
Curriculum Vitae

Dr. Himanshu Patel

Present Position

Director - "STEM CURE PVT LTD' The Centre for Reproductive Medicine & Stem cell Development, Ahmedabad, INDIA

Academic Affiliations

- Member of the Committee for Clinical Research in Indian Society of Assisted Reproduction (ISAR). An official society for ART in India.
- Conducted Training program for the state government employee in Stem Cell. Which was sponsored by Gujarat Biotechnology Mission, Department of Biotechnology, Gujarat State Government, India.

Career Highlights

- First successful case in India – Endometrium regeneration through stem cells in the patient of Asherman Syndrome and patient get pregnant.
- 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

Curriculum Vitae

Dr. Himanshu Patel

- Diamond Institute of Infertility, NJ, USA 1997
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

Stem cells development and tissue culture : Culturing various human cells for autologus cell implantation and it's clinical use, some are listed below :

- TNC (Total Nucleated Cells) separation from Bone Marrow and/or Cord Blood (cells cryopreserve from cord blood for future use).
- MNC (Mononuclear stem cells) separation from Bone Marrow, peripheral blood and /or Cord Blood (also called as hematopoietic stem cells or CD 34⁺ cells).
- MSC (Mesenchymal Stem Cells) culture from Bone Marrow, Cord Blood and/or Lipoaspirate material :
- EPC (Endothelial Progenitor Cells) from Bone Marrow and Blood :
- Melanocyte Culture from Small skin Biopsy :
- Keratinocyte Culture from Small skin Biopsy :
- Osteoblast Culture from small bone biopsy :
- Chondrocyte culture from small cartilage biopsy:

Curriculum Vitae

Dr. Himanshu Patel

Consulting Embryologist (since 1997)

- Freelance embryologist to many IVF clinics in India, Sri Lanka, Malaysia & various centers 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

List of Paper Publications

Tapan R.Shah, Himanshu Patel, Naazneen Surti, Ambikanandan Misra, Neelam Kedia Mokashi, Nafisa Balasinor and Srabani Mukherjee. Targeted Delivery of Etoposide to Lung Cancer: Formulation, Characterization and Stability Studies of Dry Powder Inhalers of Hyaluronan Grafted Liposomal Etoposide. Drug Development and Industrial Pharmacy (In communication)

Tapan R.Shah, Neelam Kedia Mokashi, Nafisa Balasinor, Srabani Mukherjee, Himanshu Patel, Naazneen Surti and Ambikanandan Misra. In vitro Cell Cytotoxicity and cell uptake studies for Hyaluronan grafted Docetaxel Liposomes to target lung cancer. Journal of Liposome Research. (In Communications)

Nagori C B, Panchal S Y, Patel H. Endometrial regeneration using autologous adult stem cells followed by conception by in vitro fertilization in a patient of severe Asherman's syndrome. J Hum Reprod sci 2011; 4 : 43-8.

S. Rastogi, P. Goyal, K. Mangla, N. Bhavsar, H. Patel, R.Rawal. Study of transplantation of melanocyte keratinocyte suspension in treatment of vitiligo. Indian Journal of Dermatology, 2006; 51(2):142-4.

H.A.Patel, M.H.Patel, S. Trivedi. Autologous 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 - A review 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

Presentations / Guest Lectures

- Delivered a guest lecture on “Therapeutic application of Stem Cells” at Stem Cells – a Miracle Grow. Organized by Government Medical College at Bhavnagar, April 2011
- Delivered a guest lecture on “Stem Cell Therapy” at 16th National Congress on Assisted Reproductive Technology and Advances in Infertility Management (under the auspices of Indian Society of Assisted Reproduction) at Agra, March 2011
- Delivered a guest lecture on “Application of Stem Cell in Infertility Management” FOGSI at Varanasi, Jan. 2010.
- “Panel Discussion : Stem Cells in OB and Gyn - Update 2009”. Society of Obstetricians & Gynaecologists of Gujarat, at Anand, Jan 2010.
- Delivered a guest lecture on “Stem Cell implication in Dermatology”. Dermazone West 2009 at Ahmedabad, Dec. 2009
- “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
- Workshop - "Melanocyte Keratinocyte Transplantation in Stable Vitiligo" 4th Academic meeting of GSKAFFORD at Ahmedabad, Jan 2008.
- Role of stem cells in reproductive failures" at Fertivision2007 (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 Fertivision 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

Curriculum Vitae

Dr. Himanshu Patel

- 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, Kandy – 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

Curriculum Vitae

Dr. Himanshu Patel

- “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

Educational milestones

Doctor of Philosophy (Ph.D.)

2011

Gujarat University, Ahmedabad

Master of Science (Clinical Embryology)

2006

University of Leeds, Leeds, UK

Post Graduate in Diploma (Medical Laboratory Technology)

1992

Gujarat Cancer & Research Institute, Ahmedabad, India

Bachelor of Science

1991

Gujarat University, Ahmedabad, India