226.
13. **Pankaj Talwar & Pooja Awasthi**. Ovarian Cortex Cryopreservation: The Current Perspective. Principles and Practice of Assisted Reproductive Technology. 2018; 196- 206.
14. **Pankaj Talwar & Pooja Awasthi**. Ovarian Tissue Freezing. Practical Guide in Andrology & Embryology. 2018; 336-358.
15. **Pankaj Talwar & Pooja Awasthi**. Ovarian Tissue Cryopreservation. Newer Trends in ART. 2018 (*In Press*).
16. **Pankaj Talwar & Pooja Awasthi**. Newer Media in Embryology Lab. Advances in IVF Lab. 2018 (*In Press*).
17. **Pankaj Talwar & Pooja Awasthi**. Cryopreservation of Ovarian Tissue. Textbook of Assisted Reproduction. 2018 (*In Press*).
18. **Pankaj Talwar and Sapna Yadav**. Practical Clinical Aspects of Oocyte Vitrification for Elective Fertility Preservation. *In Press*
19. **Pankaj Talwar and Sapna Yadav**. Embryo Vitrification programme: Technique, device or embryo quality – What matters? *In Press*
20. **Pankaj Talwar and Sapna Yadav**. Environmental Effect on Male Infertility. *In Press*



## Journal publications in Concerned Specialty

1. Tanwar M, Sundararajan V, Shamsi MB, **Talwar P**, Sharma RK and Dada R. Infertility-Yq Micro-deletions and Implications in Assisted procreation. *Perspectives in Cytology and Genetics*. 2007; 13:273-287.
2. Shamsi MB, Sundararajan V, **Talwar P**, Sharma RK, Mukherjee S, Kumar R, Gupta NP and Dada R. Characterization of sperm chromatin quality by Comet Assay. *Perspectives in Cytology and Genetics*. 2007; 13: 255-262.
3. Sundararajan V, Kumar R, Shamsi MB, **Talwar P**, Sharma RK, and Dada R. Mitochondrial ATPase Gene Mutations Associated With Low Antioxidant Levels in Idiopathic Asthenozoospermic Indian Men. *Perspectives in Cytology and Genetics*. 2007; 13: 263-272.
4. **Talwar P**. Fertility Preservation in Female Cancer Patients. *Journal of South Asian Federation of Obstetrics and Gynecology (JSAFOG)*. 2009; 1(3):5-11.
5. Shamsi MB, Venkatesh S, **Talwar P**, Sharma RK, Dhawan A, Kumar R, Gupta NP, Malhotra N, Singh N, Mittal S, Dada R. DNA integrity and semen quality in men with low seminal antioxidant levels. *Mutat Res*. 2009; 665(1-2): 29-36.
6. Dr Venkatesh, Dr MB Shamsi, **Dr P Talwar**. Oxidative stress: Role of seminal plasma. *Obsts and Gynae*. 2009; 14(10).
7. Kumar R, Sunderajan V, **Talwar P**, Dada R. Oxidative Stress and sperm mitochondrial DNA mutation in Idiopathic oligoasthenozoospermic men. *Indian J Biochem Biophys*. 2009; 46:172-177.
8. **Talwar P**. Overview of Cryobiology in ART. *Journal of South Asian Federation of Obstetrics and Gynecology (JSAFOG)*. 2010; 2(1): 11-17.
9. Surg Capt S Narayan, Col KS Rana, Col M Sharma, Col RK Sharma , **Lt Col P Talwar** Col K Kapur, Col BK Goyal. Profile of live born infants of In Vitro Fertilization. *MJAFI*. 2010; 66(1).
10. Beena Bhandari, **Pankaj Talwar**, Satish Gupta. Delineation of downstream signaling components during acrosome reaction mediated by heat solubilized human zona pellucida. *Reproductive Biology and Endocrinology*. 2010; 8:7.
11. Kumar Manoj , Pathak Dhananjay , Kriplani Alka , Ammini Ariachery , **Talwar Pankaj**, Dada, Rima. Nucleotide variations in mitochondrial DNA and supra-physiological ROS levels in cytogenetically normal cases of premature ovarian insufficiency. *Arch Gynecol Obstet*. 2010; 282:695-705.
12. B. Shamsi M , Sundararajan Venkatesh, **Talwar P** & Kumar R. 79 Effects of Antioxidants and ROS on Sperm DNA Integrity in Idiopathic Infertile Men. *Reprod Biomed Online*. 2010.
13. Sundararajan Venkatesh, Kumar Milind , Sharma A , Kriplani A, **Talwar P**, Agarwal Ashok , Dada Rima. Oxidative stress and ATPase 6 mutation is associated with primary ovarian insufficiency. *Archives of gynecology and obstetrics*. 2010; 282: 313-8.
14. **Talwar P**. Semen banking and cryobiology. *International Journal of Infertility and Fetal Medicine*. 2011; 2(2): 51-60.
15. **Talwar P**, Sharma RK, Sandeep K, Sareen S, Duggal BS. Embryo reduction: our experience. *Medical Journal Armed Forces India*. 2011; 67(3): 241-4.
16. **Lt Col Pankaj Talwar**, Maj Nikita Naredi, Lt Col Sandeep K, Air Marshal GS Joneja, Col BS Duggal. Does catheter choice during embryo transfer alter the pregnancy rate? *MJAFI*. 2011; 67:311-314.  
(Received best paper award Medical journal Armed Forces 2012 From DGAFMS )
17. Sundararajan Venkatesh , Thilagavathi J, Kumar Kishlay, Deka D, **Talwar P**, Dada Rima. Cytogenetic, Y chromosome microdeletion, sperm chromatin and oxidative stress analysis in male partners of couples experiencing recurrent spontaneous abortions. *Archives of gynecology and obstetrics*. 2011; 284 (6):1577-84

18. Dada Rima , Mahfouz Reda , Kumar R , Sundararajan Venkatesh , B Shamsi, M , Agarwal Ashok , **Talwar P**, Sharma, Rameshwar. A comprehensive work up for an asthenozoospermic man with repeated intracytoplasmic sperm injection (ICSI) failure. *Andrologia*. 2011; 43. 368-72.
19. Wan-Xiang Xu, Beena Bhandari, Ya-Ping He, Hai-Ping Tang, Sanchita Chaudhary, **Pankaj Talwar**, Satish K. Gupta and Jian Wang. Mapping of Epitopes Relevant for Induction of Acrosome Reaction on Human Zona Pellucida Glycoprotein-4 Using Monoclonal Antibodies. *American Journal of Reproductive Immunology*. 2012; 68: 465–475.
20. **Col Pankaj Talwar**, Pre Implantation Genetic Diagnosis: A Review. *Journal of Marine Medical Society*. 2012; 14.
21. **Col Pankaj Talwar**, Human Embryonic Stem Cells- Role in Regenerative Medicine. *Journal of Marine Medical Society*. 2012; 14.
22. **Pankaj Talwar**, K. Sandeep, Nikita Naredi, B.S. Duggal, Tony Jose et al. Systemic methotrexate: An effective alternative to surgery for management of unruptured ectopic pregnancy. *MJAFI*. 2013; 69 (2):130–133.
23. Oberoi Bhavni & **Talwar Pankaj**, Singh Munendra, Kumar Sushil. Preserving fertility in malignancy - evolving trends. *Journal of Marine Medical Society*. 2013; 15(1):45-48.
24. **Talwar Pankaj**, Oberoi Bhavni, Sen Ranabhim, Kumar Sushil. Male Infertility and Cytogenetics. *Journal of Marine Medical Society*. 2013; 15:49
25. Bilal Shamsi Monis ,Periyasamy Govindaraj ,Chawla Latika , Malhotra Neena , Singh Neeta , Mittal Sunee-ta , **Talwar Pankaj**, Thangaraj Kumarasamy ,Dada Rima. Mitochondrial DNA variations in ova and blasto-cyst: Implications in assisted reproduction. *Mitochondrion*. 2013; 13:96-105
26. Nikita Naredi, **Pankaj Talwar**, K. Sandeep .Ovarian hyper stimulation: VEGF antagonist for the prevention of ovarian hyperstimulationsyndrome. *Med J Armed Forces India*. 2014; 70(1):58-63. Epub 2012 Sep 11.
27. Malik S, Jain K, **Talwar P**, Prasad S, Dhorepatil B, Devi G, Khurana A, Bhatia V, Chandiok N, Kriplani A, Shah D, Sinha G, Unni J, Patil M, Singh M, Shah P, Chakraborty R, Bhattacharya S, Chatterjee S, Barik S, Vaidya R, Wangnoo SK, Mithal A, Ganie MA, Sinha B, Gopal J, Khadilkar W, Nagpal R, Khanna V K, Verma N, Zaheer A, Sthalekar B, Arya L, Khunger N, Sheth R, Bhatia D, Duggal V, Khadilkar A, Joshi B. Management of Polycystic Ovary Syndrome in India. *Fertil Sci Res*. 2014; 1:23-43.
28. Surg Lt Bhavni Oberoi, Surg Vice Adm Sushil Kumar, **Col Pankaj Talwar**. Study of human sperm motility post cryopreservation. *MJAFI*. 2014; 70: 349–353.
29. Nikita Naredi, **Pankaj Talwar**, Nagaraj Narayan, Seema Rai, Shakti Vardhan, Subrat Panda. Spontaneous conception following anti-tubercular treatment for sub-fertile women with multiple implantation failures. *Fertility Science and Research*. 2014; (1): 44-49.
30. Nikita Naredi, Nagaraj Narayana, **Pankaj Talwar**, Seema Rai. Embryo reduction in a myomatous uterus and polypectomy during embryo transfer: Challenges well overcome. *Fertility Science & Research*. 2014; 1: 109-111.
31. Seema Rai, Nagaraja Narayana, Prashant Sharma, **Pankaj Talwar**. IUI in hypogonadotropic hypogonad-ism: Do not give up. *Fertility Science & Research*. 2014; 1(2).
32. Malik Sonia ,Swami Onkar , Prasad Sudha , **Talwar Pankaj**, Verma Sohani , Jain Kuldeep , Nayar Kanad , Devi Gouri , Jindal Umesh . Clomiphene citrate usage pattern in India: A knowledge, attitude, and practice survey among gynecologists. *Fertil Sci Res*. 2014; 1(2):92-97.
33. **Pankaj Talwar**, Suryakant Hayatnagarkar. Sperm function test. *Journal of Human Reproductive Sciences*. 2015; 8.
34. **Pankaj Talwar**. Review on Azoospermia published in annual bulletin of *Academy of clinical embryologist*. 2015.



35. Malik Sonia, Sohani verma, Jain Kuldeep, **Talwar Pankaj**, Good clinical practice recommendations on management of infertility in patients from India with polycystic ovary syndrome. *Fertil Sci Res.* 2015; 2: 107-32.
36. **Talwar Pankaj**. Fertility Preservation: Ovarian Tissue Cryopreservation (OTC) revisited. *Fertil Sci Res.* 2016; 3(1): 2-5.
37. Seema Rai, Nagaraja N, **Pankaj Talwar**, Prashant Sharma, Surender Mohan. Beta Human Chorionic Gonadotropin: A Prognostic Marker of In Vitro Fertilization Outcome. *International Journal of Recent Trends in Science and Technology.* 2016; 20(3): 328-332.
38. Nagaraja N, Seema Rai, **Pankaj Talwar**, Surender Mohan, Praveen Kumar, Prashant Sharma. Effect of Intra Uterine Instillation of Granulocyte Colony Stimulating Factor for Thin non-responding endometrium during IVF-ET: Non Randomized Comparative Study. *International Journal of Recent Trends in Science and Technology.* 2016; 20(3): 390-395.
39. Praveen Kumar, **Pankaj Talwar**, Surender Mohan. Laparoscopic Management of Heterotopic Pregnancy Post IVF - ET: A Retrospective Analysis of Eight Rare Cases Operated by a Single Surgeon. *International Journal of Biomedical Research.* 2016; 7(11): 785-789.
40. Kumar Praveen , Mohan Surender, **Talwar Pankaj**, Rai Seema , Nagaraja N. Diagnostic Office Vaginoscopy in Evaluation of Infertility Prior to IVF: A Retrospective Analysis of 1000 Cases. *J Obstet Gynaecol India.* 2017 Aug; 67(4): 275–281.
41. Talwar Pankaj, Yadav Sapna. Microfluidics in Andrology. *Fertil Sci Res.* 2017; 4(1): 8-14
42. **Pankaj Talwar**, Sapna Yadav. Testicular dysfunction and cancer: The current status. *Onco Fertil J.* 2018; 1:17-23.
43. Nagaraja N, Talwar P, Mukherjee B, Chakrabarty BK. Correlation between Serum Progesterone Level on the Day of Ovulation Trigger During In vitro Fertilization and Its Effect on Treatment Outcome. *J Hum Reprod Sci.* 2019;12:136-40

### Poster Presentations

1. Role of mitochondrial mutations in premature ovarian failure. International Conference of Reproductive Health and 20th Annual Meeting of the ISSRF. Feb 8-10, 2010 Jaipur. Manoj Kumar, Kishlay Kumar, Alka Kriplani, A. C. Ammini, **Pankaj Talwar** and Rima Dada.
2. Affect of varicocele on semen quality. International Conference of Reproductive Health and 20th Annual Meeting of the ISSRF. Feb 8-10, 2010 Jaipur. Monis Bilal Shamsi, Sunderanjan Venkatesh, Rajeev Kumar, Narmada Prasad Gupta, Suneeta Mittal, Neena Malhotra, Rakesh Kumar Sharma, **Pankaj Talwar** and Rima Dada.
3. Role of oxidative stress (OS) in premature ovarian failure (POF). International Conference of Reproductive Health and 20th Annual Meeting of the ISSRF. Feb 8-10, 2010 Jaipur. S. Venakatesh, A. Sharma, A. Kriplani, A. C. Ammini, **Pankaj Talwar** and Rima Dada.
4. Fertility Preservation, Marine Medicine Congress, Mumbai 2013.

## Live Workshops Conducted in the Related Field

### 1. **FOGSI Conference 2008 New Delhi**

Conducted a workshop on Reproductive Sonology and Vitrification along with Dr Lars Johnson and Dr Phillipe.

### 2. **Vitrification Workshop under aegis Indian Fertility Society** at Army Hospital (Research and Referral), New Delhi .

### 3. **Gynaecon 2009: Army Hospital (Research and Referral)** New Delhi conducted a workshop on Fertility Preservation.

### 4. **Infertility conference at MAMC New Delhi 2010**

Conducted a workshop on Advanced Embryology.

### 5. **Indian Fertility Society: National workshop on ART 2011.**

Conducted a workshop on Ovarian Tissue Freezing.

### 6. **Infertility conference at MAMC /AOGD, Delhi 2011** conducted a workshop on IUI and ART

### 7. **Andrology workshop by Dr Sonia Malik, New Delhi 2011.** Semen banking made easy.

### 8. **Live video workshop on PGD and Ultrasound RCOG.** The Assisted Conception Course Joint RCOG / BFS (British Fertility Society) 2010, Video lecture on Semen Banking, Indraprastha Apollo Hospitals New Delhi.

### 9. **Chief Organiser** of Vitrification and Advanced Embryology workshop held in Aug 2014 at New Delhi by Indian Fertility Society and AOGD.

### 10. **Chief Organiser** of Quality Control workshop held in November - 2014 at New Delhi by Indian Fertility Society and AOGD.

### 11. **Chief Organiser** of Infertility Webinar for IFS which was conducted over 20 cities live in 6 sessions 2015.

### 12. **Organising Secretary** of Ultrasound workshop – 11th International Symposiums on 1st May 2015 at New Delhi at Army Hospital.

### 13. **Organising Secretary** of Andrology workshop – 1st National Symposium on 15 st May 2015 at New Delhi at Army Hospital.

