



# DON'T REPLACE, REGROW.

**A NEW REGENERATIVE CELL THERAPY.  
A REVOLUTIONARY TREATMENT  
FOR KNEE & HIP PROBLEMS.\***



**JOINT CLINIC**

To know more visit: [www.dontignorepain.com](http://www.dontignorepain.com)  
or call: 1860-500-1066

\*Contact your nearest Apollo Hospitals' Consultant to ascertain your suitability to undergo Regenerative Cell Therapy.

# REGROW YOUR CELLS. REBUILD YOUR LIFE<sup>®</sup>.

Today's world is moving at a pace faster than you could imagine, be it work, sport, recreation or carrying on the chores of life. While we take our body for granted, it's only when it signals an alert, that we stand up to take note. A painful degenerating knee tissue for example which can hamper the pace of your life.

RMS REGROW is the leading Indian Biotech company focused on the delivery of the most advanced cell therapy treatments. Regenerative medicine has been recognized as a promising alternative to human tissue or organ transplant since 1950s. At REGROW, we believe in regenerating to restore the natural way. No one but 'you' know your body the best. With this core principle, we REGROW your cells using the most advanced cell therapy treatment to rebuild your life.

If 'Mobility' is the key to the world today, we help you get back to doing what you are passionate about. We are regenerating life, creating new possibilities and hope each day.

Exclusively available at





True leadership is driven by a purpose. When this purpose is aligned with a belief, all impossibilities cease to exist in carrying out that purpose

- Mr. Yash Sanghavi  
CEO & MD



## ABOUT REGROW



### THE PURPOSE

Biotechnology and in particular stem cell bioprocessing and cell based therapeutics is considered to be a pivotal and new growth engine to lead the future economy of India.

REGROW recognizes the national and public expectations from the healthcare sector in India and continues its efforts to achieve commercial breakthrough solutions for the unmet medical needs.

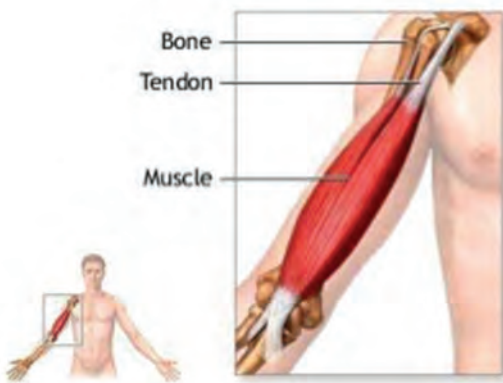
### THE MISSION

Our goal is to improve healthcare in India, aiming to provide proven and advanced cell therapy treatments for intractable diseases with focus on regenerative medicine. We take pride in being pioneers of cell therapy technology and the first success story under the "Make in India" initiative.

### THE JOURNEY

REGROW has dedicated its focus on stem cell technology since its inception in 2009. The development of its state-of-the-art autologous cell therapy platform has led to the successful commercialization of the world's first bone cell therapy product, OSSRON™ and India's first cartilage cell therapy product, CHONDRON®.

# THE MUSCULOSKELETAL SYSTEM



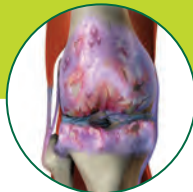
The musculoskeletal system is made up of several connective tissues including bones, muscles, cartilage, tendons and ligaments. Each joint has different functions such as supporting the body, allowing motion and protecting vital organs.

All of these tissues collectively provide stability to the body similar to how metal bars inside concrete make it stronger for construction.

## IRREPARABLE DAMAGE

Most tissues in our body tend to break, degenerate and die with the stresses of everyday life. However, the damage within the musculoskeletal system cannot be repaired without a surgical intervention.

## MUSCULOSKELETAL DISORDERS



**OSTEOARTHRITIS**  
(Joint destruction)



**OSTEOPOROSIS**  
(Brittle bones)



**RHEUMATOID ARTHRITIS**  
(Swelling of joints)



**BONE CANCER**

## REGROW THE REVOLUTION

REGROW's revolutionary cell therapy treatment makes this repair possible through a **permanent, easy and natural way** to regain normal function.



