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Chief Embryologist, Cradle Fertility Centre

Founder Executive Body Member, ACE



Personal Details

DOB : 31st July 1981

Residential Address : 4/48 Bijoygarh,

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Kolkata, West Bengal

India, PIN: 700032

Educational Qualification

B.Sc (Honours)	Microbiology	University of Calcutta	2000-2003
M.Sc	Biotechnology	Berhampur University	2003-2005
PhD	Reproductive Toxicology	University of Calcutta	2008-2014

Projects Done

- Completed a project from Chittaranjan National Cancer Institute on a topic of "effect of Sub-chronic dose of lead acetate on cellular antioxidative enzymes glutathione, glutathione s-transferase and on hepatic lipid peroxidation in Swiss Albino mice" Cancer Chemoprevention Department from November 2005 to February 2006.
- Have done a project on Economical Production of Biodiesel from various sources from Vijaygarh Jyotish Ray College, Chemistry Department.

Clinical Research Experience

- Worked as Research Coordinator in a multicentre drug trial under supervision of FDA, Project title "A 6 Day , Phase 3, Multicentre, Randomized, Double Masked, Parallel study to compare the Safety and Efficacy of Gatifloxacin 0.5% Ophthalmic solution BID with that of Vehicle in the treatment of Acute Bacterial Conjunctivitis", Dec 2007-Sep 2008.
- Worked as Research Coordinator in a multicentre drug trial under supervision of FDA, Project title "A Randomized, Double Masked, Active Controlled, Phase 3 study of the Efficacy, Safety, and Tolerability of repeated doses of intravitreal VEGF Trap-Eye in subjects with neovascular age related macular degeneration (AMD)", Sep 2008-Jan 2011.

Present Attachments

Chief Clinical Embryologist & Scientific Director

Cradle Fertility Center, Diamond Park, Joka, Kolkata.



Previous Attachments

Research Scholar, PhD in Reproductive Toxicology, University of Calcutta, Department of Environmental Science, under guidance of Late Prof Ashok K Bhattacharyya and Prof. Sudip K Banerjee. My PhD Thesis title was "A STUDY ON THE EFFECT OF DIFFERENT CRYOPROTECTIVE AGENTS AND THE OUTCOME OF ENVIRONMENTAL ASSOCIATIONS ON THE QUALITY OF CRYOPRESERVED MALE AND FEMALE GAMETES".

Honorable Research Associate: Advanced Medical Research Institute & Hospitals (AMRI), 2008-2012

Clinical Embryologist, IVF Department, ISADOS Fertility Clinic, Belehata, Kolkata since March, 2013-Feb, 2014.

Membership in International Societies/ Academies

- ✚ Founder Executive Body Member, Eastern Zone Coordinator, Academy of Clinical Embryologists, India
- ✚ Founder Governing Body member, Institute of Reproductive Health & Toxicology (IRHT), India
- ✚ Lifetime Member, International Society for Fertility Preservation, USA
- ✚ Head, Operations, Lifeinvitro Pvt Ltd (www.Lifeinvitro.com and Journal of Reproductive Sciences & Technology), Nottingham, UK
- ✚ Former Cyber wing Chairman, ACE2014 International Conference, www.aceindia2014.com

International and National Level Workshops & Seminars Attended

- American Society of Reproductive Medicine (ASRM), 14th Oct – 19th Oct, 2011, 67th Annual Meeting on Infertility, Orlando, Florida, USA Parag Nandi, Sudip K Banerjee, Sudip Basu, Madhab Chandra Das Pronab Dasgupta Alex C Das, Dasgupta, Varghese : A preliminary study on heavy metals (lead, cadmium and arsenic) in follicular fluid and its effect on oocyte, embryo quality and outcome of IVF treatment.
- Attended 16th National Congress on Assisted Reproductive Technology and Advances in Infertility Management, Pune, Maharashtra, Indian Society of Assisted Reproduction (ISAR), 2011.
- Attended 15th National Congress on Assisted Reproductive Technology and Advances in Infertility Management, Kochin, Kerala, Indian Society of Assisted Reproduction (ISAR), 2010.
- Attended 14th National Congress on Assisted Reproductive Technology and Advances in Infertility Management, Pune, Maharashtra, Indian Society of Assisted Reproduction (ISAR), 2009.Chandra Das,

Pronab Dasgupta Alex C Varghese A preliminary study on heavy metals (lead, cadmium and arsenic) in follicular fluid and its effect on oocyte, embryo quality and outcome of IVF treatment.