### 14. **Organising Secretary** of Fertility Preservation workshop held on 21th Sept 2015 at New Delhi at ACMS, conducted by IFS, ACE and FPSI

### 15. **Organising Secretary** of International workshop on Time Lapse Imaging conducted by IFS, ACE.

### 16. **Organising Secretary** of Pathcon Semenology course 12 Dec 2015 held at New Delhi, by IFS.

### 17. **Organising Secretary** of Men's health – Andrology workshop to held at Delhi in Feb 2016, by IFS.

### 18. **Organising Secretary** of Advanced Andrology – workshop held in Delhi in 2018.

### 19. **Organising Secretary** of Fertilty Preservation Navigator – 8 FP workshops held in india in 2018, by IFS.

### 20. **Chief Cordinator** of 6 basic and advanced courses being conducted quaterly in New Delhi by IFS.

## Academic Contributions in Infertility Meetings

2009 & 2010			
Name of the National and International Conference, Seminar Symposium, Workshop etc. with Place	Date / Year	Whether attended as a chairman of the conference or a section of it	Title of the paper present / read
Gynaecon 2009: Command Hospital, Lucknow	2009	Lecture	ART complications
<b>Indian Fertility Society (IFS) 2010</b>	2010	Lecture	Semen Banking Freezing
<b>National conference on Endocrinology and Infertility 2010</b>	2010	Lecture	In Vitro Maturation
2011			
<b>Indian Society of Assisted Reproduction (ISAR) 2011</b>	2011	Lecture	IUI in clinical practice Oocyte Freezing
<b>IFS 2011 New Delhi</b>	2011	Lecture	Oocyte Banking Male Fertility Preservation Semen Banking
<b>Muzzafarnagar Infertility Society / ISAR 2011</b>	2011	Lecture	Fertility Preservation
<b>ISAR 2011 (Agra)</b>	2011	Lecture	IUI in clinical practice Oocyte Freezing
<b>IFS 2011 (New Delhi)</b>	2011	Lecture	Oocyte Banking Male Fertility Preservation Semen Banking
<b>Muzzafarnagar Infertility Society / ISAR 2011</b>	2011	Lecture	Fertility Preservation
<b>Infertility conference at MAMC / AOGD, New Delhi 2011</b>	2011	Lecture	Ovarian Reserve

<b>Cup ART 2011, Delhi</b>	2011	Debate	Surrogacy
<b>IVF lite 2011, Goa</b>	2011	Lecture	Vitrification of Embryos
<b>ALFA meet on embryology 2011, Delhi</b>	2011	Chaired the session	Advanced Embryology
<b>4th National conference on Laparoscopy, ART by Dr PJ Paul: 2011</b>	2011	Lecture	Fertility Preservation
<b>Andrology workshop by Dr Sonia Malik, New Delhi 2011</b>	2011	Debate	WHO 2010
<b>Indian fertility society: National workshop on ART 2011</b>	2011	Workshop	Conducted a workshop on Ovarian Tissue Freezing
<b>Infertility conference at MAMC / AOGD, Delhi 2011</b>	2011	Live workshop	Conducted a live workshop on IUI and ART
<b>2012</b>			
<b>FOGSI 2012 Varanasi</b>	2012	Lecture	Lecture on Cryobiology Conducted Quiz on ART Technologies Lecture on Lab Management
<b>IMA (IFS) Meet, New Delhi 2012</b>	2012	Lecture	Fertility Preservation in male Panel Discussion on IUI Panel Discussion on PCOS
<b>Birth IVF Centre Kolkata Oct 2012</b>	2012	Lecture	Onco Fertility
<b>IFS Dec 2012</b>	2012	Lecture	Lecture on Embryo Transfer Panel Discussion on ART Chaired sessions: Male infertility and USG in ART Lecture on Vitrification
<b>IES Dec 2012 (CRM)</b>	2012	Lecture	Lecture on Vitrification Lecture on Fertility Preservation

2013			
<b>FOGSI 2013, Mumbai</b>	2013	Lecture	Lecture on Fertility Preservation Chaired keynote address session in ART in India ICMR guidelines Panel Discussion
<b>Gynaecon Oct 2013, AFMC, Pune</b>	2013	Lecture	Lecture on Vitrification of Embryos and Oocytes
<b>Infertility Meet under aegis of IFS: Varanasi</b>	2013	Lecture	Panel Discussion on Andrology Lecture on gamete banking
<b>Indian Fertility Society Annual Meet</b>	2013	Lecture	Lecture on Vitrification Lecture on Lab Management Lecture on Embryo Transfer Lecture on autologous mitochondrial transfer for ageing oocytes National faculty in ESHRE certified embryology Trg module Organizing secretary of the clinical Andrology workshop Lecture on donor sperm banking Lecture on sperm function tests and semen analysis Lecture on Ovarian tissue banking Chaired a free paper session
2014			
<b>IFS Antioxidant1 meet on 18 Feb 2014</b>	2014	Panel Discussion	Conducted a Panel Discussion
<b>IFS Antioxidant – 2 meet on 06 Mar 2014</b>	2014	Panel Discussion	Conducted a Panel Discussion
<b>AIIMS Infertility conference</b>	25 Apr	Lecture	Presented a paper on Vitrification

<b>International conference on endoscopy and Infertility, Pune</b>	4 May	Lecture	Presented a paper on Fertility Preservation
<b>IFS Conference Chandigarh</b>	4 Jun	Lecture	Presented a paper on Vitrification
<b>Conducted PCOS Consensus under aegis of IFS Mumbai</b>	15 Jun	Panel Discussion	Moderator of the Consensus
<b>Conducted a Panel Discussion on Fertility Preservation under Aegis, FPSI India</b>	11 July	Panel Discussion	Moderator of the Consensus
<b>Embryology Workshop on Vitirfication and Time Lapse Technology, New Delhi</b>	13 Aug	Lecture	Vitrification, Organising Secretary
<b>National Infertility meet ESIC Hospital, New Delhi</b>	28 Jul	Lecture	Fertility Preservation
<b>Woops Jaipur 2014, Jaipur</b>	8 Aug	Lecture	Ovarian Cortex Freezing
<b>ACE 2014 Indore</b>	9 Aug	Lecture	Setting up an Cryobiology Lab
<b>ACE 2014 Indore</b>	9 Aug	Lecture	IT In ART
<b>Fertility Preservation Society of India 2014, New Delhi</b>	7 Sep	Panel Discussion	Moderator of the Panel
<b>Fertility Preservation Society of India 2014</b>	8 Sep	Organizing Secretary	Vitrification of Ovarian Cortex
<b>National Semenology Meet 2014, Pune</b>	9 Sep	Lecture	Semen Analysis
<b>National Semenology Meet 2014, Pune</b>	9 Sep	Lecture	Semen Freezing
<b>IFS Workshop, Dehradun 2014</b>	9 Oct	Lecture Live Demonstration	Antioxidants in IUI IUI sample preparation



## 2015

<b>IFS Annual Meeting, 2015 Pune</b>	24 Dec	ESHRE Embryology Workshop	Spermatogenesis
		Lecture	Ovarian Cortex Freezing
		Conducted a Panel Discussion	Oocyte Banking
		Conducted Fellowship Exam	Conducted Entrance Examination
		Live Demonstration	Ovarian Cortex Freezing Oocyte Vitrification
		Free paper Session	Conducted 3 Sessions
		Poster Presentation	Judge
<b>ART Update AIIMS</b>	8 Feb	Lecture  Live demonstration	Ovarian Cortex Vitrification  Chief Coordinator, Vitrification of Oocytes, Sperms and Embryos
<b>Workshop on QA QC Army Hospital, New Delhi</b>	21 Nov	Lecture & Video Demonstration	QA QC
<b>IFS Connect, IFS New Delhi</b>	16 Nov	Lecture & Video Demonstration	Vitrification Tips and Tricks
<b>IMA, Annual Meet Ashok hotel New Delhi</b>	10 Jan	Lecture	XY Chromosome and Fertility
<b>Fogsi, National Meet Chennai</b>	21 Jan	Panel Discussion  Debate	Session on Fertility Preservation  Debate on "Freeze for All"

<b>National Conference on ART, Kanpur</b>	1 Feb	Lecture	Role of Ultrasound in Radiology
<b>MAMC IUI Conference, Delhi</b>	14 Feb	Lecture	Complications of IUI
<b>MAMC IUI Conference New Delhi</b>	14 Feb	Workshop	Semen preparation for IUI
<b>Indian PCOS Guidelines Meet</b>	10 Mar	Consensus Meet	Conducted Key Pad Round
<b>Indian PCOS Guidelines Meet</b>	10 Mar	Consensus Meet	Panel Discussion
<b>Webinar, New Delhi</b>	21 Mar	Lecture	Fertility Preservation
<b>National Update, Udaipur</b>	22 Mar	Lecture	Prerequisites for ART Ultrasound in ART
<b>Ferticon New Delhi</b>	2015	Lecture	Moving from Gynecology to ART
<b>MSR 2015, Aurangabad</b>	29 Mar	Lecture	Fertility Preservation
<b>IFS Webinar Series</b>	6 Jan 21 Jan 6 Feb 21 Feb 21 Mar	Conducted across 23 cities Moderator and Chief Organizer	Male Infertility Female Infertility Recent Advances
<b>IFS Webinar Series New Delhi</b>	21 Mar	Conducted across 23 cities	Talk On Fertility Preservation
<b>Infertility Update Udaipur</b>	22 Mar	Lecture	Ultrasound in ART Gynecology to ART
<b>SFT Standardization Workshop Army Hospital (Research and Referral)</b>	12 Apr	Live Demonstration	Sperm Function Test
<b>Plant Cryobiology, PUSA Institute Delhi, ICAR</b>	27 Apr	Lecture	Ovarian Cortex Freezing

<b>ISUOG</b>	1 May	Organizing Sec Lecture	Ultrasound Workshop
<b>ISUOG</b>	3 May	Chairperson Moderated a Panel Discussion	Ultrasound in Infertility Panel Reproductive Ultrasound
<b>West Delhi Infertility Conference</b>	26 Apr	Lecture	Ultrasound in IUI
<b>Embryology Update LKO</b>	10 May	Conducted a live workshop on Advanced Embryology	ICSI, Micromanipulation, Vitrification
<b>IUI Work shop Udaipur</b>	17 May	Lecture and Demonstration	IUI Protocols and Semen Preparation
<b>Andrology Update</b>	24 May	Organizing Sec	Hand on SFT Workshop
<b>Society of Fetal Medicine</b>	19 Jul	Lecture	PGS/PGD
<b>Yuva FOGSI Jodhpur 2015</b>	1 Aug	Panellist Lecture	Panel Discussion RIF
<b>Trichy FOGSI</b>	8 Aug	Moderator Lecture	Panel discussion on Infertility IUI
<b>Chennai IFS</b>	9 Aug	Lecture	PGS/PGD
<b>FENIX AIIMS</b>	16 Aug	Lecture	Fertility Preservation and Cryobiology
<b>Infertility Meet AOGD, South Delhi</b>	25 Sep	Chair Person Lecture	Fibroids in IVF Male Infertility
<b>FPSI 2015</b>	27 Sep	Organising Secretary Lecture	Male Infertility and Cancer Ovarian Cortex Freezing
<b>FPSI 2015</b>	28 Sep	Lecture	Cancer and Infertility
<b>CME FPSI and Apollo Hospital, New Delhi</b>	12 Sept	Moderator of Panel Discussion	Cancer - Case scenarios in Infertility

<b>ACE Kochi</b>	18-20 Sept	Moderator of Panel Discussion Lecture	PGS/PGD  Semen Banking
<b>ISAR National Meet Kolkata</b>	4 Oct	Lecture	Fertility Preservation
<b>HMC DOHA, Andrology meet</b>	13-15 Nov	Live workshop  Lectures	Oocyte Freezing Semen Analysis and IUI  PGS/PGD Rare Sperm Freezing Embryo Transfer Stimulation Protocols in ART
<b>FOGSI Allahabad</b>	16 Nov	Lecture Live Workshop	Male Infertility Semen Analysis and IUI
<b>FOGSI Gorakhpur</b>	17 Nov	Lecture Live Workshop	Male Infertility Semen Analysis and IUI
<b>FOGSI Gangtok</b>	27 Nov	Organising Sec Lecture	IUI Workshop and Andrology Fertility Preservation
<b>IFS Siliguri</b>	28 Nov	Organising Sec	Infertility Meet
<b>IFS National Meet 2015</b>	4-6 Dec	Workshop Lecture	Vitrification
		Lecture	Ovarian Cortex Freezing
		Chief Examiner	IFS Fellowship Entrance and Exit Exam
		In Charge Souvenir Committee	Judge Free Paper Session
			Chairperson of Session on Male Infertility
<b>Association of Practicing Pathologists of Delhi and IFS 2015</b>	12 Dec	Live Workshop Organising Sec	Semen Analysis and Andrology
<b>Krishna IVF centre, VIZAG</b>	13 Dec	Lectures	Stem Cells in Male Infertility Ovarian Tissue Banking

<b>IFS Consensus Meet on PCOS in Infertility</b>	20 Dec	Moderator	Management of Infertility in Patients with Polycystic Ovary Syndrome from India
<b>AOGD, Infertility and Reproductive Endocrinology Committee, Fortis Hospital Shalimar Bagh</b>	24 Dec	Lecture	Male Infertility
<b>2016</b>			
<b>AOGD Oncology Committee, Safdarjung Hospital</b>	9 Jan	Lecture	Fertility Preservation in cancer
<b>Smart OBG Mumbai, MOGS</b>	15 Apr	Lecture	Egg and Ovarian Tissue
<b>Infertility Update, Rohtak</b>	15 May	Lecture	Male Infertility
<b>Infertility Update, Rohtak</b>	15 May	Panel discussion	Trouble Shooting in IUI
<b>ISAR Crystal Academy</b>	11 Jun	Lecture	Set up of an IUI Lab
<b>ISAR Crystal Academy</b>	11 Jun	Lecture	Semen Preparation for IUI
<b>ACE Jaipur</b>	23 Aug	Workshop Coordinator	Andrology
<b>ACE Jaipur</b>	23 Aug	Lecture	Ovarian Cortex Freezing
<b>FPSI, Bangalore</b>	27 Aug	Organising Secretary	Conference
<b>FPSI, Bangalore</b>	27 Aug	Moderator: Panel Discussion	Safety Issues during IVF for Oncofertility
<b>Bangladesh, CMH Dhaka</b>	20-23 June	Visiting Professor	Semen Analysis, Embryology, Set up of an IUI /ART centre

<b>Wadia Hospital Mumbai</b>	13 Aug	Lectures	Fertility Preservation Ovarian Cortex Freezing
<b>IFFS 2016</b>	25 Sept	Lecture	Adenomyosis
	22 Sept	Workshop Lecture	Fertility Preservation
	21 Sept	Work shop Organiser	PGS / PGD
	21Sept	Panel Discussion	QA QC of the laboratory
<b>Fortis Shalimar bagh</b>	21 Oct	Moderator/ Chair-Person	Male Infertility Lecture
<b>Goverenmemt Medical College Amritsar</b>	22 Oct	IUI workshop Convenor	Hands-on Workshop
		Lectures	Semen Preparation and setting up of an IUI Lab
<b>Milan Bangalore</b>	3 Nov	Work shop Demonstration	Ovarian Cortex Freezing
		Lecture	Fertility Preservation
<b>UACME Webinar, New Delhi</b>	9 Nov	Web Telecast	Male and Female Infertility
<b>AOGD</b>	11 Nov	Convener	Advance ART Pre conference Workshop AOGD
<b>ESHRE Embryology Course</b>	5-8 Nov	Lectures	Cryobiology Sperm Physiology
<b>IFS Lucknow</b>	9 Dec	Convener	Innovations in ART
<b>2017</b>			
<b>Low Cost IVF</b>	11 Feb	Speaker	When to shift to ART
<b>Patiala Infertility Meet</b>	19 Feb	Speaker	Male Infertility



<b>Mohali PCOS</b>	5 Mar	Speaker	Ovulation Induction
<b>Jipmer Update</b>	16 Mar	Workshop Coordinator	Embryology and FP
<b>Jipmer Update</b>	17 Mar	JSS Guest Lecture	Fertility Preservation
<b>UCMS Update</b>	26 Mar	Speaker	How to Raise an IUI Unit
<b>UCMS Update</b>	26 Mar	Speaker	IUI Hands-On
<b>Jaipur Fertility Update</b>	9 July	Speaker	Semen Analysis
<b>Jaipur fertility Update</b>	9 July	Demonstrator	IUI Techniques
<b>FPSI 2017</b>	19 Aug	Speaker	FP in Male
<b>FPSI 2017</b>	19 Aug	Demonstrator	OTC
<b>ACE Hydrabad</b>	15-17 Sept	Moderator	Vitrification
<b>ACE Hydrabad</b>	15-17 Sept	Speaker	Sperm Vitrification
<b>Kanpur</b>	10 Sept	Speaker	Fertility Preservation
<b>Maulana I nfertility Update</b>	29 Oct	Speaker	PGS/PGD
<b>Ambala Infertility Update</b>	2 April	Speaker	OTC
<b>Ambala Infertility Update</b>		Speaker	OI in Hyper Responder
<b>Kannur Infertilty Update</b>	31 Oct		Fertility Preservation
<b>Ajanta LKO</b>	12 Nov	Speaker	Shift to ART
<b>MAMC</b>	12 Nov	Speaker	Setting up of an ART Unit
<b>KGMU</b>	11Nov	Oration	Fertility Preservation
<b>AOGD 2017</b>	17 Nov	Speaker	OTC

