

Curriculum Vitae of Himanshu Patel

Name : Himanshu A. Patel

Date of Birth : 19-03-1970
Nationality : Indian
Marital Status : Married
Languages Known : English, Gujarati, Hindi
Address : STEM CURE, 1st Floor, Shashwat Building,
Nr. Naranpura Cross Road,
Ahmedabad - 380013 INDIA

Phone : +91 98240 57910 / 079-27683121

e-mail : hpatel@stemcureindia.com

web : www.stemcureindia.com

Present Position:

CEO & Founder - "STEM CURE" The Centre for Reproductive Medicine & Stemcell Therapy, Ahmedabad, INDIA

Adjunct Professor in Stem Cell & Regenerative Medicine at Padmashee Dr. D.Y. Patil University, Navi Mumbai, India.

Academic Affiliations:

- Member of the Committee for Clinical Research in Indian Society of Assisted Reproduction (ISAR). An official society for ART in India.
- Member of Canadian Fertility Society
- Member of Fertility Society of Australia

Career Highlights

- Over 10 years of professional experience in the embryology field and 5 years in Tissue Culture & Cell Biology field including Total Quality Management.
- Achieved surrogate pregnancy in which grandmother has delivered twins of her daughter
- First in India to developed Autologus Chondrocyte Culture for the treatment of cartilage defect
- Developed Melanocyte Culture technique applicable treating vitiligo cosmetically
- Developed Keratinocyte Culture technique applicable treating Non-healing ulcers, burn skin
- Developed clinical application of adult bone marrow stem cells (autologus cultured & differentiated) in Myocardial Infarction, Pulmonary Hypertentation, Dilated Cardiomyopathy and Peripheral Vascular Disorders.

Professional Training

- Stem Cell Institute of University of Minneasota, USA 2007
MAPC culture & Differeintiation
- Queen Marry's School of Medicine and Dentistry, London, UK 2003
Training for culture of Keratinocyte, Melanocyte and Fibroblast
- Praxisklinik For Fertilitat, Berlin, Germany 2001
Discussed technical issues concerning IVF/ICSI and embryology.
Demonstrated the method of gradient separation of X and Y bearing sperm
- Jordan Hospital IVF Unit, Amman, Jordan 2001
Got hands-on-training in ICSI
- Diamond Institute of Infertility, NJ, USA1997
Got Training in ICSI, Embryo cryopreservation, Pre implantation sex selection
- Shree Clinic, Pune, India 1996
Trained in ART procedures like as oocyte identification to culture, Semen freezing etc

Professional Experience

- Cell Culture & Stem Cell (at Stem Cure) 2003 – Till Date
- Culturing various human cells for autologus cell implantation and it's clinical use
 - Melanocyte culture
 - Keratinocyte culture (Cultured autologus epithelium)
 - Full thickness skin culture
 - Chondrocyte culture
 - Osteoblast culture
 - Adult bone marrow stem cells culture and differentiation and it's clinical application in human like as Endothelial Progenitor stem cell, Mesancymal Stem cell etc.

Consulting Embryologist (since 1997)

- Freelance embryologist to many IVF clinics in India, Sri Lanka, Malaysia & various senters in South East Asia
- Individually performed all ART procedures inclusive IVF-ET, ICSI, Embryo Cryopreservation, Blastocyst Culture etc
- Embryo Biopsy for PGD with help of laser

Junior Embryologist (1995-1996) Trainee Embryologist (1995-1995)

Safal Fertility Clinic, Ahmedabad, India
Performed ART procedures like as ICSI, IVF-ET, Embryo Cryopreservation, Andrology etc

Research Fellow (1994-1995)

Genetics Centre, Ahmedabad, India.
Lymphocyte Culture, Karyotypic Analysis, Andrology Workup
(Semen Analysis, Sperm Preparation by Different Methods, Sperm function tests etc)

Research Fellow (1992-1994)

Collaborative project – Harvard University USA & Civil Hospital, Ahmedabad
 Lymphocytes isolation peripheral blood (From approximately 250 samples)
 DNA isolation and HLA Typing (From approximately 700 samples)

Educational milestones

Master of Science (Clinical Embryology) University of Leeds, Leeds, UK	2006
Post Graduate in Diploma (Medical Laboratory Technology) Gujarat Cancer & Research Institute, Ahmedabad, India	1992
Bachelor of Science Gujarat University, Ahmedabad, India	1991

Presentations / Guest Lectures

- “Stem Cell – Hype & Hope with special reference to Infertility” at 13th National Congress on Assisted Reproductive Technology and Advances in Infertility Management (under the auspices of Indian Society of Assisted Reproduction) at Bhuvneshwar, March 2008
- “Application of Adult Stem Cell in various human disorders” at 18th National Symposium on Recent Trends in Reproductive Health Research (ISSRF 2008) (Organized by the dept. of Obst. & Gynaecology, Deccan College of Medical Sciences in collaboration with CCMB at Hyderabad) at Hyderabad, Feb 2008
- "Role of stem cells in reproductive failures" at Fertilisation2007 (Hosted by Indian Fertility Society) at New Delhi, Dec 2007
- Live demo of Blastomer biopsy & slide fixation for PGD at 12th National Congress On Assisted Reproductive Technology And Advances In Infertility Management (Under the auspices of Indian Society Of Assisted Reproduction) at Chandigarh, Feb 2007
- “PGD in IVF” at Fertilisation 2006 (Hosted by Indian Fertility Society) at New Delhi, Dec 2006

