

Cell Therapy for Chronic Stroke

Researchers at the University of South Florida have discovered a treatment for chronic stroke using a variety of cell therapies.

Stroke is a disease which adversely affects approximately 800,000 Americans every year. It is described as the third leading cause of death in America (200,000 per year) and the leading cause of disability, with up to \$53.6 billion/year in direct and indirect costs to society. Symptoms include numbness in the limbs, weakness in facial muscles, slurred speech, loss of gait and balance, dizziness and severe headache.

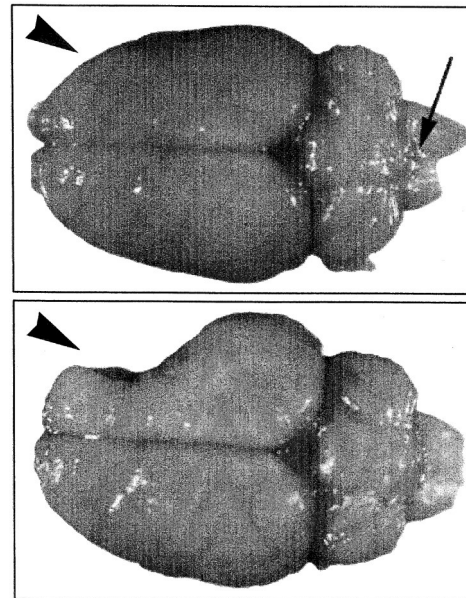
There is only one FDA approved drug for stroke (tPA) but the therapy is effective only if used within 3-6 hours of the onset of stroke. Due to contraindications and issues of timing, only 3% of stroke victims are treated with tPA. USF researchers developed a new post-stroke cell therapy protocol with proven clinical efficacy.

It is expected that this therapy will be used clinically to expand the therapeutic window for stroke treatment thereby increasing patient access to treatment.

ADVANTAGES:

- Strong patent portfolio
- Proven clinical efficacy
- Multiple cell types included

Effective therapy for stroke



*Rats were subjected to middle cerebral artery occlusion.
Top— Cell therapy treated rat. Bottom— Saline treated rat*