CIIM 2017	26 Nov	Speaker	PCOS and RIF
ESHRE Embryology	6 Dec	Speaker	Cryobiology
Fertivision 2017	8-10 Dec	Speaker	Oocyte Banking
Fertivision 2017	8-10 Dec	Demonstrator	Cryobiology workshop
Ahmedabad ISAR	16-17 Dec	Speaker	Raising a FP Unit
<b>2018</b>			
<b>4 G Andrology, Delhi</b>	21 Jan	Convener and Speaker	Microfluidics in ART
<b>4 G Andrology, Delhi</b>	21 Jan	Speaker	Microfluidics Hands-on
<b>ISAR Bhopal</b>	27 Jan	Speaker	PCOS
<b>ISAR Bhopal</b>	27 Jan	Speaker	Why an Excellent Embryo Does Not Implant
<b>ISAR Bhopal</b>	27 Jan	Moderator	Vitrification
<b>FOGSI Bubneshwar</b>		Speaker	OHSS
<b>FP Navigator LKO</b>	25 Feb	Moderator	FP Panel Discussion
<b>FP Navigator Ahmedabad</b>	11 Feb	Moderator	FP Panel Discussion
<b>Communicon, Delhi</b>	25 Mar	Panelist	Medico Legal Issues
<b>Pondicherry IFS</b>	7 Apr	Speaker	ICMR Guidelines
<b>Kolkata ISAR</b>	22 Apr	Speaker	Sperm Vitrification
<b>Kolkata ISAR</b>	22 Apr	Speaker	Raising a Fertility Unit
<b>FP Navigator Guwahati</b>	20 May	Moderator	FP Panel Discussion

<b>Goa TOG conclave</b>	26 May	Moderator	LPS
<b>ACE Masterclasses</b>	10 June	Speaker	Vitrification
<b>UP Infertility Update</b>	21 June	Speaker	ICMR guidelines
<b>Infertility Update, Trivandrum</b>	25 June	Speaker	Endometriosis
<b>Uttarakhand IFS Update</b>	15 July	Speaker	ICMR Guidelines
<b>Haryana IFS Update</b>	18 July	Speaker	Male Fertility
<b>Yuva ISAR, Chennai</b>	21 July	Moderator	RIF
<b>Yuva ISAR, Chennai</b>	21 July	Speaker	Sperm Vitrification
<b>KISAR, Bangalore</b>	29 July	Speaker	Vitrification Trouble Shooting
<b>KISAR, Bangalore</b>	29 July	Speaker	Fertility Preservation
<b>ACE, Goa</b>	19 Aug	Speaker	DNA Fragmentation
<b>CME &amp; Workshop on Infertility, Trichy</b>	15 Sep	Speaker	WHO Parameters of Semen Analysis
		Speaker	Sperm Function Test (SFT) Why? Clinical Relevance
<b>2<sup>nd</sup> Congress of the ASFP &amp; FERTIPROTECT, NewDelhi</b>	22 Sep	Speaker	Current Role of the Ovarian Cortex Freezing in ART practice
<b>Economic Times Conclave, New Delhi</b>	26 Oct	Moderator	USG in Infertility
<b>Wockardt, Chennai</b>	19 Nov	Speaker	Male Infertility
<b>IFS - Fertilvision</b>	14 Dec	Speaker	Chemical & Microbial Contamination in ART Lab
		Speaker	Technical Challenges: Take Home Message

2019			
Poor Ovarian Reserve, Lucknow	30 Jan	Speaker	Poor Ovarian Reserve & Embryology
Recent trends in Infertility, MAMC, New Delhi	10 Feb	Speaker	Cryopreservation: Gamete & Embryos
Current Concepts in Infertility, Rewari	10 Feb	Speaker	Male Infertility
Motivational Talk, Wockardt, New Delhi	20 Feb	Speaker	Motivational Talk
Narchi Workshop, New Delhi	20 Feb	Speaker	Fertility Preservation
Annual Meet UP West, Bareilly	24 Feb	Speaker	Male Infertility
	24 Feb	Moderator	Ethics in ART
Economic Times Conclave, Mumbai	7 Mar	Moderator	Panel Discussion on Ethics in Infertility
Cancer & Fertility Preservation, Nagpur	10 Mar	Moderator	Fertility Preservation “Facts & Dilemma”
Endometriosis & Male Infertility, Karnal	31 Mar	Moderator	Male Infertility: Case Discussion
Conference on Communication in Healthcare	7 Apr	Chairperson	
An Update in Gynecological Malignancies (Amalgamating Basics and Evidence), New Delhi	13 Apr	Panelist	Management of Oncofertility in Young Girls: The changing rules
Basic Essentials for Fertility, Rishikesh	14 Apr	Speaker	Male Factor Infertility
		Moderator	Ethics in ART

<b>Current Concepts in Infertility, Chandigarh</b>	21 Apr	Speaker	ART in Male Infertility- What, When and in Whom?
		Moderator	Hands on workshop on IUI and Semen Cryopreservation
<b>Healthy Pregnancy Workshop, New Delhi</b>	24 Apr	Speaker	Luteal Phase Support
<b>Annual CME IFS-UP</b>	27 Apr	Speaker	Role of Ultrasound in Female Infertility
<b>Annual CME- Punjab Chapter, Jalandhar</b>	28 Apr	Speaker	Ultrasound in Female Infertility
<b>Gynae Forum, Rajouri Garden, New Delhi</b>	4 May	Moderator	Dilemma in Fertility Management
<b>IUI Workshop, Sofat Hospital, Ludhiana</b>	5 May	Speaker	IUI: Video Presentation
		Moderator	Hands on workshop on IUI
<b>Annual Meeting, Haryana Chapter</b>	5 May	Moderator	Azoospermia: What Next?
<b>Delhi Gynae Forum</b>	30 May	Chairperson	
<b>ISAR-IFS-ACE: Embryology Consensus</b>	1-2 Jun	Group Leader	Lab Consensus
<b>IMS Delhi</b>	8 Jun	Speaker	Newer Advances in Male Infertility
<b>ART Conclave 2019</b>	16 Jun	Speaker	Fertility Preservation Scenario- Are We There Yet
		Speaker	HMG vs rFSH- Cost vs Benefit
		Panelist	Oligoasthenoteratospermia- Treat the man or treat the Sperm
<b>Ghaziabad Gynae Forum</b>	19 Jun	Speaker	Fertility Preservation

<b>ISAR-IFS-ACE: ART Consensus</b>	25 - 26 Jun	Group Leader	Third Party Reproduction
<b>East Delhi Gynae Forum</b>	26 Jun	Speaker	Micronutrients in Male Infertility
<b>ISAR Coval Infertility Meet, Coimbatore</b>	30 Jun	Speaker	Male Infertility
<b>South Delhi Gynae Forum</b>	1 Jul	Speaker	Antioxidants in Male Infertility
<b>Annual Conference of ACE, Chennai</b>	20 Jul	Speaker	Single Sperm Freezing

## 2021

<b>Gurgaon Obstetrics and Gynaecological Society</b>	21 Apr	Panel Discussion	Commandments of setting up an ART clinic
<b>NABHA Obstetrics and Gynaecological society, Patiala</b>	26 Jun	Lecture	Luteal phase defect "An evidence based approach"
<b>Webinar</b>	15 Jul	Lecture	Fertility Preservation in cancer patients- Update 2021
<b>Surat O and G Society - IFS Webinar</b>	10 Sep	Lecture	How will you approach a case presenting with abnormal semen parameters
<b>Interactive Webinar - Birla Fertility and IVF group</b>	11 Sep	Convenor Panel discussion	Tips and Tricks of raising an IVF unit
<b>Interactive Webinar - Birla Fertility and IVF group, Lucknow chapter</b>	19 Sep	Convenor Panel discussion	Male infertility- current scenario
<b>IFS SIG - Fertility Preservation Emerging trends</b>	26 Sep	Panel Discussion	Fertility Preservation- Where we stand in 2021?



<b>Online academic session - Birla Fertility and IVF</b>	26 Sep	Lecture	Semen analysis - Tips and Tricks
<b>ACE 2021, Kolkata</b>	1-3 Oct	Lecture	Workshop- Optimisation of vitrification- advanced techniques
<b>IFS SIG- Andrology</b>	17 Oct	Lecture	Sperm preparation technique
<b>AGOG</b>	27 Oct	Lecture	Sperm selection in ART - What is new?
<b>AOGD, New Delhi</b>	30 Oct	Lecture	Diminished Ovarian reserve
<b>43<sup>rd</sup> Annual AOGD Conference, New Delhi</b>	19-21 Nov	Lecture	Semen parameters "What is new in WHO manual 2021"
<b>KOGS Webinar</b>	25 Nov	Lecture	PCOS in Infertility- Way ahead and recent advance
<b>Fertiprotect - 8<sup>th</sup> Annual conference of FPS</b>	28 Nov	Faculty	Sperm vitrification and outcomes compared to slow freeze
<b>Gynecon 2021, AFMC Pune</b>	11-12 Dec	Lecture	Past, Present and Future of IVF
<b>GOGS Annual chapter - Infertility Workshop</b>	18 Dec	Lecture	Semen analysis update from 2021 WHO manual

## 2022

<b>Fusion 2022 (ESHRE. IFS. ISAR)</b>	4-6 Feb	Chairperson	Cancer and female Infertility- Cryo Preservation
<b>International Conference on Reproductive Healthcare &amp; 32<sup>nd</sup> Annual Meeting of the Indian Society for the Study of Reproduction and Fertility (ISSRF-2022)</b>	11-13 Feb	Lecture	
<b>Goa</b>	23 Mar	Lecture	Role of Cetrolax and Leuprolide in IVF

<b>6<sup>th</sup> Embryology National ISAR Conference, Raipur</b>	25-27 Mar	Lecture	Evaluation of temperature, PH, Osmolarity, VOCs in the IVF Lab
		Panel Discussion	Optimising IVF results with current evidence
<b>Birla Fertility and IVF, and AOGD</b>	29 Mar	Convenor	Endometriosis
<b>ISAR Odisha CME, Cuttack</b>	30 Mar	Lecture	Male factor in fertility management - The neglected chapter
<b>IFS Haryana chapter</b>	31 Mar	Lecture	ART Rules and Regulations
<b>AICOG Indore</b>	4-8 Apr	Lecture	Ovulation induction Simplified approach to COH in normal reproduction
<b>IFS Conference, Mohbtabad (Haryana)</b>	20-21 Aug	Expert	Management of Poor ovarian response
<b>Fertility unscripted- Birla Fertility and IVF, New Delhi</b>	22 Apr - 23 Aug	Convenor	PCOS in infertility IUI and beyond
<b>IFS Odisha Chapter, Bhubh-neshwar</b>	25 May	Lecture	ICSI in Teratozoo Spermia
<b>Oman CME Webinar</b>	8 Jun	Lecture	Ovulation induction unscripted
<b>GOGS</b>	12 Jun	Lecture	Past, present and future of infertility
<b>Agra Obstetrics and Gynaecological Society, Agra</b>	12 Jun	Lecture	Past, present and future of infertility
<b>ESHRE 38<sup>th</sup> Annual meeting, Milan (Italy)</b>	3-6 Jul	Chairperson	Fibroids and Fertility
<b>IFS Punjab Annual Conference</b>	17 Jul	Faculty	IUI in 2022

<b>IFS Chattisgarh chapter</b>	3 Jul	Lecture	Updated Surrogacy Bill 2022
<b>IFS Lucknow chapter</b>	4 Jul	Lecture	IUI
<b>IFS Haryana chapter- 2nd Annual conference, Gurgaon</b>	10-11 Sep	Lecture	Newer advances in male infertility
<b>IFS Rajasthan chapter, Jaipur</b>	1 Oct	Lecture	Effect of millenium lifestyle on sperm parameters and male infertility
		Panel Discussion	POI Is environment responsible?
<b>10<sup>th</sup> IFS ESHRE Course Scientific Program</b>	Weekly from 30 Oct - 27 Nov	Lecture	Developmental Biology, Embryonic Stem cells The Foetal Ovary, The Foetal Testes
<b>3<sup>rd</sup> Annual Conference IFS, Raipur</b>	6 Nov	Lecture	Sperm Function test, Stimulation Protocols and management of poor responders, Semen analysis to preparation
<b>44<sup>th</sup> Annual AOGD Conference, New Delhi</b>	12-13 Nov	Lecture	Setting up of IUI Lab an prerequisites as per new ART Law
<b>IFS Madhya Pradesh CME on Infertility and Fellowship award ceremony, Bhopal</b>	27 Nov	Panel discussion	How to move from IUI practice to IVF practice?
<b>MOGS Muradabad</b>	7 Dec	Lecture	Optimising ovulation induction and its management
<b>FERTIVISION 2022</b>	9-11 Dec	Lecture	Bell jar to cloud- Beginning of the end

## 2023

<b>65<sup>th</sup> All India Congress of Obstetrics and Gynaecology</b>	6 Jan	Lecture	Industry session on ovulation induction
<b>AICOG at Kolkata</b>	5-6 Jan	Lecture	Ovulation Induction
<b>CME Gorakhpur</b>	22 Jan	Panel Discussion	Moderation: What Gynecologist should know about Infertility
<b>ISAR - 27 Annual Conference - Bhopal</b>	3 Feb	Panelist	Workshop: Enigmatic Infertility - insight into treatment (Trivector)
<b>ISAR - 27 Annual Conference - Bhopal</b>	3 Feb	Lecture	Single or rare sperm vitrification (Workshop: Enigmatic male infertility - insight into treatment)
<b>ISAR - 27 Annual Conference - Bhopal</b>	3 Feb	Judge	The Embryo/reproduction genetics (Debate: should I invest in a time-lapse equipment)
<b>ISAR - 27 Annual Conference - Bhopal</b>	5 Feb	Lecture	Sperm selection Techniques - which is the right method?
<b>IVF Hall of Fame Award conducted by Economics Times</b>	21 Feb	Discussion	Fire Discussion on Infertility in ART
<b>Amity University</b>	23 Feb	Lecture	Cryobiology
<b>CME Noida</b>	3 Mar	Panel Discussion	Moderation: What Gynecologist should know about Infertility
<b>34 Annual UP Conference of Obstetrics and Gynecology</b>	17 Mar	Lecture	ART Workshop on "Newer Treatment modalities and inventions in ART"
<b>ISAR Vadodara</b>	9 Apr	Lecture	OATS

<b>Endofert Conference and Workshop organized by Jaypee Hospital</b>	14 Apr	Lecture	New ART Rules - What should a Gynecologist know
<b>IFS Vijayawada</b>	22-24 Apr	Lecture	OATS
<b>2<sup>nd</sup> Rajagoicon</b>	30 Apr	Lecture	Handling fertility issues in hereditary breast and ovarian cancer patient
<b>IFS Punjab and IFS Chandigarh</b>	30 May	Lecture	Hormones in Clinical Relevance on FSH and LH in IVF
<b>CME Patna</b>	28 May	Lecture	Moderation: What Gynecologist should know about Infertility
<b>ASRM</b>	2 Jun	Lecture	Moderate: Fertility Preservation
<b>2<sup>nd</sup> Annual Conference - IFS Vidarbha (Nagpur) Chapter</b>	4 Jun	Lecture	Caring for the Ovary & Endometrium

## A quick glimpse of Esteemed Alumni of Clinical & Embryology Academy of ART

Courses	Date/Year	No. of Participants
<b>OFFLINE COURSES</b>		
E-01	January, 2022	03
E-01	February (1 <sup>st</sup> Week), 2020	03
E-01	February (2 <sup>nd</sup> Week), 2020	07
E-01	February (3 <sup>rd</sup> Week), 2020	03
<b>ONLINE COURSES</b>		
E-01	June, 2020	20 (17+3)
E-02	August, 2020	50 (48+2)
E-03	October, 2020	48 (48+0)
E-04	December, 2020	55 (54+1)
WE IVF 1	January	19 (19+0)
E-05	February, 2021	65 (65+0)
E-06	April – May, 2021	72 (63+09)
E-07	June – July, 2021	68 (66+02)
E-08	September, 2021	82 (80+2)
E-09	December, 2021	92 (86+6)
E-10	February, 2022	101 (98+3)
E-11	September, 2022	110
E-12	November, 2022	121
E-13	February, 2023	150
E-14	May, 2023	82
E-15	July, 2023	128
E-16	November, 2023	142
<b>International Batches (November – December 2020)</b>		
1	Myanmar	13
2	Kenya	15
3	Nigeria and Uganda	12
4	Philippines	12

**Short CBR Courses (5+10)**

**Total - 1500**

(There could be some repeat candidates)



