

ART (Assisted Reproductive Technology)

At StemCure along with conventional ART techniques we continuously engaged in bringing new innovations of ART. We share our expertise of stem cell technology to overcome the legal and ethical barrier of ART and to bestow the couple the true pleasure of natural parenthood.

Andrology

We offer following services in Andrology,

- Semen analysis
- Sperm preparation
- Semen Freezing
- Sperm DNA fragmentation analysis

Sperm DNA fragmentation test is very crucial in diagnosis and treatment of male infertility. StemCure is one of the leader in performing Sperm DNA fragmentation test.

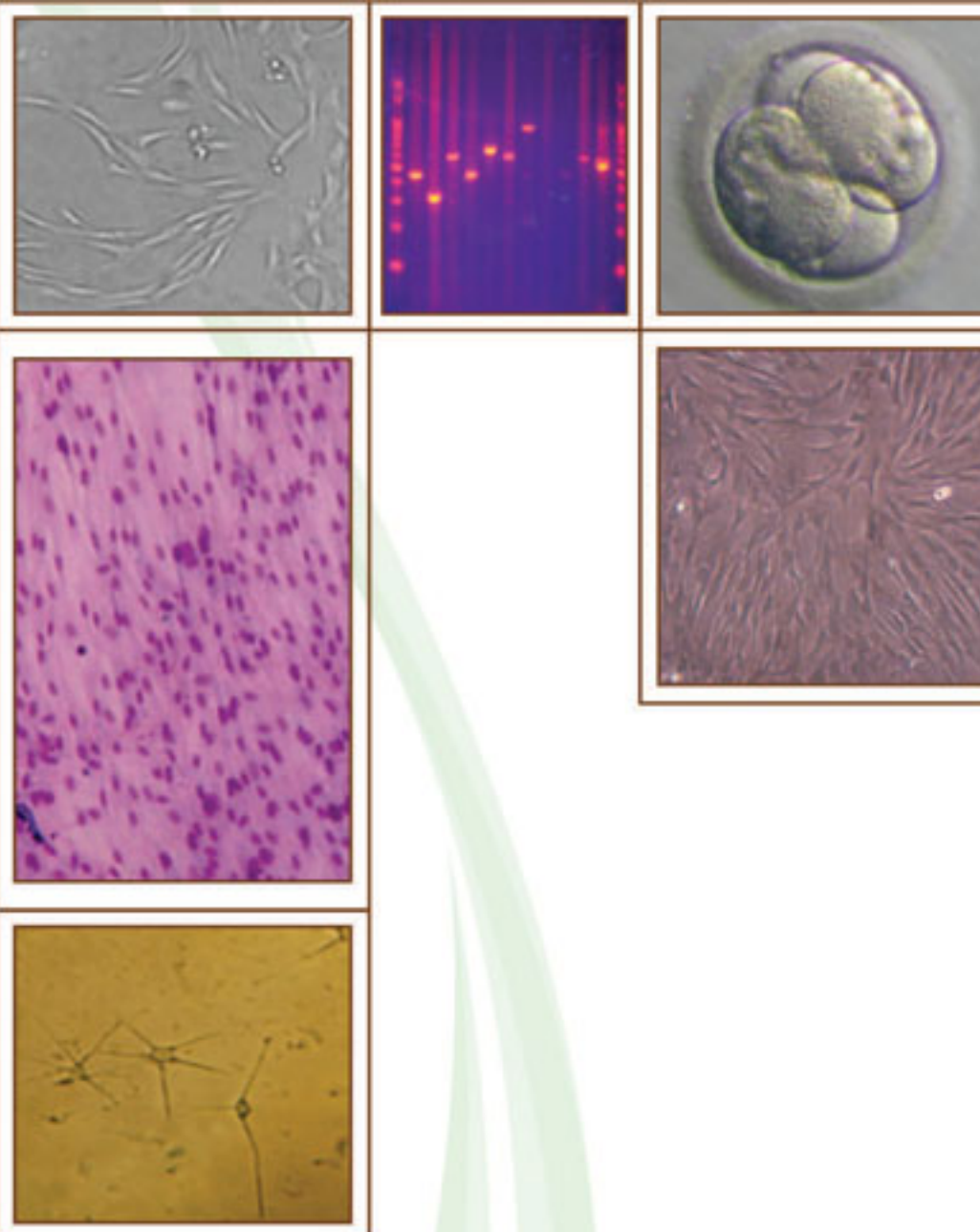
Embryology

StemCure has state of art set up where we perform following procedures,

- In Vitro Fertilization (IVF),
- Intracellular sperm injection (ICSI),
- Embryo Freezing,
- Preimplantation Genetics Diagnosis

We also offer stem cell therapy for endometrium regeneration to avoid surrogacy which is expensive and having some ethical and legal hesitation in acceptance.

Our center is extending the hand for the ART specialist, who would like to exploit the paramount skill and set up for their ART procedures. Apart from that we do offer consultancy and training for the embryology work.