- Attended 16th National Congress on Assisted Reproductive Technology and Advances in Infertility Management, Pune, Maharashtra, Indian Society of Assisted Reproduction (ISAR), 2011.
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- Attended 14th National Congress on Assisted Reproductive Technology and Advances in Infertility Management, Pune, Maharashtra, Indian Society of Assisted Reproduction (ISAR), 2009.

International and National Training Done

- ✓ Undergone Exclusive Hands-on Training on “Cook Vista Workshop: A Review of Gold Standard Practice in IVF” by Dr James Catt at CREST Centre, National University Hospital Singapore, 7th-9th June, 2013.
- ✓ Undergone Exclusive Hands-on Training for 15 days on “IVF and ICSI” by Dr Srinivas M, at CREST, Bangalore, Dr Kamini Rao’s centre CREST-BACC, 2011.
- ✓ Undergone Exclusive Hands-on Training on Real Time PCR, Western Blotting, and Primer Designing, Penn State University, The Institute for Genomics, Proteomics, and Bioinformatics, by Dr Sagarika Kanjilal, Faculty, PSU and Dr Vivek Kapur, Head & Professor, PSU; 21st October to 5th November, 2011.
- ✓ Undergone training in DST (Department of Science & Technology, Govt. of India) sponsored workshop for “Young Scientists on Live Cell Functional Imaging And Neurotransmitters Receptors Functional Regulation”, Kochi University ---March 2010.
- ✓ Attended Live Workshop on “In vitro fertilization” at Institute of Human Reproduction Kolkata, November, 2008.
- ✓ Undergone training in “Micromanipulation of Gametes and Vitrification & Comprehensive Workshop on Andrology”, organised by Bengal Urological Society & Andrology & Reproductive Health research program Ashok Laboratory in association with University of Calcutta, VIMS, IVF & Infertility Research Center, Indian Institute of Chemical Biology, IIT, Kharagpur.---August. 2006.

Recent Full Paper Publication/ Communications

1. Dyutiman Mukhopadhyay, Parag Nandi, Alex C. Varghese, Rohit Gutgutia, Samir Banerjee, Asok K. Bhattacharyya "The in vitro effect of benzo[a]pyrene on human sperm hyperactivation and acrosome reaction" *Fertility and Sterility*, (2010). IMPACT FACTOR: 4.17.
2. Dyutiman Mukhopadhyay, Alex C. Varghese, Parag Nandi et.al., "CASA based sperm kinematics of environmental-risk-factor exposed human semen samples designated as normozoospermic in conventional analysis", 2010, *Andrologia*, IMPACT FACTOR: 1.152.
3. Dyutiman Mukhopadhyay, Amrita Mitra, Parag Nandi, Alex C Varghese, Nabendu Murmu, Ashok K Bhattacharyya "Expression of Metallothionein-1 (MT-1) mRNA in the rat testes and liver after cadmium injection", 2009, *Syst Biol Reprod Med*, IMPACT FACTOR: 1.467
4. Dyutiman Mukhopadhyay, Alex C. Varghese, F Pathan, Manisha Pal, Shukla Kundu, Parag Nandi, Samir Banerjee, Asok K. Bhattacharyya "Effect of age on semen parameters as observed in 2,329 men attending an andrology laboratory in an Indian city" (Communicated, 2013).
5. Parag Nandi, Alex C Varghese, Sudip K Banerjee et al "Lead, Cadmium and Arsenic Content in Seminal Plasma and its Effects on Seminogram", 2015, *Journal of Science & Technology*, IMPACT FACTOR: 3 (Under Review).
6. Pamela Banerjee, Koustav Panda, Parag Nandi, Sudip K. Banerjee, 2013. "Oxidative Damage of Liver, Kidney and Serum Proteins with Apoptosis of above Tissues in Guinea Pigs Fed on Carbonated Soft Drink." *Asian Journal of Biochemistry*, 8: 1-13.
7. Parag Nandi, Alex C Varghese, Madhab Chandra Das, Pamela Banerjee, Nabendu Murmu, Sudip K Banerjee, 'Lead, Cadmium and Arsenic Content In Seminal Plasma and Its Effects on Seminogram', *International Journal of Science, Engineering and Technology*, Volume 3 Issue 1 Jan-Feb, 2015, p. 204-208.