**i-Ceat**  
(Clinical and embryology academy of ART)

It has served the cause of learning extensively in past 3.5 yrs

**No of Hours Taught**

A. Online Curtain Raisers  
(50 editions) x 2 hrs = 100 hrs

B. Hands On Teaching  
1500+ hrs

C. Hybrid Training Courses and Masterclasses  
1650+ hrs

D. Global Digital University  
80+ hrs

Total Teaching hrs  
3400+ hrs



**1500 courses enrolled across 23 countries.**

**More than 8000 Students Trained via Complimentary Teaching Across 34 Countries.**



## Curtain Raiser List

CR's	Date/Year	Title of the Topicx
CR-1	01 Nov. 2020	Plastics in IVF Lab
CR-2	08 Nov. 2020	Microscopes in ART Lab
CR-3	22 Nov. 2020	Air Quality in IVF Lab
CR-4	27 Dec. 2020	OPU Needles in IVF
CR-5	24 Jan. 2021	Embryo Transfer Catheters in IVF
CR-6	28 Mar. 2021	IUI (Intrauterine Insemination) Protocols for Beginners
CR-7	4 Apr. 2021	Physics of Ultrasound for IUI & IVF
CR-8	2 May 2021	Gonadotropins in ART
CR-9	16 May 2021	Luteal Phase Defect
CR-10	30 May 2021	Azoospermia
CR-11	13 Jun. 2021	Male Infertility Tips & Tricks
CR-12	27 Jun. 2021	IUI Tips & Tricks
CR-13	11 Jul. 2021	Adjuvants in IUI, IVF & Embryology
CR-14	1 Aug. 2021	HSG Interpretation Tips & Tricks
CR-15	15 Aug. 2021	Hormonal Evaluation in Infertility
CR-16	5 Sep. 2021	Ovarian Reserve Assessment
CR-17	10 Oct. 2021	ENDOMETRIOSIS IUI & IVF
CR-18	31 Oct. 2021	Male Sexual Dysfunction
CR-19	14 Nov. 2021	Selecting the best sperm for IUI and IVF
CR-20	5 Dec. 2021	Antioxidants in ART
CR-21	26 Dec. 2021	PCOS in ART
CR-22	9 Jan. 2022	ART Act 2021
CR-23	23 Jan. 2022	Thin Endometrium (Part - 1)
CR-24	30 Jan. 2022	Best Incubators for an IVF Laboratory
CR-25	20 Feb. 2022	Fertility Preservation & ART
CR-26	27 Feb. 2022	Semen Analysis 6th Edition - What's new & why
CR-27	27 Jan. 2023	Ovulation induction in ART - Ten commandments.
CR-28	29 Jul. 2023	ART Guidelines Notifications and consents
CR-29	12 Aug. 2022	Hypo and Hyper Responders- How to stimulate (12.08.2023)
CR-30	26 Aug. 2022	IUI in Present Era: When, Where & How

CR's	Date/Year	Title of the Topicx
CR-31	9 Sep. 2022	Ovarian Reserve Testing, All About Age, AMH & AFC
CR-32	23 Sep. 2022	Low or no sperm, what to do
CR-33	30 Sep. 2022	Tubal Testing - HSG, SIS or HyCoSy
CR-34	7 Oct. 2022	EMBRYO GRADING for Clinicians & Embryologist
CR-35	18 Nov. 2022	Ovulation Induction Tips & Tricks
CR-36	25 Nov. 2022	Poor Responders & The POSEIDON Criteria
CR-37	28 Dec. 2022	Endometriosis For Clinicians & Embryologists Lessons of 2022
CR-38	20 Jan. 2023	Past, Present & Future of Infertility
CR-39	27 Jan. 2023	Male Infertility – Role of Clinicians, Embryologists & Adjuvants
CR-40	17 Feb. 2023	Hydrosalpinx, Endometrioma, Dermoid & Paraovarian Cyst
CR-41	10 Mar. 2023	Assisted Reproductive Technologies Act 2021 - Notification, RTI & where we stand in 2023
CR-42	24 Mar. 2023	Batch IVF – Protocol, Labware, Incubators and us
CR-43	28 Apr. 2023	Culture Media & IVF – Beyond single & Sequential: Pricing & usage
CR-44	12 May 2023	Management of Low Sperm Count, Poor Morphology & Motility
CR-45	9 Jun. 2023	Luteal Phase Support & Progesterone – 1
CR-46	30 Jun. 2023	Luteal Phase Support – 2
CR-47	21 Jul. 2023	Letrozole in ART
CR-48	18 Aug. 2023	How to Improve Implantation in IUI & IVF
CR-49	1 Sep. 2023	Factors Affecting Success in Embryo Transfer
CR-50	20 Sep. 2023	Recurrent Pregnancy Loss

## E - Bulletins

Editor in chief (IFS)

These are being circulated to 6000 Gynaecologist every month

### Nexus (Clinical Embryology)

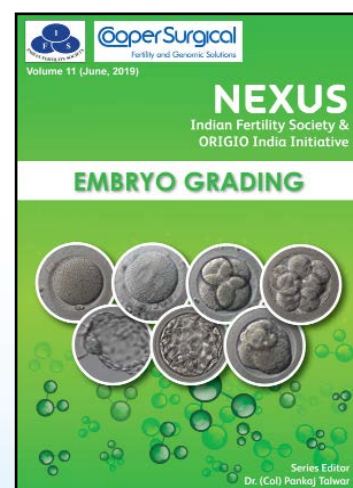
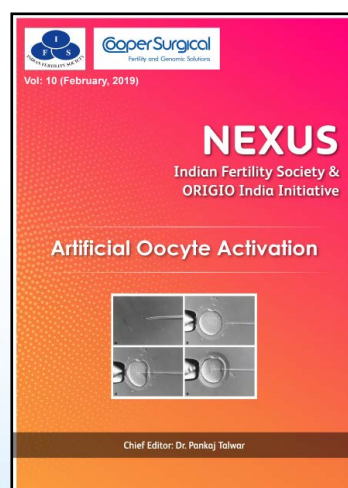
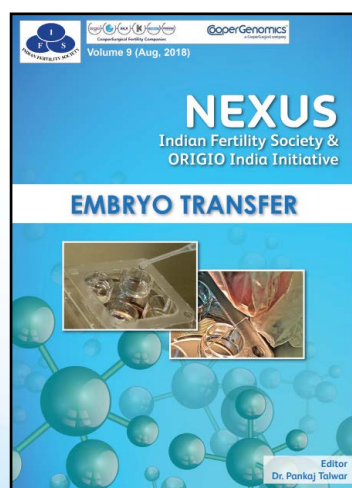
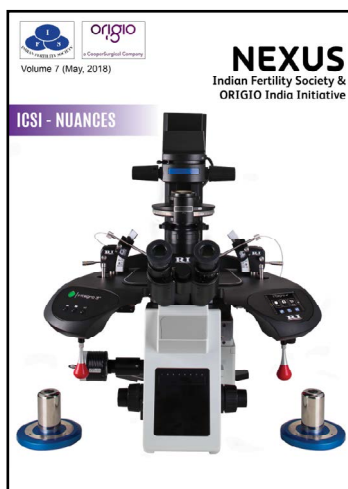
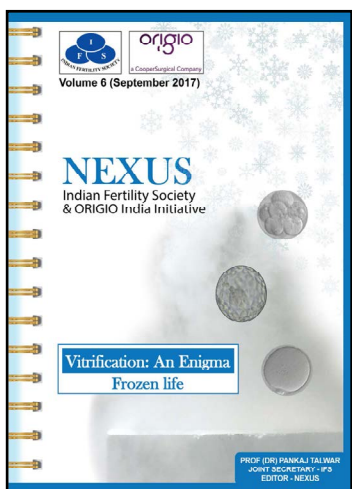
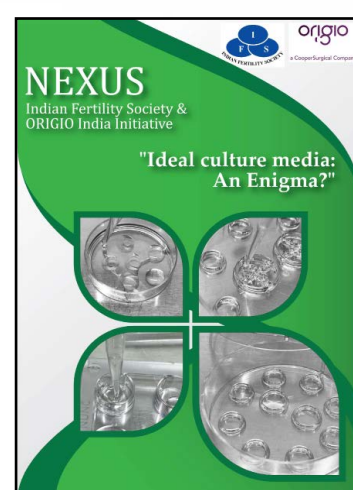
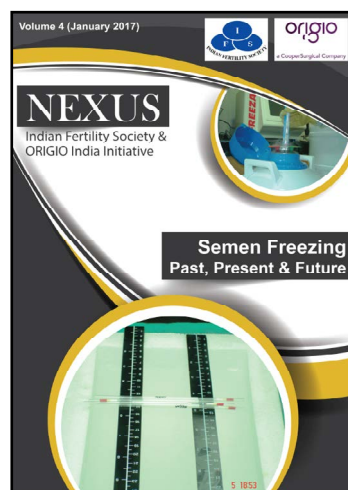
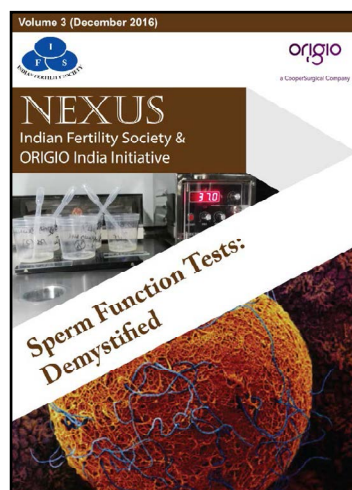
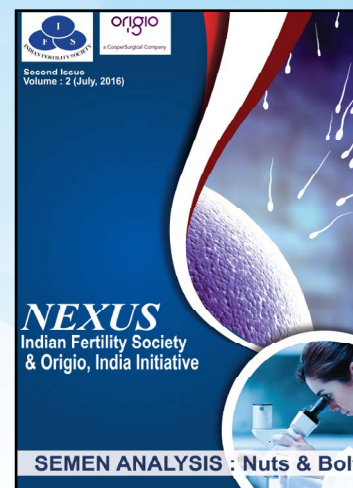
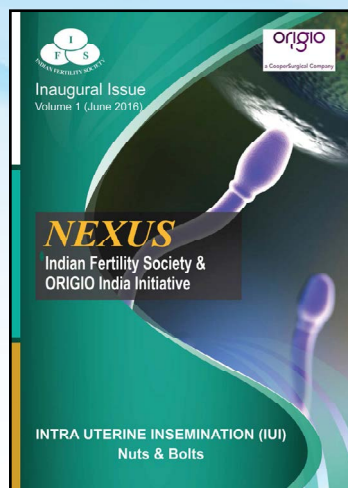
1. IUI
2. Semen Analysis
3. Sperm Function Test
4. Semen Freezing
5. Ideal Culture Media
6. Vitricification
7. ICSI Nuances
8. Ovum Pick Up
9. Embryo Transfer
10. Artificial Oocyte Activation
11. Embryo Grading

### Artext (Clinical ART)

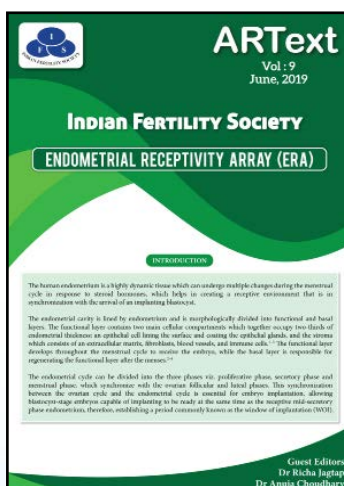
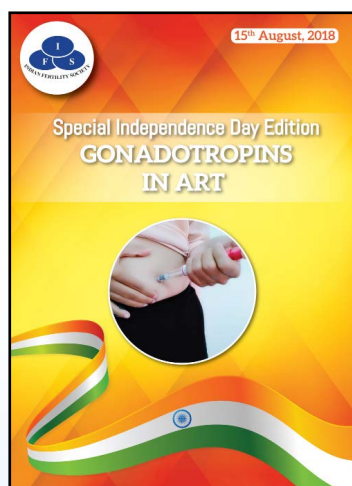
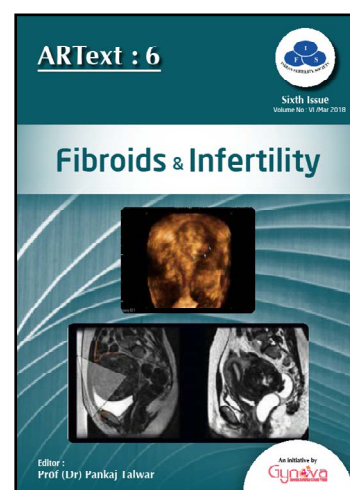
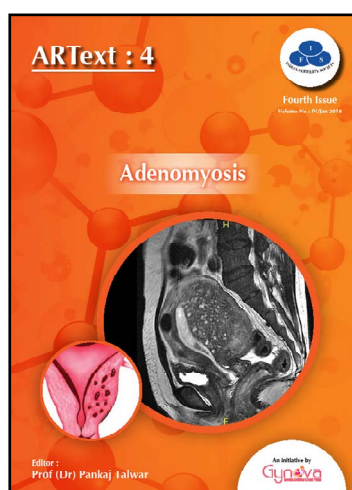
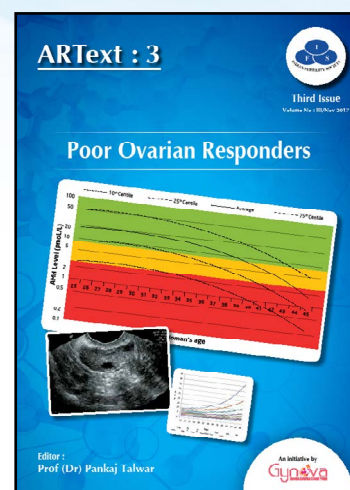
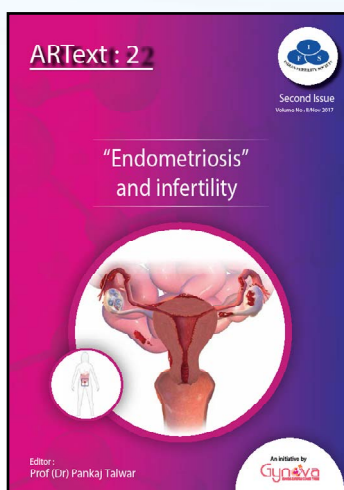
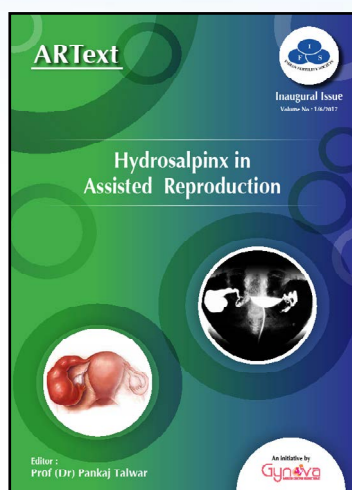
1. Hydrosalpinx in ART
2. Endometriosis and Infertility
3. Poor Ovarian Responders
4. Adenomyosis
5. Thin Endometrium in ART
6. Fibroids and Infertility
7. GonadoTrophins in ART
8. Endometrial Receptivity Array (ERA)



# NEXUS VOLUME

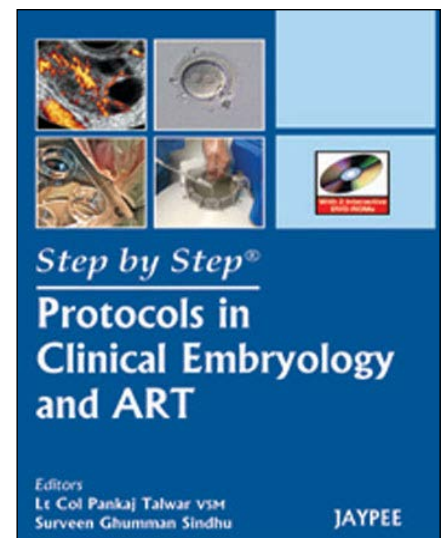
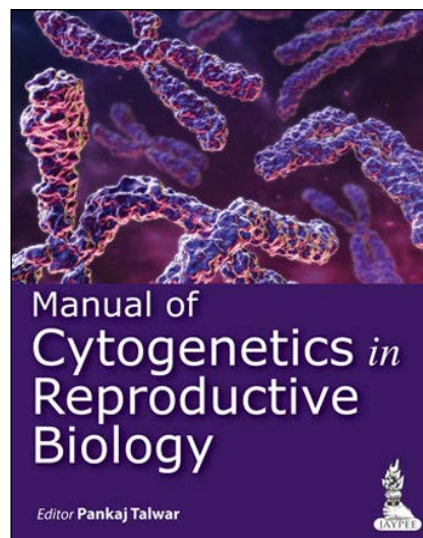
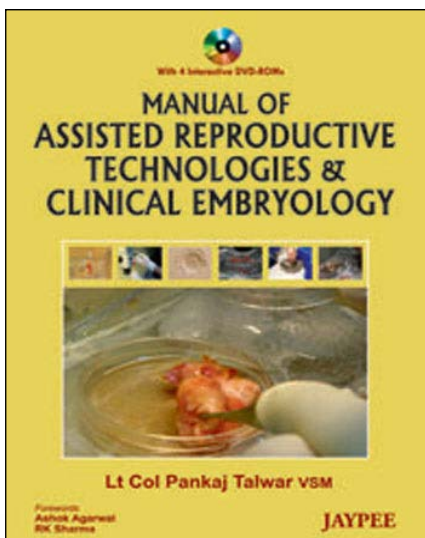
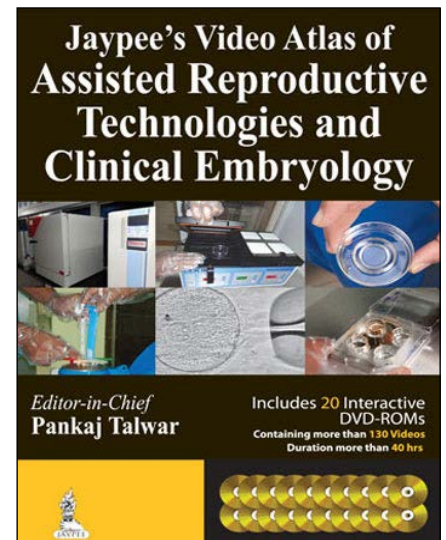
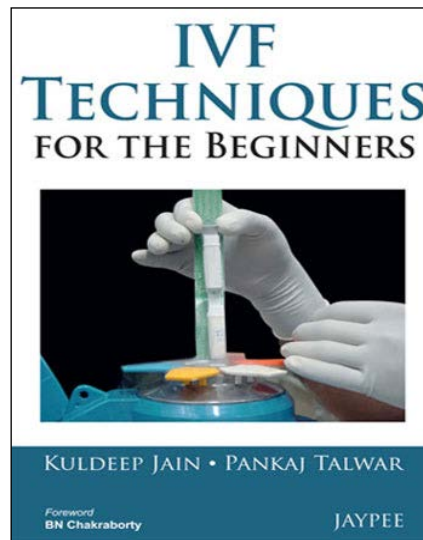
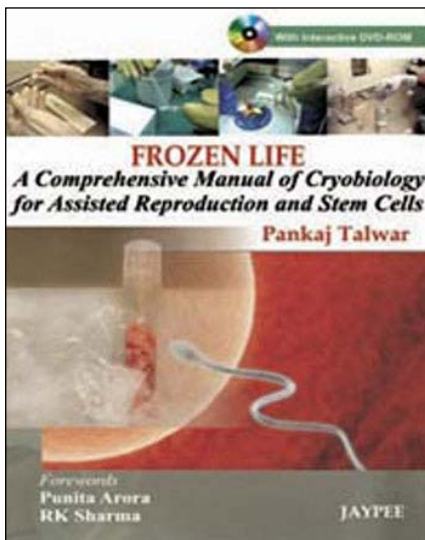