**PERMANENT**



**EASY**



**NATURAL**

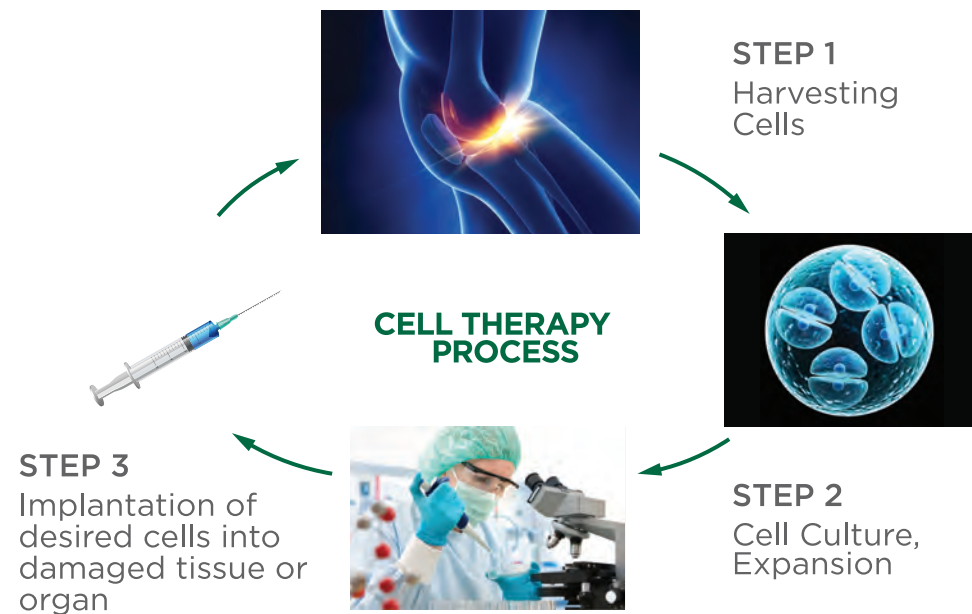
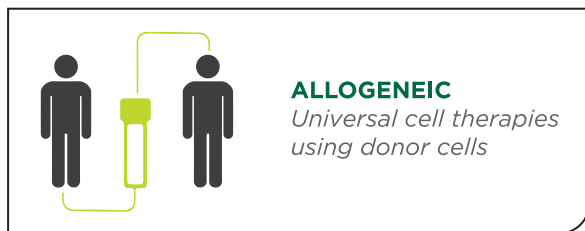
# CELL THERAPY

## THE INNOVATION



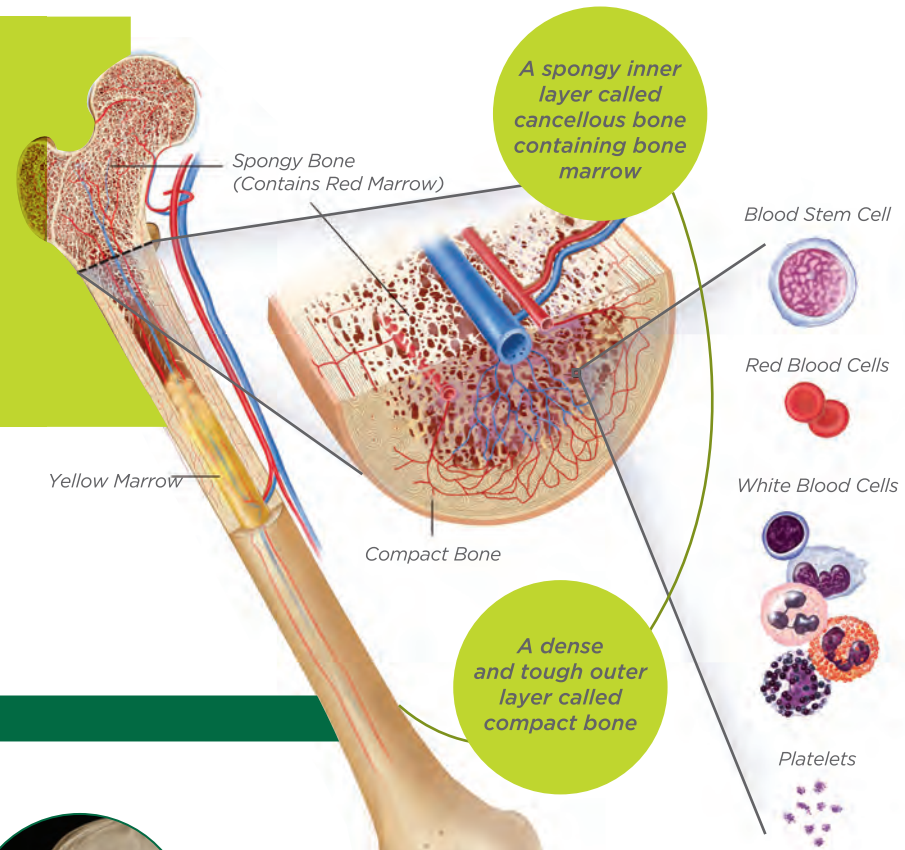
Cell therapy is a therapy in which cellular material is injected into a patient. This generally means intact healthy living cells replacing diseased or dysfunctional cells.

CELL THERAPY CAN BE BROADLY BROKEN DOWN INTO TWO MAJOR COMPONENTS:



# BONES THE BASICS

Bones in our body are living tissues surviving with their own blood supply allowing several cycles of bone remodeling during one's lifetime.



## THE DAMAGE & DEFECTS

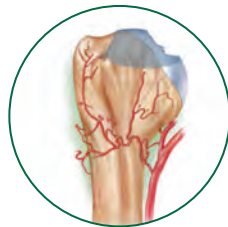
Bones in the body are affected by

- Genetics
- Hormones
- Diet
- Physical activity
- Disease
- Age
- Drugs

## BONE DEFECTS IN THE LONG RUN LEAD TO MORE SEVERE CONDITIONS

### • NON UNION FRACTURES

Permanent failure to heal following a broken bone due to onset of osteoporosis, poor blood supply or bone infection leading to serious complications.