Chapter Published in Books

Alex C Varghese, Parag Nandi, Reda Mahfouz, Kelly S Athaide TS, Ashok Agarwal. *Human Sperm Cryopreservation, Andrology Laboratory Manual*, Pg: 196-208; Edited by Rao, Agarwal & Srinivas, Jaypee Medical Publishers, 2010.

Abstracts Published

1. R. Gutgutia, D. Mukhopadhyay, Parag Nandi, A.K. Bhattacharyya, S. Banerjee, A. Agarwal "In vitro analysis of the effect of benzo a pyrene on sperm hyperactivation" Abstract# 650567, Presented at 64th annual meeting of American Society of Reproductive Medicine (ASRM), *FertilityandSterility*, September 2008 (Vol. 90, Page S185).

2. Indian Society of Assisted Reproduction (ISAR), 2009, 14th National Congress, Pune, Maharashtra, Poster, 2009: Declining semen quality in Indian subcontinent-A study spanning two decades. Bhattacharya J, Bhattacharyya AK, Mukhopadhyay D, Varghese AC, Nandi P, Page 109.
3. Indian Society of Assisted Reproduction (ISAR), 2010, Parag Nandi, Dyutiman Mukhopadhyay, Alex C Varghese, Anjan Chatterjee, Ashok K Bhattacharyya, Sudip K Banerjee, AGING: EFFECT ON SEMEN PARAMETERS OF 2,329 MEN ATTENDING AN ANDROLOGY LABORATORY IN AN INDIAN CITY.
4. Indian Society of Assisted Reproduction (ISAR), 2010, Parag Nandi, Dyutiman Mukhopadhyay, Ashok K Bhattacharyya, Jaya Bhattacharyya, Barnali Sinha, EVALUATION OF HUMAN SPERMATOZOA FUNCTIONAL CHARACTERISTICS, ISAR, 2010.
5. Indian Society of Assisted Reproduction (ISAR), 2010, S. Suresh, Alex C Varghese, Parag Nandi, Samar Pal, Pronab Dasgupta, Madhab C Das, Sudip Basu, RELATIONSHIP BETWEEN ANTIOXIDANT PROFILE IN SEMINAL PLASMA AND CLINICAL SEMEN PARAMETERS IN INFERTILE MEN, ISAR, 2010
6. American Society of Reproductive Medicine (ASRM), 2011, 67th Annual Meeting on Infertility, Orlando, Florida, USA Parag Nandi, Sudip K Banerjee, Sudip Basu, Madhab Chandra Das, Pronab Dasgupta, Alex C Varghese : A preliminary study on heavy metals (lead, cadmium and arsenic) in follicular fluid and its effect on oocyte, embryo quality and outcome of IVF treatment. Pg no. S155, Vol 96, No. 3, Sep, 2011. IMPACT FACTOR: 4.17.

International and National Training Coordinated/Organized

1. International Conference: ACE2012, New Delhi, Organizing Committee
2. International Conference: ACE2013, Bangalore, Organizing Committee
3. International Conference: ACE2014, Indore, Organizing Committee & Cyber-wing Chairman
4. WHO Workshop on 2010 Criteria by Dr Danniell Franken, ACE, Mumbai, January 2013, Workshop Coordinator.

Reference



Dr Alex C Varghese, Ph.D

Immediate Past President, Academy of Clinical Embryologists, India.

Former Academic Coordinator & Chief Embryologist, Montreal Reproductive Centre, QB, Canada.

Former Scientific Director, AMRI, Kolkata.

Faculty in ART Training, Clinical lab work-up,

Center for Reproductive Medicine, Cleveland Clinic Foundation. Ohio, USA.

Founder, Lifeinvitro Pvt Ltd (www.Lifeinvitro.com and Journal of Reproductive Sciences & Technology), Nottingham, UK

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Dated: May, 2017

Digital Sign, QR Code



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