# ARText VOLUME





## Published Books



## Curtain Raisers 1- 50

**Clinical & Embryology Academy of ART**

**Curtain Raiser**  
**Plastics in IVF laboratory**

**FREE REGISTRATION**

**Date & Time**  
Sunday 1<sup>st</sup> Nov. | 11:00 AM to 12:00 Noon

ONLY 15 PARTICIPANTS ARE INVITED

**i-Ceat CSR initiative**

Preference would be given to the young IVF and embryology.

**Clinical & Embryology Academy of ART**

**Curtain Raiser**  
**Microscopes in ART Lab**

**FREE REGISTRATION**

**Date & Time**  
Sunday 8<sup>th</sup> Nov. | 11:00 AM to 12:30 PM

ONLY 15 PARTICIPANTS ARE INVITED

**i-Ceat CSR initiative**

200 participants enrolled around the globe

**Clinical & Embryology Academy of ART**

**Curtain Raiser**

**FREE REGISTRATION**

**Air Quality in an IVF Lab**

**Date & Time**  
Sunday 22<sup>nd</sup> Nov. | 11:00 AM to 12:30 PM

ONLY 15 PARTICIPANTS ARE INVITED

**i-Ceat CSR initiative**

200 participants enrolled around the globe

Preference would be given to the young IVF and embryology.

**Clinical & Embryology Academy of ART**

**CURTAIN RAISER 4**  
**OPU needles in IVF**

**FREE REGISTRATION**

**Date & Time**  
Sunday 27<sup>th</sup> Dec. | 11:00 AM to 12:00 Noon

ONLY 15 PARTICIPANTS ARE INVITED

**i-Ceat CSR initiative**

For young & aspiring Clinicians less than 5 years experience

**Clinical & Embryology Academy of ART**

**Curtain Raiser 5**  
**Embryo Transfer Catheters in IVF**

**FREE REGISTRATION**

For young & aspiring Clinicians less than 5 years experience

**i-Ceat CSR initiative**

**SUNDAY 24**  
11:00 AM to 12:00 Noon

Only 15 Participants are Invited

For FREE Registration, Whatsapp 'AIR' on:  
+91 8375994957  
+91 8375994957

**Clinical & Embryology Academy of ART**

**Curtain Raiser 6**  
**IUI (Intrauterine Insemination) PROTOCOLS FOR BEGINNERS**

**FREE REGISTRATION**

**i-Ceat CSR Initiative**

**SUNDAY 28**  
08:30 AM to 09:30 AM  
MARCH 2021

Only 15 Participants are Invited

For **FREE REGISTRATION** Whatsapp 'IUI' on:  
+91 8375994957  
+91 8375994957  
+91 9311263159

300+ Candidates have been trained so far across the globe

**Clinical & Embryology Academy of ART**

**CURTAIN RAISER 7**  
**Physics of Ultrasound for IUI & IVF**

**FREE REGISTRATION**

**i-Ceat CSR INITIATIVE**

**Sunday 4<sup>th</sup> April 2021 | 08:30 - 09:30 AM (IST)**

Only 15 Participants are Invited

300+ Candidates have been trained so far across the globe

For **FREE REGISTRATION** Whatsapp 'USG' on:  
+91 8375994957  
+91 8375994957  
+91 9311263159

For young & aspiring Clinicians less than 5 years experience

**Clinical & Embryology Academy of ART**

**CURTAIN RAISER 8**  
**Gonadotropin's in ART**

**i-Ceat CSR Initiative**

**Sunday 2<sup>nd</sup> May 2021**  
08:30 - 09:30 AM (IST)

For **FREE REGISTRATION** Whatsapp 'ART' on:  
+91 8375994957  
+91 8375994957  
+91 9311263159

400+ Candidates have been trained so far across the globe

**Clinical & Embryology Academy of ART**

**Curtain Raiser 9**  
**Luteal Phase Defect**

**FREE REGISTRATION**

**i-Ceat CSR Initiative**

**Sunday 16<sup>th</sup> May 2021**  
08:30 - 09:30 AM (IST)

For **FREE REGISTRATION** Whatsapp 'LPD' on:  
+91 8287883005  
+91 8375994957  
+91 8375994957

400+ Candidates have been trained so far across the globe

www.i-ceat.com



Clinical & Embryology Academy of ART

**Curtain Raiser 10**  
**AZOOSPERMIA**

i-Ceat CSR Initiative

**SUNDAY**  
**30<sup>th</sup> MAY 2021**  
08:30 - 09:30 AM (IST)

For **FREE** Registration Whatsapp 'AZP' on  
**+91 8287883005, 8375994957, 8375994958**

400+ Candidates have been trained so far across the globe

www.i-ceat.com

Clinical & Embryology Academy of ART

**Curtain Raiser 11**  
**MALE INFERTILITY**  
Tips & Tricks

**SUNDAY**  
**13<sup>th</sup> June 2021**  
08:30 - 09:30 AM (IST)

For **FREE** Registration Whatsapp 'MIF' on  
**+91 8287883005, 8375994957, 8375994958**

400+ Candidates have been trained so far across the globe

www.i-ceat.com

Clinical & Embryology Academy of ART

**CURTAIN RAISER 12**  
**IUI**  
Tips & Tricks

i-Ceat CSR Initiative

**SUNDAY**  
**27<sup>th</sup> JUNE 2021**  
08:30 - 09:30 AM (IST)

400+ Candidates have been trained so far across the globe

For **FREE** Registration Whatsapp 'IUI' on  
**+91 8287883005, 8375994957, 8375994958**

www.i-ceat.com

Clinical & Embryology Academy of ART

**Curtain Raiser 13**  
Adjuvants in  
IUI, IVF & Embryology

**SUNDAY**  
**11<sup>th</sup> July 2021**  
08:30 - 09:30 AM (IST)

For **FREE** Registration Whatsapp 'ADJ' on  
**+91 8287883005, 8375994958**

400+ Candidates have been trained so far across the globe

www.i-ceat.com

Clinical & Embryology Academy of ART

**Curtain Raiser 14**  
**HSG**  
Interpretation,  
Tips & Tricks

**Sunday 1<sup>st</sup> Aug. 2021**  
08:30 - 09:30 AM (IST)

For **FREE** Registration Whatsapp 'HSG' on  
**+91 8287883005, 8375994958**

450+ Candidates have been trained so far across the globe

www.i-ceat.com

Clinical & Embryology Academy of ART

**Curtain Raiser 15**  
Hormonal Evaluation  
in Infertility

**SUNDAY**  
**15<sup>th</sup> Aug. 2021**  
08:30 - 09:30 AM (IST)

Zoom Meeting ID: 812 9073 7036  
Pass code: ICEAT

For **FREE** Registration Whatsapp 'HEI' on  
**+91 8287883005, 8375994957**

www.i-ceat.com

Clinical & Embryology Academy of ART

**Curtain Raiser 16**  
Ovarian Reserve  
Assessment

**SUNDAY**  
**5<sup>th</sup> Sep. 2021**  
08:30 - 09:30 AM (IST)

Zoom Meeting ID: 846 0663 7351  
Pass code: ICEAT

For **FREE** Registration Whatsapp 'ORA' on  
**+91 8287883005, 8375994957**

www.i-ceat.com

Clinical & Embryology Academy of ART

**Curtain Raiser 17**  
Endometriosis:  
IUI and IVF

**SUNDAY**  
**10<sup>th</sup> Oct. 2021**  
08:30 - 09:30 AM (IST)

For **FREE** Registration Whatsapp 'ENDO' on  
**+91 8287883005, 8375994957**

551+ Candidates have been trained so far across the globe

www.i-ceat.com

Clinical & Embryology Academy of ART

**Curtain Raiser 18**  
**Male Sexual  
Dysfunction**

**SUNDAY**  
**31<sup>st</sup> Oct. 2021**  
08:30 - 09:30 AM (IST)

For **FREE** Registration Whatsapp 'MSD' on  
**+91 8287883005, 8375994957**

551+ Candidates have been trained so far across the globe

www.i-ceat.com

Clinical & Embryology Academy of ART

**Curtain Raiser 19**  
Selecting the best sperm for IUI and IVF

**FREE REGISTRATION**

**SUNDAY**  
14<sup>th</sup> Nov. 2021  
08:30 - 09:30 AM (IST)

**i-Ceat CSR Initiative**

For **FREE** Registration Whatsapp 'SBS' on  
**+91 8287883005, 8375994957**

551+ Candidates have been trained so far across the globe

Clinical & Embryology Academy of ART

**Curtain Raiser 20**  
Antioxidants in ART

**FREE REGISTRATION**

**SUNDAY**  
5<sup>th</sup> Dec. 2021  
08:30 - 09:30 AM (IST)

**i-Ceat CSR Initiative**

For **FREE** Registration Whatsapp 'AOA' on  
**+91 8287883005, 8375994957**

551+ Candidates have been trained so far across the globe

Clinical & Embryology Academy of ART

**Curtain Raiser 21**  
PCOS in ART

**FREE REGISTRATION**

**SUNDAY**  
26<sup>th</sup> Dec. 2021  
08:30 - 09:30 AM (IST)

**i-Ceat CSR Initiative**

For **FREE** Registration Whatsapp 'PCOS' on  
**+91 8287883005, 8375994957**

551+ Candidates have been trained so far across the globe

Clinical & Embryology Academy of ART

**Curtain Raiser 22**  
ART ACT 2021

**FREE REGISTRATION**

**SUNDAY**  
9<sup>th</sup> Jan. 2022  
08:15 - 09:30 AM (IST)

**i-Ceat CSR Initiative**

For **FREE** Registration Whatsapp 'ART' on  
**+91 8287883005, 8375994957**

625+ Candidates have been trained so far across the globe

Clinical & Embryology Academy of ART

**Curtain Raiser 23**  
THIN ENDOMETRIUM

**FREE REGISTRATION**

**SUNDAY**  
16<sup>th</sup> Jan. 2022  
09:30 - 10:30 AM (IST)

**i-Ceat CSR Initiative**

For **FREE** Registration Whatsapp 'ENDO' on  
**+91 8287883005, 8375994957**

625+ Candidates have been trained so far across the globe

Clinical & Embryology Academy of ART

**Curtain Raiser 24**  
Best Incubators for an IVF Laboratory

**FREE REGISTRATION**

**SUNDAY**  
30<sup>th</sup> Jan. 2022  
09:30 - 10:30 AM (IST)

**i-Ceat CSR Initiative**

For **FREE** Registration Whatsapp 'INC' on  
**+91 8287883005, 8375994957**

625+ Candidates have been trained so far across the globe

Clinical & Embryology Academy of ART

**Curtain Raiser 25**  
Fertility Preservation & ART

**FREE REGISTRATION**

**SUNDAY**  
20<sup>th</sup> Feb. 2022  
09:30 - 10:30 AM (IST)

**i-Ceat CSR Initiative**

For **FREE** Registration Whatsapp 'FPA' on  
**+91 8287883005, 8375994957**

625+ Candidates have been trained so far across the globe

Clinical & Embryology Academy of ART

**Curtain Raiser 26**  
Semen Analysis 6<sup>th</sup> Edition - What is New and why?

**FREE REGISTRATION**

**SUNDAY**  
27<sup>th</sup> Feb. 2022  
09:30 - 10:30 AM (IST)

**i-Ceat CSR Initiative**

For **FREE** Registration Whatsapp 'SAS' on  
**+91 8287883005, 8375994957**

625+ Candidates have been trained so far across the globe

Clinical & Embryology Academy of ART

**Curtain Raiser 27**  
Batch IVF

**FREE REGISTRATION**

**SUNDAY**  
---  
09:30 - 10:30 AM (IST)

**i-Ceat CSR Initiative**

For **FREE** Registration Whatsapp 'IVF' on  
**+91 8287883005, 8375994957**

700+ Candidates have been trained so far across the globe



**Curtain Raiser 28**  
**Work Station in IVF/IUI**

**FREE REGISTRATION**

**SUNDAY**  
09:30 - 10:30 AM (IST)

For **FREE** Registration Whatsapp 'WST' on  
**+91 8287883005, 8375994957**

700+ Candidates have been trained so far across the globe

i-Ceat CSR Initiative

**Curtain Raiser 29**  
**Plastics Labware in IUI & IVF**

**FREE REGISTRATION**

**SUNDAY**  
10<sup>th</sup> Apr. 2022  
09:30 - 10:30 AM (IST)

For **FREE** Registration Whatsapp 'WST' on  
**+91 8287883005, 8375994957**

725+ Candidates have been trained so far across the globe

i-Ceat CSR Initiative

**Curtain Raiser 30**  
**IUI in Present Era When, Where & How?**

**FREE REGISTRATION**

**Friday, 26<sup>th</sup> Aug. 2022**  
08:00 - 09:00 PM (IST)

Speaker  
Dr. Prof. (Col) Pankaj Talwar, VSM  
Director, Medical Services, Bina Fertility and IVF  
Director, Bina Institute for Fertility Sciences

For **FREE** Registration Whatsapp 'IUI' on  
**+91 8287883005, 8375994957**

870+ Courses Invited  
22 Countries

**Curtain Raiser 31**  
**Ovarian Reserve Testing**  
All About Age, AMH & AFC

**FREE REGISTRATION**

**Friday, 9<sup>th</sup> Sep. 2022**  
08:00 - 09:00 PM (IST)

Speaker  
Dr. Prof. (Col) Pankaj Talwar, VSM  
Director, Medical Services, Bina Fertility and IVF  
Director, Bina Institute for Fertility Sciences

For **FREE** Registration Whatsapp 'IUI' on  
**+91 8287883005, 8375994957**

870+ Courses Invited  
22 Countries

**Curtain Raiser 32**  
**Low or No Sperm What to do?**

**FREE REGISTRATION**

**Friday, 23<sup>rd</sup> Sep. 2022**  
08:00 - 09:00 PM (IST)

Speaker  
Dr. Prof. (Col) Pankaj Talwar, VSM  
Director, Medical Services, Bina Fertility and IVF  
Director, Bina Institute for Fertility Sciences

For **FREE** Registration Whatsapp 'IUI' on  
**+91 8287883005, 8375994957**

870+ Courses Invited  
22 Countries

**Curtain Raiser 33**  
**Tubal Testing**  
HSG, SIS or HyCoSy?

**FREE REGISTRATION**

**Friday, 30<sup>th</sup> Sep. 2022**  
08:00 - 09:00 PM (IST)

Speaker  
Dr. Prof. (Col) Pankaj Talwar, VSM  
Director, Medical Services, Bina Fertility and IVF  
Director, Bina Institute for Fertility Sciences

