

Treatment impacts of new cloning milestone

DNA extracted from the skin of a 35 and 75 year-old male has been injected into four denucleated human eggs to produce clones of the skin donors. The stem cells extracted from these embryos matches their male donors. The company involved, Advanced Cell Technology, located in Marlborough, Massachusetts, is in the business of regenerative medicine focused on replacing malfunctioning or damaged cells with healthy ones.

Many diseases we humans experience are caused by malfunctioning cells. Stem cell research focuses on replacing those malfunctioning cells with healthy ones conceived from the patients themselves. In this case somatic cells, those derived from the skin of two adult male donors, were injected using a process known as somatic cell nuclear transfer (SCNT). The result, the generation of donor-specific pluripotent stem cells that can be differentiated into different tissue types for use in treating a number of diseases.

Read the full, original story: [Skin Cells Soon Will Treat Alzheimer's and Parkinson's Patients](#)