

Advancells announces Regenerative Medicine as the cure du futur for Osteoarthritis



Noida, Nov 29, 2019 (Issuewire.com) - Advancells, an Indian based research-oriented company is showing significant progress in helping patients worldwide against osteoarthritis and other orthopedic disorders using bone-marrow/adipose-derived PRP-activated autologous stromal cells in a Regenerative medicine-based therapy.

In normal joints, each bone end is covered by a protective layer of cartilage which helps in the smooth execution of body movements by neutralizing friction between the bones. In the case of osteoarthritis, the cartilage layers undergo wear and tear, which leads to pain, joint swelling and movement disability in patients. [Osteoarthritis](#) can happen to anyone but people who perform heavy-duty or athletic tasks are more prone to develop osteoarthritis as they age.

Osteoarthritis is the most common form of arthritis worldwide with a prevalence of 22-39% in the Indian adult population. Without an effective cure, it is very important for patients with osteoarthritis to pursue a healthy diet, exercise and occupational safety measures to prevent worsening of the disease as it levies a huge socio-economic burden on the society. Since the last decade, stem cells have successfully shown the capacity to restore and repair body tissues upon *in-sit* transplantation. Stem cells are the naïve cells of the body that possess the property of self-renewal and can differentiate into body cells of various lineages. This unique property of transdifferentiation makes them a potential candidate for applications in regenerative medicine.

At Advancells, we commit to the cause with an advanced Regenerative Medicine therapy comprising of **Platelet Rich Plasma (PRP)** and autologous stromal cells derived from the bone marrow or adipose tissues of the patient. As for the procedure, the stromal cells are isolated from the bone marrow or adipose tissue after source extraction and after a thorough quality assessment and analysis, these cells are site-specifically injected back into the patient's body under local anesthesia, along with their own PRP. The process is safe, minimally-invasive and experimentally-effective as compared to the risky surgeries or medication side-effects.

In the last 6 months, over 100 osteoarthritis patients have opted for **Regenerative Medicine therapy** at Advancells. Although treatments for stage 1 and stage 2 have shown improved body movements with a reduction in joint pain and stiffness, many patients with stage 4 or a late-stage 3 osteoarthritis cannot avail this therapy as they do not qualify the Patient Selection assessment. Thus, an early-detection of osteoarthritis can always help in a more successful remission and repair of the disease conditions by Regenerative therapy. At Advancells, with the help of experienced doctors and medical practitioners worldwide, every osteoarthritis patient is prescribed a safety and efficacy assessment and depending upon the severity of the disease, medical tests are suggested to proceed further for stem cell therapy, with a transparent informed consent. Post-treatment, every patient is followed up by our Clinical Research Team to monitor their progress and further analyze their prognosis.

To end with the words of **Dr. Sachin Kadam**, our **Chief technology officer at Advancells**, "We are approached by a lot of patients from around the world who wish to be a part of our program and it is very important for them to understand that current regenerative therapies are in an experimental phase and do not ensure a 100 percent cure. In the early stages of osteoarthritis, regenerative medicine has shown a potential promise to prevent further damage and initiate cartilage repair but chronic cases of osteoarthritis are yet to taste significant benefits from [stem cell therapy](#). With more time and research, regenerative medicine will soon be the most viable treatment option for osteoarthritis and a host of other tissue-specific disorders."

About Advancells

Advancells is one of the pioneer [stem cell research-oriented companies in India](#), which is focused on therapeutic applications of [Regenerative Medicine](#). Backed by experienced global medical practitioners and clinical research scientists, Advancells passionately believes in the limitless potential of autologous human stromal cells in providing a safe and natural cure for any tissue-specific disorder.

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Source : Advancells: Stem Cell Therapy Center

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