For **FREE** Registration Whatsapp 'TBT' on  
**+91 7303742351, 8700412927**

902+ Courses Invited  
23 Countries

**Curtain Raiser 34**  
**Embryo Grading**  
for Clinicians & Embryologist

**FREE REGISTRATION**

**Friday, 7<sup>th</sup> Oct. 2022**  
08:00 - 09:00 PM (IST)

Speaker  
Dr. Prof. (Col) Pankaj Talwar, VSM  
Director, Medical Services, Bina Fertility and IVF  
Director, Bina Institute for Fertility Sciences

For **FREE** Registration Whatsapp EBR  
**+91 7303742351, 8700412927**

902+ Courses Invited  
23 Countries

**Curtain Raiser 35**  
**Ovulation Induction**  
Tips & Tricks

**FREE REGISTRATION**

**Friday, 18<sup>th</sup> Nov. 2022**  
08:00 - 09:00 PM (IST)

Speaker  
Dr. Prof. (Col) Pankaj Talwar, VSM  
Director, Medical Services, Bina Fertility and IVF  
Director, Bina Institute for Fertility Sciences

For **FREE** Registration Whatsapp 'OID' on  
**+91 7303742351, 8700412927**

32 Countries  
5500+ Participants

**Curtain Raiser 36**  
**IVF to ICSI**  
When, how and why?

**FREE REGISTRATION**

**Friday, 11<sup>th</sup> Nov. 2022**  
08:00 - 09:00 PM (IST)

Speaker  
Dr. Prof. (Col) Pankaj Talwar, VSM  
Director, Medical Services, Bina Fertility and IVF  
Director, Bina Institute for Fertility Sciences

For **FREE** Registration Whatsapp EBR  
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870+ Courses Invited  
22 Countries

**FREE ONLINE WEBINAR**  
for Doctors & Embryologists!

**ENDOMETRIOSIS**

**Curtain Raiser - 37**

**FREE REGISTRATION**

**Wed. 28<sup>th</sup> Dec. 2022**  
08:00 - 09:00 PM (IST)

Speaker  
Dr. Prof. (Col) Pankaj Talwar, VSM  
Director, Medical Services, Bina Fertility and IVF  
Director, Bina Institute for Fertility Sciences  
President Elect - IFS

For **FREE** Registration Whatsapp  
**+91 8287883005 +91 8375994957**

34 Countries  
6000+ Participants

**Curtain Raiser 38**  
**Past, Present & Future of Infertility**

**FREE REGISTRATION**

**Fri. 20<sup>th</sup> Jan. 2023**  
08:00 - 09:00 PM (IST)

Speaker  
Dr. Prof. (Col) Pankaj Talwar, VSM  
Director, Medical Services, Bina Fertility and IVF  
Director, Bina Institute for Fertility Sciences  
President Elect - IFS

For **FREE** Registration Whatsapp 'IFT' on  
**+91 8287883005 +91 8375994957**

34 Countries  
6000+ Participants

**Curtain Raiser 39**  
**MALE INFERTILITY**  
Role of Clinicians, Embryologists & Adjuvants

**FREE REGISTRATION**

**Fri. 27<sup>th</sup> Jan. 2023**  
08:00 - 09:00 PM (IST)

For **FREE** Registration Whatsapp 'MFT' on  
**+91 8287883005 +91 8375994957**

Speaker  
Dr. Prof. (Col) Pankaj Talwar, VSM  
Director, Medical Services, Bina Fertility and IVF  
Director, Bina Institute for Fertility Sciences  
President Elect - IFS

34 Countries  
6000+ Participants

**Curtain Raiser 40**  
**Hydrosalpinx, Endometrioma, Dermoid & Paraovarian Cyst**  
Excision or Not?

**FREE REGISTRATION**

**Fri. 27<sup>th</sup> Jan. 2023**  
08:00 - 09:00 PM (IST)

For **FREE** Registration Whatsapp 'HEDP' on  
**+91 8287883005 +91 8375994957**

Speaker  
Dr. Prof. (Col) Pankaj Talwar, VSM  
Director, Medical Services, Bina Fertility and IVF  
Director, Bina Institute for Fertility Sciences  
President Elect - IFS

34 Countries  
6000+ Participants



**Curtain Raiser 41**

**Assisted Reproductive Technologies ACT 2021 - Notification, RTI & where we stand in 2023**

**Fri. 10<sup>th</sup> Mar. 2023**  
08:00 - 09:00 PM (IST)

For **FREE** Registration Whatsapp '**ART**'  
+91 9654147882, +91 8375994957

**Speaker**  
Dr. Prof. (Col) Pankaj Talwar, VSM  
Director, Medical Services, Bina Fertility and IVF  
Director, Bina Institute for Fertility Sciences  
President Elect - IFS

**FREE REGISTRATION**

34 COUNTRIES  
6000+ PARTICIPANTS

**Curtain Raiser 42**

**Batch IVF**  
Protocol, labware, Incubators and us

**Fri. 24<sup>th</sup> Mar. 2023**  
08:00 - 09:00 PM (IST)

**Speaker**  
Dr. Prof. (Col) Pankaj Talwar, VSM  
Director, Medical Services, Bina Fertility and IVF  
Director, Bina Institute for Fertility Sciences  
President Elect - IFS

For **FREE** Registration Whatsapp '**IVF**'  
+91 9654147882, +91 8375994957

**FREE REGISTRATION**

34 COUNTRIES  
6000+ PARTICIPANTS

**Curtain Raiser 43**

**Culture Media & IVF**  
Beyond single & Sequential: Pricing & usage

**Fri. 21<sup>st</sup> Apr. 2023**  
08:00 - 09:00 PM (IST)

**Speaker**  
Dr. Prof. (Col) Pankaj Talwar, VSM  
Director, Medical Services, Bina Fertility and IVF  
Director, Bina Institute for Fertility Sciences  
President Elect - IFS

For **FREE** Registration Whatsapp '**CMI**'  
+91 82878 83005, +91 98107 90063

**FREE REGISTRATION**

34 COUNTRIES  
6000+ PARTICIPANTS

**Curtain Raiser 44**

**Management of low Sperm Count, Poor Morphology & Motility**

**Fri. 12<sup>th</sup> May. 2023**  
08:00 - 09:00 PM (IST)

For **FREE** Registration Whatsapp '**PMM**' on  
+91 9654147882, +91 8375994957

**Speaker**  
Dr. Prof. (Col) Pankaj Talwar, VSM  
Director, Medical Services, Bina Fertility and IVF  
Director, Bina Institute for Fertility Sciences  
President Elect - IFS

**FREE REGISTRATION**

34 COUNTRIES  
6000+ PARTICIPANTS

**Curtain Raiser 45**

**LUTEAL PHASE SUPPORT & PROGESTERONE - 1**

**Fri. 9<sup>th</sup> June 2023**  
08:00 - 09:00 PM (IST)

For **FREE** Registration Whatsapp '**LPS**' on  
+91 9654147882, +91 8375994957

**Speaker**  
Dr. Prof. (Col) Pankaj Talwar, VSM  
Director, Medical Services, Bina Fertility and IVF  
Director, Bina Institute for Fertility Sciences  
President Elect - IFS

**FREE REGISTRATION**

34 COUNTRIES  
6000+ PARTICIPANTS

**Curtain Raiser 46**

**LUTEAL PHASE SUPPORT & PROGESTERONE - 2**

**Fri. 30<sup>th</sup> June 2023**  
08:00 - 09:00 PM (IST)

For **FREE** Registration Whatsapp '**LPS**' on  
+91 9654147882, +91 8375994957

**Speaker**  
Dr. Prof. (Col) Pankaj Talwar, VSM  
Director, Medical Services, Bina Fertility and IVF  
Director, Bina Institute for Fertility Sciences  
President Elect - IFS

**FREE REGISTRATION**

34 COUNTRIES  
7000+ PARTICIPANTS

**Curtain Raiser 47**

**LETROZOLE IN ART**

**Fri. 21<sup>st</sup> July 2023**  
08:00 - 09:00 PM (IST)

For **FREE** Registration Whatsapp '**LAR**' on  
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**Speaker**  
Dr. Prof. (Col) Pankaj Talwar, VSM  
Consultant Fertility, Clinical Embryology & IVF Master Trainer

**FREE REGISTRATION**

34 COUNTRIES  
8000+ PARTICIPANTS

**Curtain Raiser 48**

**How to Improve Implantation in IUI & IVF**

**Fri. 18<sup>th</sup> Aug. 2023**  
08:00 - 09:00 PM (IST)

For **FREE** Registration Whatsapp '**IVF**'  
+91 9654147882, +91 8375994957

**Speaker**  
Dr. Prof. (Col) Pankaj Talwar, VSM  
Consultant Fertility, Clinical Embryology & IVF, Master Trainer & Project Advisor

**FREE REGISTRATION**

34 COUNTRIES  
8000+ PARTICIPANTS

**Curtain Raiser 49**

**Factors Affecting Success in Embryo Transfer**

**Fri. 1<sup>st</sup> Sep. 2023**  
08:00 - 09:00 PM (IST)

For **FREE** Registration Whatsapp '**FIA**'  
+91 9654147882, +91 8375994957

**Speaker**  
Dr. Prof. (Col) Pankaj Talwar, VSM  
Consultant Fertility, Clinical Embryology & IVF, Master Trainer & Project Advisor

**FREE REGISTRATION**

34 COUNTRIES  
8000+ PARTICIPANTS

**Curtain Raiser 50**

**Recurrent Pregnancy Loss**

**Wed. 20<sup>th</sup> Sep. 2023**  
08:00 - 09:00 PM (IST)

For **FREE** Registration Whatsapp '**RPL**'  
+91 9654147882, +91 8375994957

**Speaker**  
Dr. Prof. (Col) Pankaj Talwar, VSM  
Consultant Fertility, Clinical Embryology & IVF, Master Trainer & Project Advisor

**FREE REGISTRATION**

34 COUNTRIES  
8000+ PARTICIPANTS



## Hybrid Courses

17<sup>th</sup> Edition Starting from **1<sup>st</sup> Feb. 2024**

**Course 1**

IVF Lab Set-Up, Procurement & Ideal Lab Design, Clinical Embryology, Embryo Culture, ICSI, Cryobiology, QA/QC, Managing Revenue, Achieving High Success Rates

**12 Weeks**  
Certified Online  
**Hybrid**  
ART Training Course

**Complimentary Access**

Selected Curtain Raisers, Daily Teasers, Quiz access to e-books, One-to-one Mentoring, Course PDF, Opportunity for personal communication with faculty.

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CEO & Dir  
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**Course 2**

IUI, Semen Preparation, PRP, Microfluidics, Sperm Selection, Sperm Function Test, USG, Stimulation Protocols, Male Examination, Endocrinology, Semen Donor Protocols

**12 Weeks** Certified Online  
**Hybrid** ART Training Course

**Complimentary Access**

Selected Curtain Raisers, Daily Teasers, Quiz access to e-books, One-to-one Mentoring, Course PDF, Opportunity for personal communication with faculty.

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Google  
★★★★★  
Based on 425+ Reviews

17<sup>th</sup> Edition Starting from **1<sup>st</sup> Feb. 2024**

**12 Weeks** Certified Online  
**Hybrid** ART Training Course

**Course 3**

Ovulation Induction, IVF, OPU-ET, Reproductive Ultrasound & QA/QC

**Limited Seats**

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Google  
★★★★★  
Based on 425+ Reviews



# Weekend Special Courses

**Why, When & How in** **CBR - 1**

## Fertility Preservation in ART

Chemo - radiation - POI, Random stimulation protocols, FP in Prepubertal/Adolescents/adults, FP and embryology, Ovarian/testicular tissue freezing, Guidelines and way ahead, Semen and oocyte freezing

**Concept Building & Relearning**

**Who can Apply** Lab director, Reproductive Medicine Specialist, Technicians & Embryologist, Counselors

**Days & Duration** 8 Hrs (10:00 - 18:00)

**Mode** Offline: Live lectures & Hands-on Experience

**Dr. Prof. (Col) Pankaj Talwar, VSM**  
Director, Medical Services, Birla Fertility and IVF  
Director, Birla Institute for Fertility Sciences

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**870+ Courses Enrolled from 22 Countries**

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**Why, When & How in** **CBR - 2**

## ICSI & Laser

**Concept Building & Relearning**

Micromanipulation, Machines and Laser, ICSI Media, Disposables, Protocols

**Extensive Hands-on**

**Dr. Prof. (Col) Pankaj Talwar, VSM**  
Director, Medical Services, Birla Fertility and IVF  
Director, Birla Institute for Fertility Sciences

**Who can Apply** Clinicians & Embryologist

**Days & Duration** 8 Hrs (10:00 - 18:00)

**Mode** Offline: Live lectures & Hands-on Experience

**WEEKEND SPL. COURSE**  
LIMITED SEATS  
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**Why, When & How in** **CBR - 3**

## Ovulation Induction in ART

**Concept Building & Relearning**

Gonadotrophins, Oral Ovulogens - OI and COH IUI and ART stimulation protocols, Poor /Hypo/Hyper Responders, OHSS, Trigger and EFS, Hormonal assessment of an ART cycle

**Who can Apply** Reproductive Medicine Specialist

**Days & Duration** Sat, 17<sup>th</sup> Dec 22  
8 Hrs (10:00 - 18:00)

**Mode** Offline: Live Lectures & Extensive Observation in OT, Laboratory and USG

**Dr. Prof. (Col) Pankaj Talwar, VSM**  
Director, Medical Services, Birla Fertility and IVF  
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**Why, When & How in** **CBR - 4**

## Vitrification

Cryocans, Cryoalarms, Liquid Nitrogen, QA/QC & Protocols

Semen | Oocytes | Embryos | Blastocyst | Managing Cryobiology Bank

**Concept Building & Relearning**

**Dr. Prof. (Col) Pankaj Talwar, VSM**  
Director, Medical Services, Birla Fertility and IVF  
Director, Birla Institute for Fertility Sciences

**Who can Apply** Clinicians & Embryologist

**Days & Duration** 8 Hrs (10:00 - 18:00)

**Mode** Offline: Live lectures & Hands-on Experience

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**Why, When & How in** **CBR - 5**

## Reproductive Ultrasound

Ultrasound Machines, Physics of Ultrasound, 2D/3D/ Colour Doppler, Morphometric - Endocrine Assessment, Knology, Follicle Monitoring in IUI/IVF, Pelvic pathologies

**Concept Building & Relearning**

**Who can Apply** Clinicians & Embryologist

**Days & Duration** Sat, 12<sup>th</sup> Nov 22  
8 Hrs (10:00 - 18:00)

**Mode** Offline: Live lectures & Hands-on Experience

**Dr. Prof. (Col) Pankaj Talwar, VSM**  
Director, Medical Services, Birla Fertility and IVF  
Director, Birla Institute for Fertility Sciences

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**Why, When & How in** **CBR - 6**

## Quality Control & Assurance in ART

Air quality in ART  
Temp /pH/Humidity/Particle count/VOC  
Air handling units  
Incubators/Work station/microscopes care  
Lab burning

**Concept Building & Relearning**

**Dr. Prof. (Col) Pankaj Talwar, VSM**  
Director, Medical Services, Birla Fertility and IVF  
Director, Birla Institute for Fertility Sciences

**Who can Apply** Lab director, Reproductive Medicine Specialist, Technicians & Embryologist, Counselors

**Days & Duration** 8 Hrs (09:00 - 17:00)

**Mode** Offline: Live lectures & Hands-on Experience

**WEEKEND SPL. COURSE**  
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**Why, When & How in** **CBR - 7**

## Embryo Culture

Embryo Grading, Culture Media, Dish Preparation, Plastics Ware & TQM

**Concept Building & Relearning**

**Who can Apply** Reproductive Medicine Specialist

**Days & Duration** 8 Hrs (09:00 - 17:00)

**Mode** Offline: Live lectures & Hands-on Experience

**Dr. Prof. (Col) Pankaj Talwar, VSM**  
Director, Medical Services, Birla Fertility and IVF  
Director, Birla Institute for Fertility Sciences

