

# Recent Advances in Adult Stem Cell Research And Other Alternatives to Embryonic Stem Cell Research/Cloning

March 2011

## OVERALL SUCCESS

- “Doctors create urethras with patients’ own cells for first time,” *The Boston Globe*, March 9, 2011, [http://articles.boston.com/2011-03-09/news/29343322\\_1\\_cells-atala-body-parts](http://articles.boston.com/2011-03-09/news/29343322_1_cells-atala-body-parts)

## ADULT STEM CELL VERSATILITY

- “Research at Marshall University may lead to new treatments for Parkinson’s disease and other neurological disorders,” *Marshall University Research Corporation* March 24 2011, [www.marshall.edu/murc/research-at-marshall-university-may-lead-to-new-treatments-for-parkinsons-disease-and-other-neurological-disorders/](http://www.marshall.edu/murc/research-at-marshall-university-may-lead-to-new-treatments-for-parkinsons-disease-and-other-neurological-disorders/)

## STEM CELL SOURCES

- “Transplanting umbilical cord and menstrual blood-derived stem cells offer hope for disorders,” *Physorg.com*, March 7, 2011, [www.physorg.com/news/2011-03-transplanting-umbilical-cord-menstrual-blood-derived.html](http://www.physorg.com/news/2011-03-transplanting-umbilical-cord-menstrual-blood-derived.html)

## BRAIN DAMAGE

- “Stem cells may provide treatment for brain injuries,” *Physorg.com*, March 10, 2011, [www.physorg.com/news/2011-03-stem-cells-treatment-brain-injuries.html](http://www.physorg.com/news/2011-03-stem-cells-treatment-brain-injuries.html)
- “Stemedica treats first patient with ischemic allogeneic mesenchymal stem cells,” *Genetic Engineering & Biotechnology News*, March 24, 2011, [www.genengnews.com/keywordsandtools/print/2/112886740/](http://www.genengnews.com/keywordsandtools/print/2/112886740/)

## HEART

- “Stem cell therapy shrinks enlarged hearts,” *US News and World Report*, March 17, 2011, <http://health.usnews.com/health-news/family-health/heart/articles/2011/03/17/stem-cell-therapy-shrinks-enlarged-hearts>

## IMMUNE SYSTEM

- “Promising new gene therapy for HIV immunity,” *The Philadelphia Inquirer*, March 17, 2011, [http://articles.philly.com/2011-03-03/news/28649605\\_1\\_t-cells-immune-cells-hiv-positive](http://articles.philly.com/2011-03-03/news/28649605_1_t-cells-immune-cells-hiv-positive)

## LUNG

- “Hope stems for man with lung disease,” *Hindustan Times*, March 13, 2011, [www.hindustantimes.com/Story/Page/Print/672813.aspx](http://www.hindustantimes.com/Story/Page/Print/672813.aspx)

## MULTIPLE SCLEROSIS

- “Stem cells may show promise for people with rapidly progressing MS,” *Physorg.com*, March 21, 2011, [www.physorg.com/print219946246.html](http://www.physorg.com/print219946246.html)

## PARKINSON’S

- “Scientists create neurons with symptoms of Parkinson’s disease from patient’s skin cells,” *Stanford School of Medicine*, March 3, 2011, <http://med.stanford.edu/ism/2011/march/parkinsons.html>

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April 2011

## STEM CELL SOURCES

- “University of Pittsburgh researches study new ways to help those with facial injuries,” *WNDU-16* (South Bend, Indiana NBC-TV affiliate), April 18, 2011, [www.wndu.com/mmm/headlines/University\\_of\\_Pittsburgh\\_researches\\_study\\_new\\_ways\\_to\\_help\\_those\\_with\\_facial\\_injuries\\_120115994.html](http://www.wndu.com/mmm/headlines/University_of_Pittsburgh_researches_study_new_ways_to_help_those_with_facial_injuries_120115994.html)

## CORD BLOOD

- “The use of human umbilical cord blood for wound healing, burns, and brain injury in combat zones,” *Military Medicine*, April 1, 2011, [http://findarticles.com/p/articles/mi\\_qa3912/is\\_201104/ai\\_n57428801/?tag=content;coll](http://findarticles.com/p/articles/mi_qa3912/is_201104/ai_n57428801/?tag=content;coll)

## BONE/ CARTILAGE

- “First partial transplant of a bioengineered larynx,” *New Scientist*, April 29, 2011, [www.newscientist.com/article/mg21028105.200-first-partial-transplant-of-a-bioengineered-larynx.html](http://www.newscientist.com/article/mg21028105.200-first-partial-transplant-of-a-bioengineered-larynx.html)
- “Penn scientists develop a new way to re-grow cartilage,” *Penn Current* (University of Pennsylvania), April 21, 2011, [www.upenn.edu/pennnews/current/2011-04-21/research/penn-scientists-develop-new-way-re-grow-cartilage](http://www.upenn.edu/pennnews/current/2011-04-21/research/penn-scientists-develop-new-way-re-grow-cartilage)

## BRAIN DAMAGE

- “Brain bypass surgery sparks restoration of lost brain tissue,” *Science Daily*, April 24, 2011, [www.sciencedaily.com/releases/2011/04/110418093854.htm](http://www.sciencedaily.com/releases/2011/04/110418093854.htm)

## CANCER

- “Scientists identify a surprising new source of cancer stem cells,” *Whitehead Institute for Biomedical Research*, April 11, 2011, [www.wi.mit.edu/news/archives/2011/rw\\_0411.html](http://www.wi.mit.edu/news/archives/2011/rw_0411.html)

## HEART

- “Live human heart grown in lab using stem cells in potential transplant breakthrough,” *The Daily Mail* (London), April 4, 2011, [www.dailymail.co.uk/health/article-1372938/Live-human-heart-grown-lab-using-stem-cells-potential-transplant-breakthrough.html](http://www.dailymail.co.uk/health/article-1372938/Live-human-heart-grown-lab-using-stem-cells-potential-transplant-breakthrough.html)

## IMMUNE SYSTEM

- “New gene therapy technique on iPS cells holds promise in treating immune system disease,” *Science Daily*, April 28, 2011, [www.sciencedaily.com/releases/2011/04/110428112549.htm](http://www.sciencedaily.com/releases/2011/04/110428112549.htm)

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Articles compiled by:  
Richard M. Doerflinger  
Associate Director of Pro-Life Activities  
U.S. Conference of Catholic Bishops  
3211 Fourth Street NE  
Washington D.C. 20017  
202-541-3070  
fax 202-541-3054