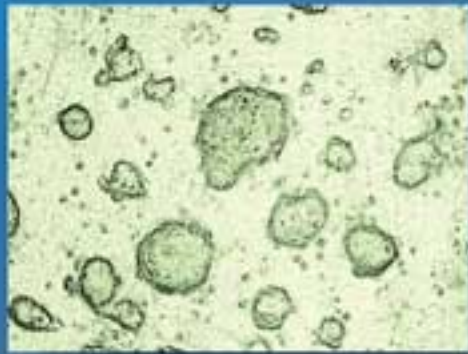


Stem cells are human master cells. They have the ability to grow into any of the body's more than 200 cell types. These cells continue to replicate and divide throughout life and give rise to cells that can become highly specialized, thereby regenerating and repairing damaged tissue.



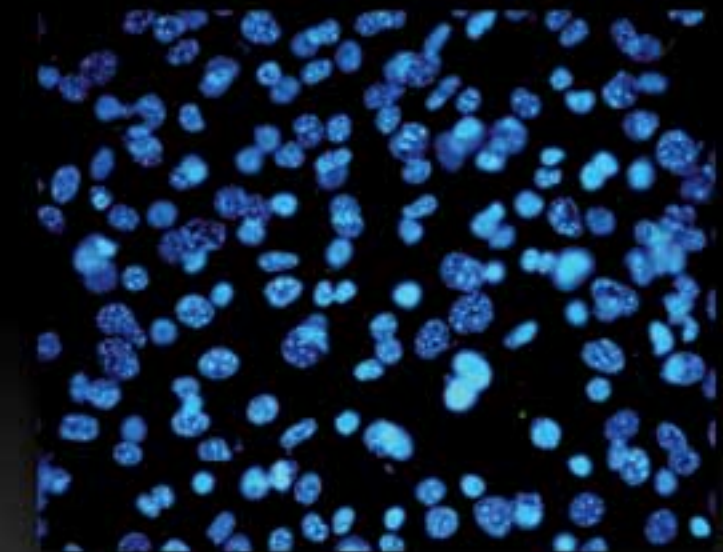
For years, stem cells derived from sources such as umbilical cord blood have been used to treat leukemia, other blood malignancies, and immune system diseases. Cytoresource, in collaboration with the world-renowned prestigious Reproductive Genetics Institute's Research and Education Center, has developed technology which allows our scientists to obtain stem cells from adipose (fat) tissue rich in these cells.



By harvesting autologous (person's own) stem cells, this revolutionary technique allows the cells to be used for treatment, avoiding possibility of rejection, infection, such as hepatitis or HIV, as well as controversies and government regulations surrounding embryonic stem cells. These autologous stem cells are then "deposited" in the highly specialized bank where they can be cryopreserved for years. They can be retrieved at any time should a person develop a condition amenable to the stem cell treatment.



In addition to currently accepted treatments for the conditions mentioned above, with today's fast-paced biotechnology research, new stem cell-related therapies will soon become available, making banking of autologous stem cells a form of "bio-insurance".



Some of the conditions under investigation for stem cell treatment include: Different types of cancer, strengthening myocardium (heart muscle) in heart failure and after heart attacks, diabetes, spinal chord injuries, stroke, multiple sclerosis, arthritis, joint and spinal disc disorders, autoimmune disease, rejuvenation and anti-aging therapies, cosmetic and reconstructive surgery, skin care and beauty products, urinary bladder treatment for stress incontinence as well as many others.



Questions and Answers:

Q. Is my fat tissue a good source of stem cells?

A. The fat tissue is an excellent source. It allows extraction of high quality stem cells using special techniques. Because it's your own tissue, there is no possibility of rejection or contracting infection from another person.

Q. How long can my cells be preserved for?

A. Properly obtained and preserved at a specially equipped, certified cell banking facility, the cells should retain their potency for decades.

Q. If my cells are used for treatment, can I run out of them?

A. Your cells can be replicated (multiplied) in our laboratory to ensure that your "deposit" will never run out.

Q. How is my fat tissue obtained?

A. The fat is usually obtained during a routine liposuction or other type of surgery involving removal of fat, using a special collection technique by your surgeon. For patients not undergoing surgery, a separate procedure involving removal of small amount of subcutaneous (under the skin) fat can also be performed.

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cytoResource

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