**WEEKEND SPL. COURSE**  
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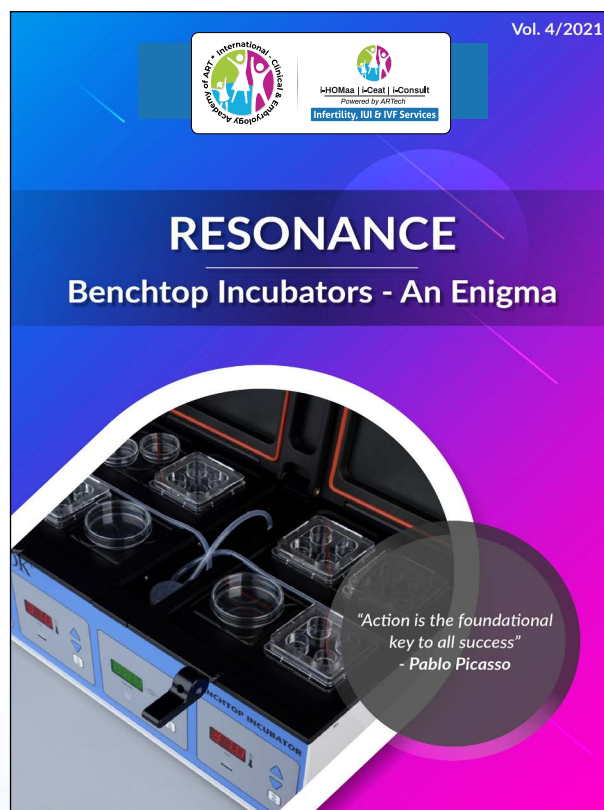
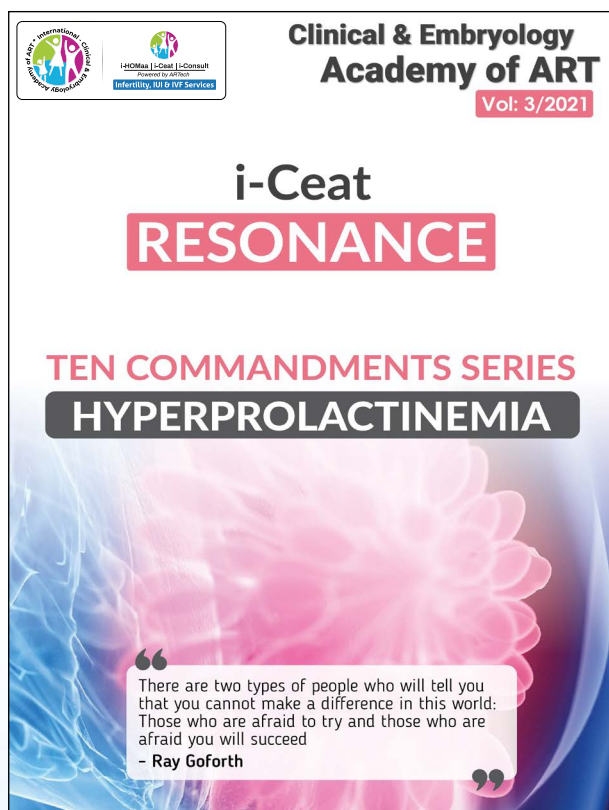
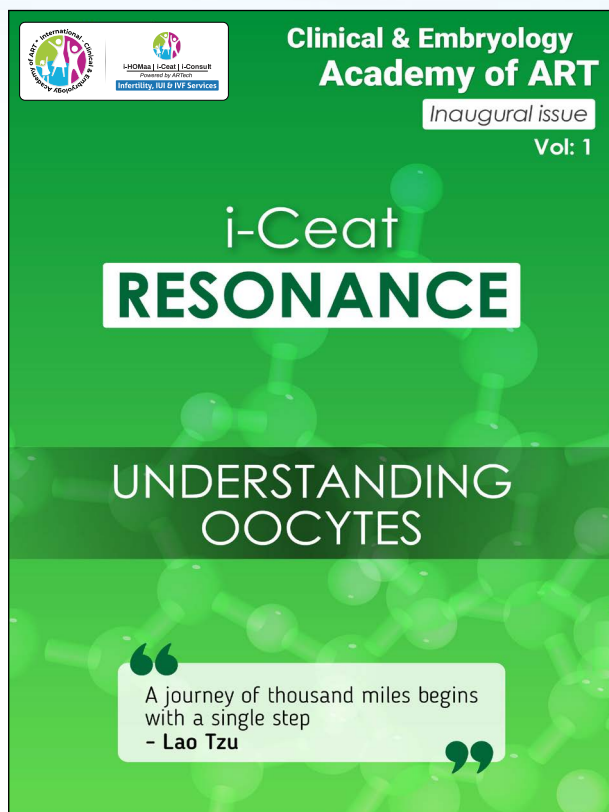
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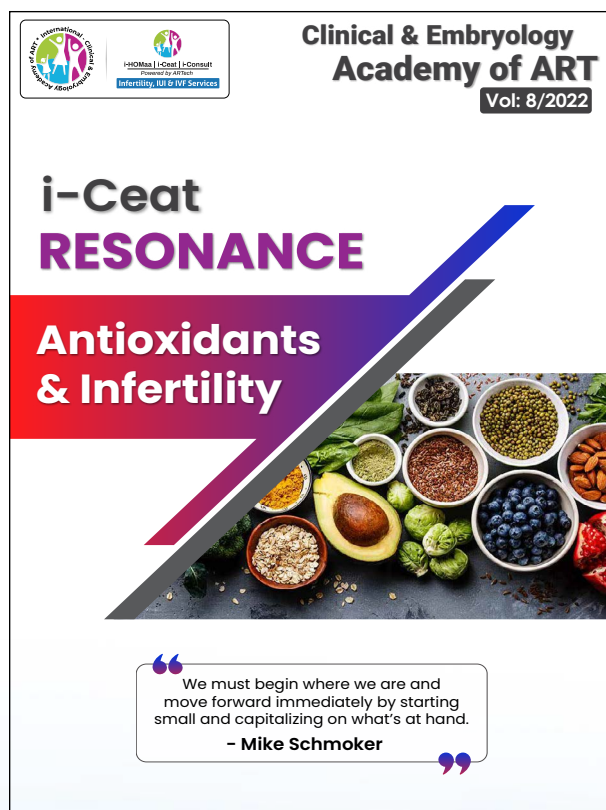
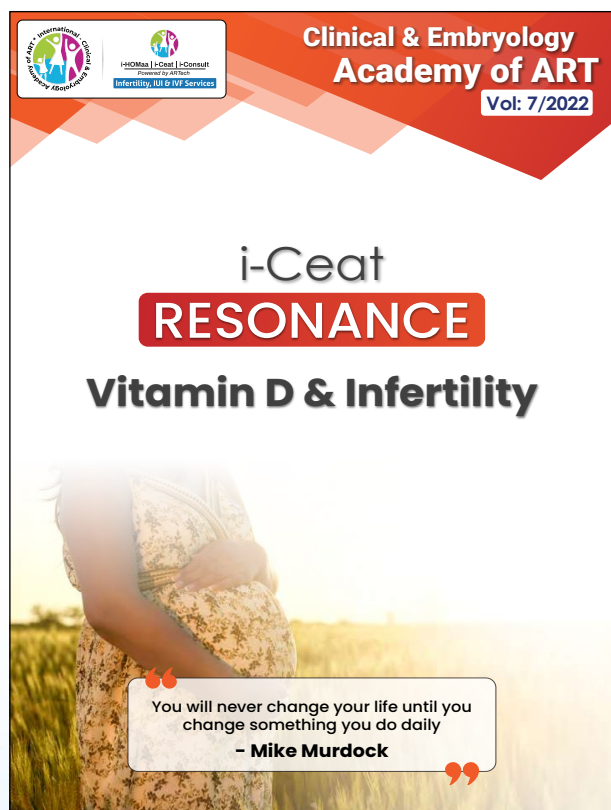
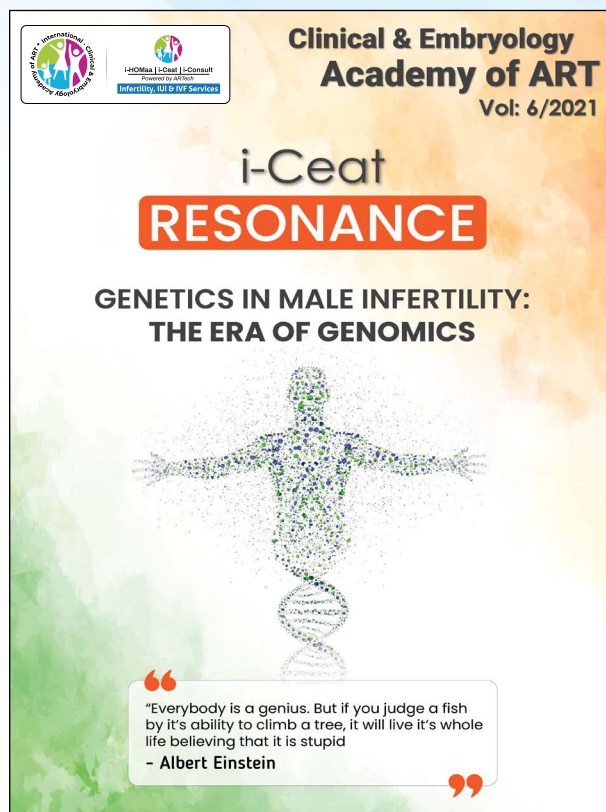
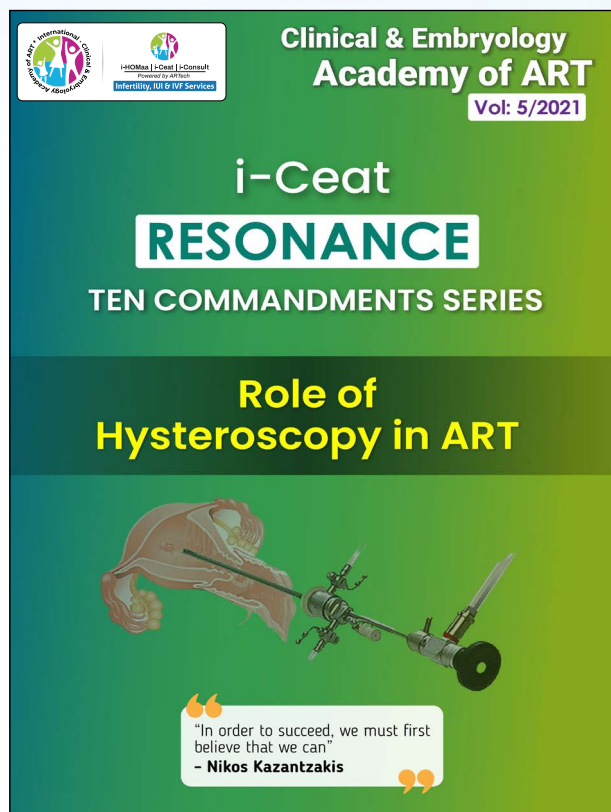
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## Resonance

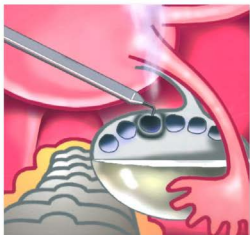






**Clinical & Embryology Academy of ART**  
Vol: 9/2022

**i-Ceat  
RESONANCE**




**Laparoscopic Drilling in PCOS**

*"The beautiful thing about learning is that no one can take it away from you."  
— B.B. King*

**Clinical & Embryology Academy of ART**  
Vol: 10/2022

**i-Ceat  
RESONANCE**

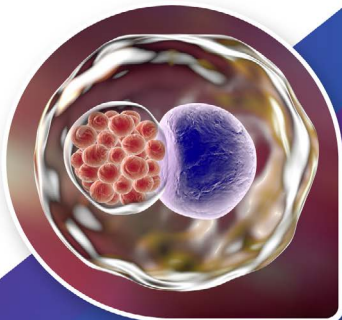


**Endometriosis in ART**

*"You will never change your life until you change something you do daily."  
— Mike Murdock*

**Clinical & Embryology Academy of ART**  
Vol: 11/2022

**i-Ceat  
RESONANCE**




**Chlamydia & Infertility**

*"You keep putting one foot in front of the other, and then one day you look back and you've climbed a mountain."  
— Tom Hiddleston*

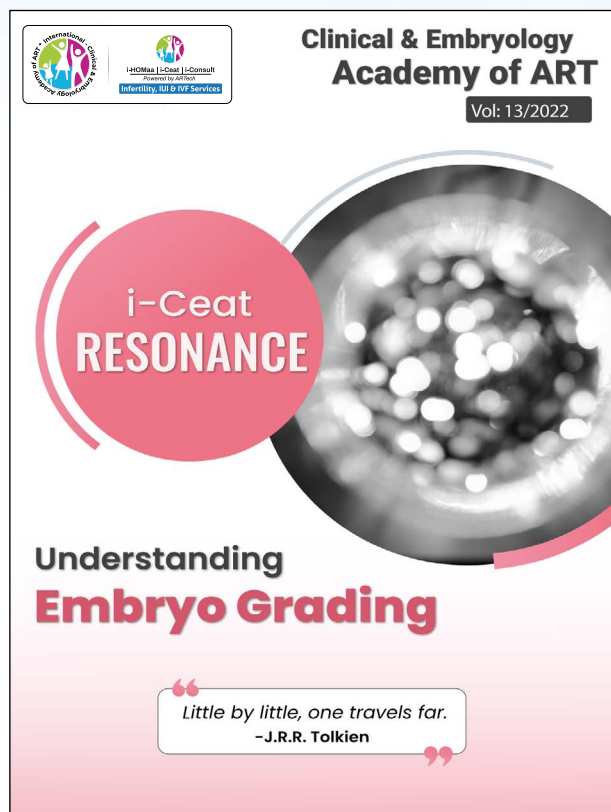
**Clinical & Embryology Academy of ART**  
Vol: 12/2022

**i-Ceat  
RESONANCE**



**Thin Endometrium**

*"Not having the best situation, but seeing the best in your situation is the key to happiness."  
— Marie Forleo*





## Ultrasound Series



**BIFS Ultrasound**

**Teaser Series - 1**

**ULTRASOUND BASICS FOR YOU**

Dr. Prof. (Col) Pankaj Talwar, VSM  
Director, Medical Services, Birla Fertility and IVF  
Director, Birla Institute for Fertility Sciences

1000+ Courses Enrolled from 23 Countries

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**BIFS Ultrasound**

**Teaser Series - 2**

**PROCEDURE OF ULTRASOUND**

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Director, Medical Services, Birla Fertility and IVF  
Director, Birla Institute for Fertility Sciences

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**BIFS Ultrasound**

**Teaser Series - 3**

**NORMAL OVARIES ON ULTRASOUND**

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Director, Medical Services, Birla Fertility and IVF  
Director, Birla Institute for Fertility Sciences

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**BIFS Ultrasound**

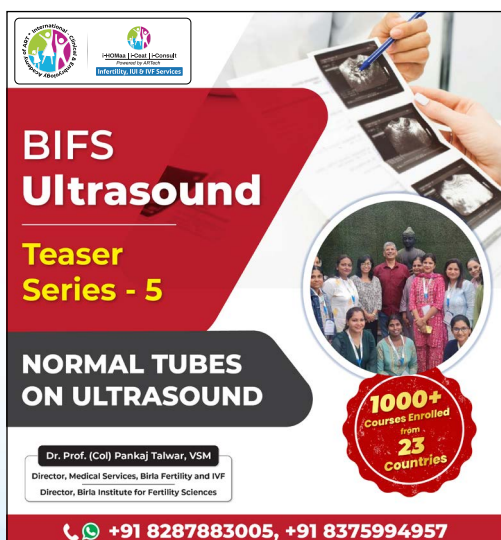
**Teaser Series - 4**

**NORMAL UTERUS ON ULTRASOUND**

Dr. Prof. (Col) Pankaj Talwar, VSM  
Director, Medical Services, Birla Fertility and IVF  
Director, Birla Institute for Fertility Sciences

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**BIFS Ultrasound**

**Teaser Series - 5**

**NORMAL TUBES ON ULTRASOUND**

Dr. Prof. (Col) Pankaj Talwar, VSM  
Director, Medical Services, Birla Fertility and IVF  
Director, Birla Institute for Fertility Sciences