- “Choice of Incubators” at 11th National Congress On Assisted Reproductive Technology And Advances In Infertility Management (Under the auspices of Indian Society Of Assisted Reproduction) at Bangalore, Feb 2006
- Delivered lecture on ‘Disposables –used in ART Procedures’ at The 1st Nation Congress on Progress and challenges in Gynaec Endoscopy & Infertility at Ahmedabad, Feb 2006
- Free paper on “Chondrocyte Culture – An Indian Experience” at Indian Arthroscopy Society congress – 2005 at New Delhi, Oct 2005
- “Laboratory procedure in Infertility Treatment” at Ahmedabad Medical Association, March 2004
- Invited Guest faculty for workshop on Ovulation Induction and IUI, at The Federation of Obstetric & Gynaecological Societies of India (FOGSI) at Agra, Jan 2004
- Invited Guest faculty for workshop on Ovulation Induction and IUI, at International Congress on Infertility (Jointly organized by The Federation of Obstetric & Gynaecological Societies of India) at Mumbai, Nov 2003
- Conducted IUI workshop at Practical Management of Infertility Part-1 hosted by Bedi IVF & Infertility Center, Chandigarh, Nov 2003
- “Recent Advances in IVF” at 12th Annual Congress of Indonesian Society of Obstetric & Gynecology at , Yogyakarta, INDONESIA, July 2003
- Invited panelist for “Improving Results from OPU to ET at 9th National Congress On Assisted Reproductive Technology And Advances In Infertility Management (Under the auspices of Indian Society Of Assisted Reproduction) Feb. 2003 at Indore
- Conducted IVF Workshop at Anand Ob. & Gy. Society, Anand, Feb 2003
- Conducted workshop on various aspect of Andrology at 6th International Medical Congress, Kendy – SRI LANKA , 13th –15th Dec 2002
- “Melanocyte Transplantation – Culture Technique” at 5th ACSI (Association of cutaneous surgeons of India), Chandigarh, Nov 2002
- “IUI- The Procedure” at IUI Workshop, Krishna Nurshing Home, Baroda, July 2002
- “Tricks & Tips of IUI” at CME on Infertility & Genetics, Indian Medical Association (IMA). Academy of Medical Specialities, Banaras, Dec 2001
- Faculty for IUI workshop at PASCHIM 2001 – YUVA FOGSI (West Zone FOGSI Conference) Sept 2001
-

- “Impact of different culture system & Incubation time on Fertilization” at International Congress & Workshop on “Optimizing IVF Results” under the auspices of Kiran Infertility Clinic & FOGSI (The Federation of Obstetric & Gynecological Societies of India) Genetics and Fetal Medicine Committee on June 2001 at Hyderabad
- “Different Sperm Preparation Techniques” at International Congress & Workshop on “Optimizing IVF Results” under the auspices of Kiran Infertility Clinic & FOGSI (The Federation of Obstetric & Gynecological Societies of India) Genetics and Fetal Medicine Committee on June 2001 at Hyderabad
- “Comparison of Swim up Technique & Density Gradient Separation (Pure Sperm) for sperm preparation” at Mehsana Ob. & Gy. Society Jan 2000
- “Newer Advances in In Vitro Fertilization” at Anand Ob. & Gy. Society, Dec 1999
- “Sperm Banking & Semen Cryopreservation” at Mehsana Ob. & Gy. Society, Nov 1999
- “Different Sperm Preparation Techniques” at Infertility Update, Dr. R.M.Nadkarni Foundation, Ahmedabad Octo1998
- Delivered lectures on Semen Analysis, Sperm preparation Techniques etc. for Post Graduate Advance Diploma Course in Biomedical Technology at Department of Zoology, Gujarat University, Amedabad July 1998
- “Sperm Preparation Techniques in ART” at Jamnagar Ob. & Gy. Society, Jan 1997

List of Paper Publications

- H.A.Patel, M.H.Patel, S. Trivedi. Autologus chondrocyte culture & implantation in human – Indian experience. International Symposium on Stem Cells and Regenerative Medicine, Dhirubhai Ambani Life Sciences symposia series - II
- H.A.Patel. Sperm preparation techniques in ART. Saurashtra Medical Journal. 1998. Vol.1, No.9, 6-8
- H.A.Patel, N.D.Desai, R.C.Raval, F.E.Bilimoria, U.K. Karia. HLA system in Dermatology - Areview article. Quarterderm. 1996, vol.35, 15-20

- Delgado JC, Yunis DE, Bozon MV, Salazar M, Deulofeut R, Turbay D, Mehra NK, Pasricha JS, Raval RS, Patel H, Shah BK, Bhol K, Alper CA, Ahmed AR, Yunis EJ. MHC class II alleles and haplotypes in patients with Pemphigus Vulgaris from India. *Tissue Antigens*. 1996 Dec, 48(6), 666-672
- F.J.Sheth, V.R. Hydrabadi, J.J. Sheth, H.A. Patel, D.M.Shah. Sex chromosomal mosaicism and secondary amenorrhoea. *The Journal of Obstetrics and Gynaecology of India*. Vol.46, No.3, June 1996, 423-424.
- J.J.Sheth, F.J. Sheth, H.A. Patel. Alpha Fetoprotein (AFP). A marker for prenatal diagnosis of J birth defects. *Indian Journal of Clinical Practise*. 5(9), 87-89, 1995

Himanshu Patel
Oct. 2008