### • AVASCULAR NECROSIS

(Bone Death in joint)  
Cellular death of bone components is caused due to interruption of the blood supply. Without blood, the bone tissues die and the bone collapses.



### • ORAL & MAXILLOFACIAL BONE DEFECTS

Bone defects in the face, oral cavity and maxillofacial region arising due to oral cancer, cysts or tumors.

Bones break when they are subjected to extreme force or stress. The most commonly broken bones are those in the wrist, hip, knee and ankle.

## THE SYMPTOMS OF BONE DEFECT ARE:



Stiffness in joints



Severe immobility



Swelling & Infection



Joint deterioration

# OSSRON™ BONE CELL THERAPY

## BENEFITS:

- Targeted, personalized Cell Therapy
- Accelerated bone healing
- Three-dimensional bone regeneration
- Complete relief from pain
- Further progression of the disease is ceased
- New blood supply is initiated which further supports bone growth
- Active normal life



**MOBILITY IS  
EVERYTHING**

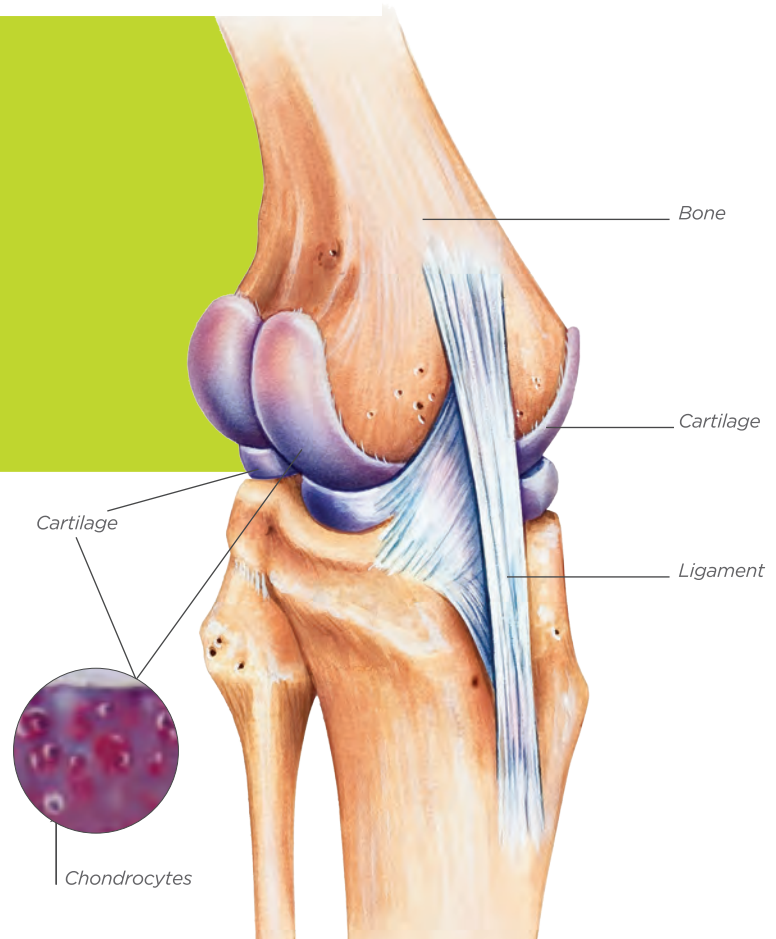




# CARTILAGE

## THE BASICS

Cartilage is a rubbery connective tissue found in many parts of the body. Although it is a tough and flexible material, it is relatively easy to damage. Cartilage is made of special cells called chondrocytes which support and repair the cartilage matrix.



### THE FUNCTIONS OF CARTILAGE:

Helps support our weight when we run, walk, bend and stretch

Allows smooth movement

Acts as shock absorber

Reduces friction between bones

### THE CAUSES



An accident or Trauma



Wear and tear of everyday life



Sports Injuries



Lack of movement

### THE SYMPTOMS



Joint pain



Stiffness



Swelling



Clicking



Joint locking

Due to lack of blood supply to cartilage, its damage in the joints in the long run leads to

- Inflammation and severe pain
- Partial or complete disability
- Eventually osteoarthritis

# CHONDRON<sup>®</sup> CARTILAGE CELL THERAPY

## BENEFITS:

- Targeted, personalized Cell Therapy
- Regeneration of hyaline like cartilage
- Minimally invasive procedure
- Further progression of osteoarthritis is ceased
- Complete restoration of range of motion
- Active normal life involving sports





**GET BACK  
TO DOING WHAT  
YOU LOVE THE MOST**

**Exclusive Partner**



**REGENERATIVE MEDICAL SERVICES PVT. LTD.**



Recognized as Research & Development unit by the Department of Science and Industrial Research (DSIR), Ministry of Science and Technology, Govt. of India

**Committed to**



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