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**BIFS Ultrasound**

**Teaser Series - 6**

**ULTRASOUND IN PCOS**

Dr. Prof. (Col) Pankaj Talwar, VSM  
Director, Medical Services, Birla Fertility and IVF  
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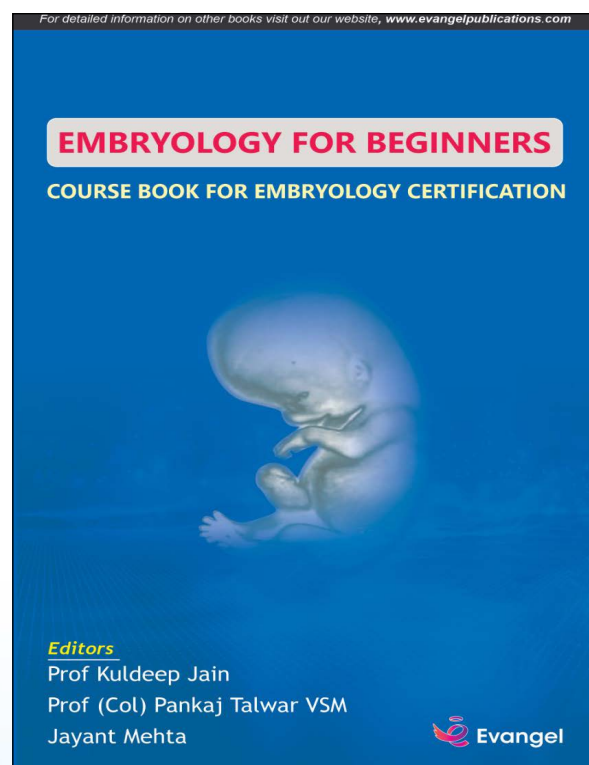
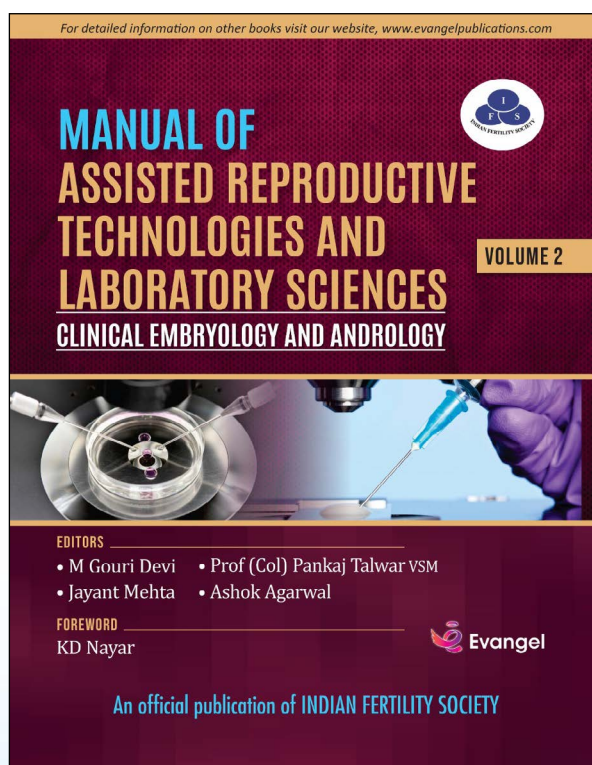
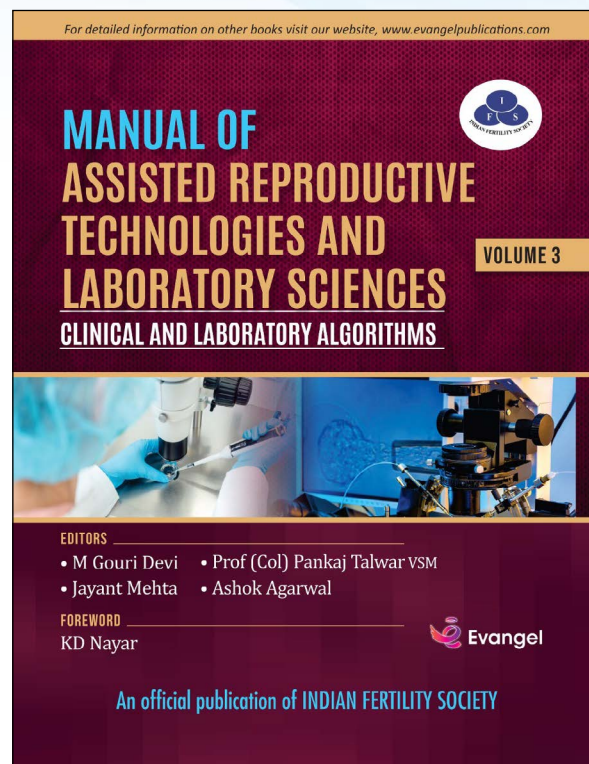
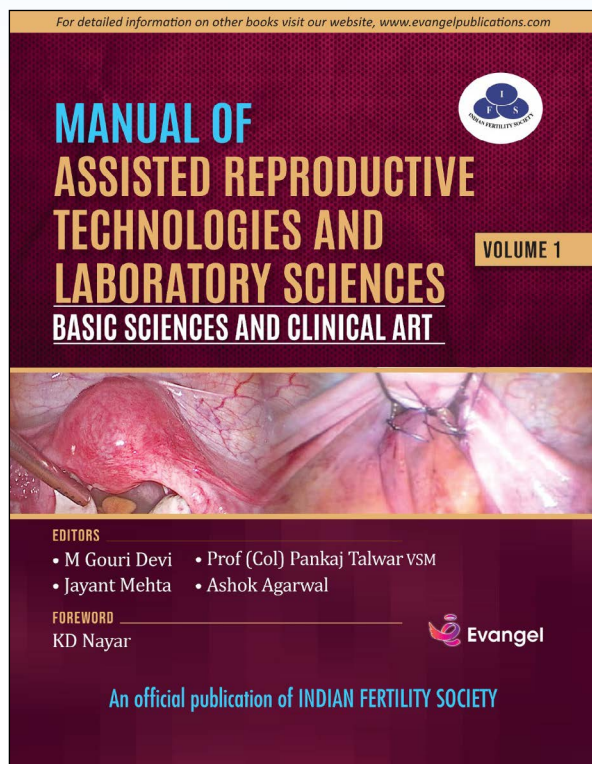
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**Dr. Aakriti Shukla**  
Course Organiser

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Fertility and Embryology Consultant  
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SAR Research & Academic Team

**Dr. Niti Vijay**  
Workshop Coordinator & Faculty

**Dr. Prof. (Col) Pankaj Talwar, VSM**  
Fertility and Embryology Consultant  
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SAR Research & Academic Team

**Dr. Niti Vijay**  
Workshop Coordinator & Faculty

**Dr. Prof. (Col) Pankaj Talwar, VSM**  
Fertility and Embryology Consultant  
CEO & Dir  
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TriVECTOR

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**Microfluidics in ART**  
Concept, When to use, Protocol & Technology

Wed. 10<sup>th</sup> Jan. 2024  
11:00 AM - 03:00 PM

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Concept, When to use, Protocol & Technology

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11:00 AM - 03:00 PM

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**Dr. Aakriti Shukla**  
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for ART Lab - Increase Success Rates

**2<sup>nd</sup> EDITION**

**Fri, 19<sup>th</sup> Jan. 2024**  
11:00 AM - 03:00 PM

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**Implementing Total Quality Management in ART Centres.**

  
**Wed, 06<sup>th</sup> Mar. 2024**  
**11:00 AM - 03:00 PM**

**Hygiene, Air Quality, Microbes, HVAC and Biomedical Waste Management**

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**Witnessing system at ART CLINICS**

**Utility or Hype, Technological Options, Process Running and Pricing**

  
**Wed, 20<sup>th</sup> Mar. 2024**  
**11:00 AM - 03:00 PM**

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**Wed, 10<sup>th</sup> Apr. 2024**  
**11:00 AM - 03:00 PM**

**Hygiene, Air Quality, Microbes, HVAC and Biomedical Waste Management**

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**Utility or Hype, Technological Options, Process Running and Pricing**

  
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**11:00 AM - 03:00 PM**

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## Motto of E4

### EXEMPLARY CARE, ETHICS, EDUCATION AND EMPATHY

1. Providing academic support to young clinicians and embryologist of the India and abroad.
2. Encourage one to one interactions and raise the levels of core competence.
3. Organizing short training capsules for your teams to learn the basics of the infertility.
4. It would be ensured that each participant gets ample hands-on experience with the requisite and instructive theory lectures.
5. Specially designed course materials for catering to your entire requirement from IUI to IVF.
6. Simulator based and hands on Training in Embryology and Endoscopy.
7. Teach ethical and clean practice points, which are legally acceptable as per the existing guidelines.
8. The unique one-on-one training makes the courses flexible in the course content and the timing to meet your specific needs.
9. Hands on sessions would be preceded by an exhaustive theory discussions relating to the clinical ART procedures, operational issues and maintenance of laboratory equipment's.
10. Prime Focus would be on developing your clinical and laboratory skills, enhancing your efficiency swiftness and mold you into an ideal reproductive clinician and embryologist.
11. Empower you by strengthening your ART practice.
12. Helping you to remodel existing facility or develop new clinical setups and laboratories as per the ICMR guidelines.
13. Offer the facility of Clinical and embryology teams to assist and teach you daily practice points whenever required.
14. Impart your team instructive, practical and technical support during the live procedures.
15. Teach ethical and clean practice points, which are legally acceptable as per the existing guidelines.
16. Hands on training on all aspects of embryology and clinical reproductive medicine whenever needed.
17. Helping you to establish and IUI or ART clinic from Inception to conception.
18. Would guide you in siting of the clinic and laboratory; develop ergonomic infrastructure, Procurement of equipment and troubleshooting.
19. Laboratory calibration services and ART clinics QA QC

# i-Consult

## i-Consult

**i-Consult** a subsidiary of ARTech – India is being initiated with earnest and honest intention to guide Gynecologists, Embryologists, Laboratory technicians, ART nurses, ART counsellors or anyone who interested in initiating an ART facility or improve their existing skills.

We would provide necessary information and guidance to all those who are keen to learn but are unable to do so due to lack of information and knowledge

We have a wide experience of raising number of ART clinics in India and abroad and the director of the company has more than 15 yrs of experience in branch of clinical ART and embryology.

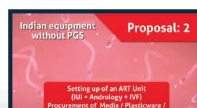
### MISSION

#### Inception to Conception

i-Consult – What i-Consult can do for you?

- Empower you and strengthen your ART practice
- Helping you to remodel existing or develop new clinical setups and laboratories as per the newer ICMR guidelines.
- Offer the facility of Clinical and embryology teams to assist and teach you daily practice points whenever required.
- Impart your team on the spot instructive, practical and technical support.
- Teach ethical and clean practice points, which are legally acceptable as per the existing and new guidelines.
- Hands-on training on all aspects of embryology and clinical reproductive medicine.
- Helping you to establish IUI or ART clinic from Inception to conception.
- Would Guide you in siting of the clinic and laboratory; develop ergonomic infrastructure, Procurement of equipment, and troubleshooting.
- Laboratory calibration services and ART clinics QA/QC

Update you with the recent amendments made by the our government and assist you with the designing of your setup according to the newer guideline



**IUI Disposables**

Disposable and consumable materials used in the laboratory and clinic include

- 17 cm Sterile J.I Catheter – 1 Nos.
- Disposable Speculum – 1 Nos.
- Sample Container (Soni/Soni) – 1 Nos.
- 3ml Pasteur Pipette (Sterile) – 1 Nos.
- Sterile Cartridge Test Tube – 2 Nos.

It is more convenient and safer to use sterilized disposable items throughout the practice. In the laboratory, all supplies and materials must be disposable, and must be tested as being non-toxic to sperm (preferably by the supplier). Some disposable materials used in the clinic may appear not to be cost effective, but are used nevertheless, because they are safer and prevent cross-contamination. Where reusable items are used, they must be cleaned and sterilized using an autoclave before being reintroduced into the clinic for use.

**OPERATION THEATRE Setup**

An operation theatre in an IVF clinic is a specialized facility designed to handle medical procedures related to reproductive health, including in vitro fertilization (IVF). It is a sterile environment with state-of-the-art equipment and technology that helps doctors and medical staff perform intricate procedures with precision and efficiency.

The IVF clinic operation theatre typically has a dedicated surgical team that includes an anaesthesiologist, nurses, and medical technicians who are trained to assist the doctors during procedures. The theatre is equipped with advanced surgical instruments, imaging technology, and monitoring systems that allow doctors to carry out accurate diagnoses and treatments related to fertility and reproductive health issues.

During an IVF procedure, the doctors will typically use a surgical instrument to collect eggs under ultrasound guidance from the ovaries and gather sperm from the male partner or donor. These are then combined in a lab dish to develop embryos, which are later implanted in the woman's uterus. All these steps require the expertise of medical personnel in the operation theatre to ensure successful the retrieval, processing, and transfer procedures.



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**4 Years**

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Reached over **8000 students** - over **34 countries**  
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Established **26 ART units** in India & Abroad

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ART, IVF, IUI, ANDROLOGY, EMBRYOLOGY, ULTRASOUND

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➤ Providing academic support to young clinicians and embryologists of the

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WHICH according to the WHO for the investigation and diagnosis of female fertility

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- 2. BASIC AND ADVANCED CLINICAL ANDROLOGY ALL REPRODUCTIVE ULTRASOUND AND GAUSS
- 3. GYNECOLOGY, INFERTILITY, ART, IUI, ETC. REPRODUCTIVE AND GAUSS

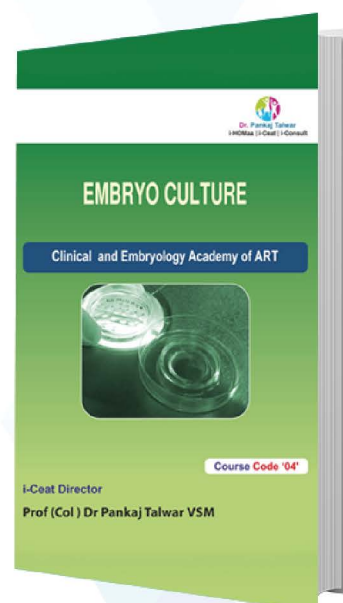
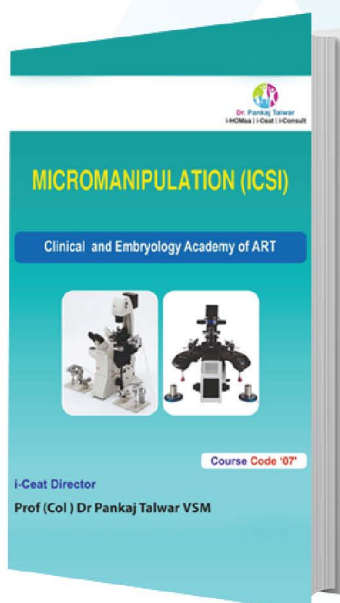
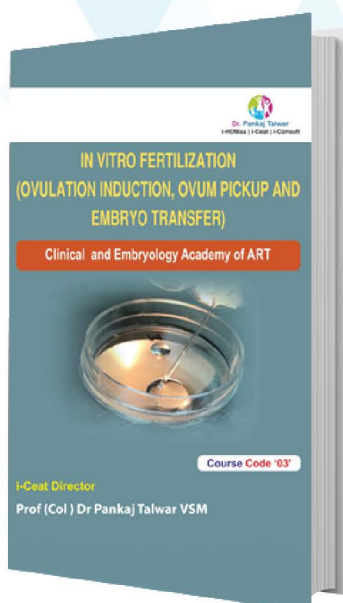
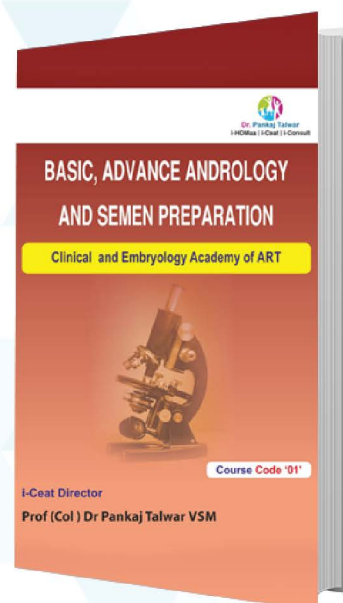
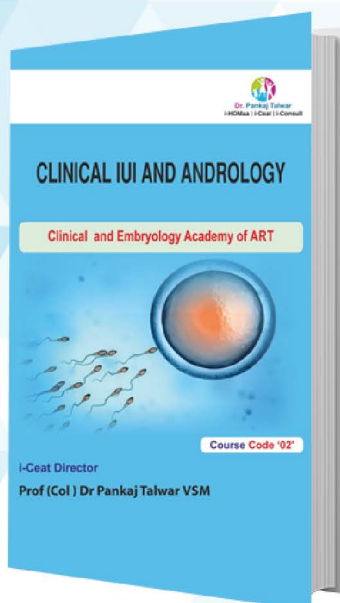
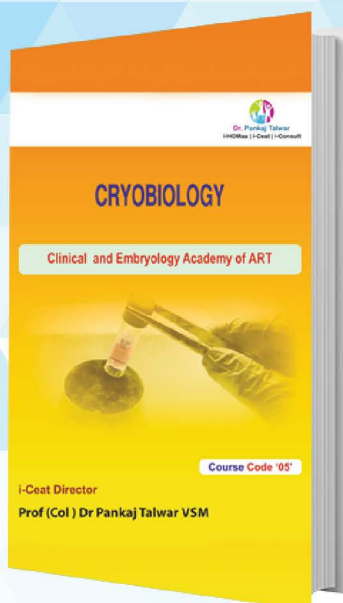


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# Course Reading Material



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To Know More

# Matritva Dream YouTube Channel

is created with intention of imparting knowledge to **patients** about issues pertaining to infertility as well training **young gynaecologists and embryologists & IVF Specialists** to help infertile couples to conceive.



**To Visit  
YouTube Channel**



**Matritva Dream**  
Dr Prof (Col) Pankaj Talwar, VSM



# Conferring of Ph.D Degree







**Training Academy  
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