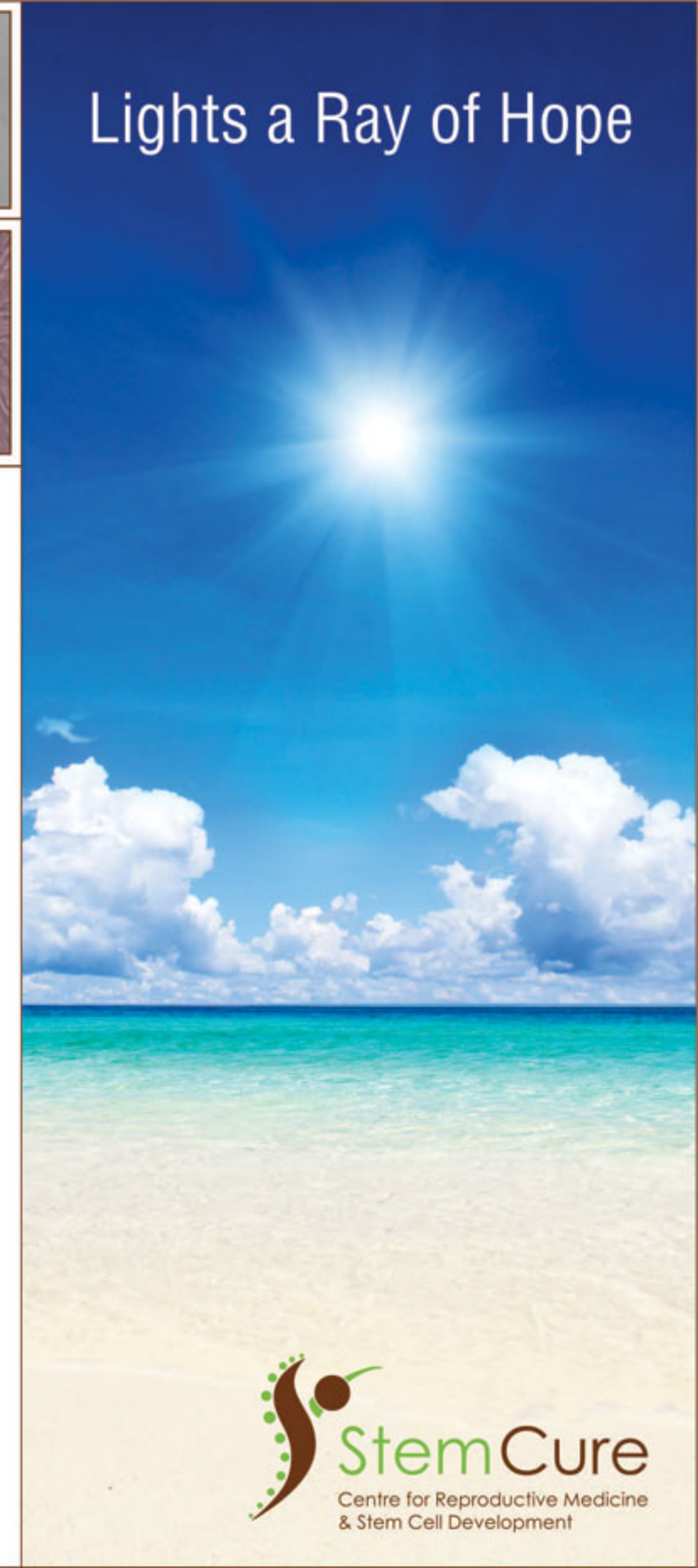
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Lights a Ray of Hope



About Us

StemCure is the centre actively engaged in regenerative medicine, stem cells development and ART (Assisted reproductive technology). Sincere efforts and dedication of Dr. Himanshu Patel, his team and state of art facility made the centre as a one of the key service provider in this field.

Persistent engagement of StemCure in research of stem cells developments and tissue culture make it possible to offer various types of cells for the patients suffering from the condition where no alternate established therapy is available or it require long waiting period for organ or tissue donation. StemCure has focused its work for autologus adult stem cells, which are more preferable for clinical use due to its efficacy, safety and ethical issue.

Dr. Himanshu Patel is renowned embryologist & Stem Cell Biologist and at StemCure he continuously exploring new techniques in the field of ART in combination with stem cells therapy to offer the best options for treatment to couples so as they can enjoy parenthood of biologically own offspring.

StemCure with its expertise also encourages researchers and scientists new to this field for their projects by providing them assistance and know-how.

List of diseases for which we offer stem cells,

Cardiovascular

- Coronary artery disease
- Dilated Cardiomyopathy
- Congestive Heart Failure
- Myocardial infarction
- Primary Pulmonary Hypertension

Lung Diseases

- Intestinal Lung Disease (ILD)
- Acute Respiratory Distress Syndrome (ARDS)
- Chronic Obstructive Pulmonary Disorder (COPD)

Spinal Cord Injuries

Orthopedic Disorders

- Cartilage Defect
- Bone Defects

Gynecological Disorders

- Degenerative / Poor Endometrium Development
- Asherman Syndrome

Skin Disorders

- Burns, Wounds & Ulcers
- Vitiligo

Cosmetic Therapies

- Face Lifting
- Breast Augmentation

Stem Cells and tissue culture

StemCure is a leading service provider for autologus adult stem cells development and therapy. Processing of stem cells is performed at state of art facility of our centre with great care and by following GMP / GTP guideline. The list of autologus cells we offer for therapy is as follows:

Mononuclear cells (MNC) from

- Bone Marrow,
- Peripheral Blood
- Umbilical Cord and Cord Blood

Angiogenic/Endothelial progenitor cells from MNC

Mesenchymal Stem Cells from

- Adipose Tissue
- Bone Marrow

Melanocyte Culture from Skin Biopsy

Keratinocyte Culture from Skin Biopsy

Fibroblast Culture from Skin Biopsy

Chondrocyte Culture from Cartilage Biopsy

Osteoblast Culture from Bone Biopsy

We also continuously engage to establish and standardize cells cultures other than listed above in our R&D Laboratory. Apart from isolation and differentiation of stem cells in to specific lineage, we perform confirmation of cells after differentiation through various studies. We perform Phenotypic and Genotypic study of surface marker using various antibodies and RT PCR gene expression studies at our advanced molecular biology laboratory set up. Also we continuously explore new techniques to evaluate quality and quantity of cells used for clinical purpose.

