

REGENERATIVE AND STEM CELL MODELS

Stem cell therapy is an emerging field in regenerative medicine. Current advancement in stem cell technology enables the growth and manipulation of the cells into a specialized function with characteristics that are on par with cells of various tissues, including nerve cells. This promising technology can help treat a wide range of human diseases, thus potentially reducing pain and embettering the lifestyle of people currently suffering from chronic or terminal conditions.

PharmaSeed's services include proof of concept of stem cell technology in animal models, and a battery of complementary services for the testing of stem cells effectiveness on oncology and neurodegenerative diseases.

Pharmaseed provides a comprehensive array of translational research and development services, from early-stage R&D to first-in-man. Our state-of-the-art GLP-accredited laboratories and animal facility are well equipped to address the acute and chronic evaluation of stem cell technology and relevant applications.

With more than 200 years of accumulated experience in academic and applied scientific research, Pharmaseed is your preferred choice of R&D partner.

STEM CELL EXPERIMENTAL PRECLINICAL MODELS

- **ANGIOGENESIS**
 - HIND-LIMB ISCHEMIA
 - CORNEAL POCKET MODELS
 - CARDIOVASCULAR MODEL
- **INFLAMMATION**
 - OSTEOARTHRITIS MODEL
 - MULTIPLE SCLEROSIS MODEL
- **NEUROPATHIC PAIN**
 - SPINAL NERVE INJURY (CHUNG MODEL)
- **CNS**
 - SCHIZOPHRENIA MODEL
 - STROKE MODEL
 - PARKINSON'S DISEASE MODELS (6-OHDA, MPTP)

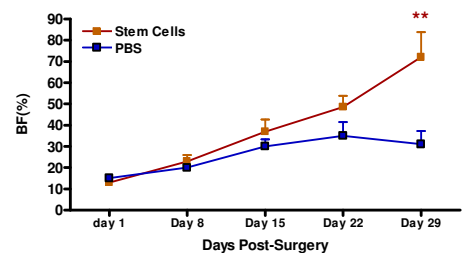


Figure: Changes in limb blood flow [BF%] following stem cells implantation in a murine model of hind limb ischemia.

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