

Table S1 Inclusion and exclusion criteria for donation

Inclusion criteria	Exclusion criteria
Age >18 years <70 years ⁺	History of viral disease
Time of death <24 h at processing ⁺	<p>Presence or suspicion of degenerative neurological diseases of possible infectious origin</p> <p>Active and uncontrolled infection at the time of donation; includes systemic bacterial, viral, parasitic or fungal infection, or localized infection in the tissues to be used</p> <p>Presence or history of malignant disease, except histologically proven primary basal cell carcinoma, non-metastatic primary brain tumor, carcinoma in situ of the uterine cervix that has been cured for more than 10 years</p> <p>History of systemic autoimmune disease, or any immunosuppressive treatment</p> <p>Ingestion or exposure to any toxic</p> <p>Use of pituitary growth hormone of human origin</p> <p>History of dura mater, cornea or sclera transplantation</p> <p>Unknown cause of death. Except when an autopsy can be performed and shows that there is no reason for exclusion</p> <p>History of a disease of unknown etiology</p> <p>Presence of risk factors for disease transmission, taking into account travel history and local prevalence of infectious diseases</p> <p>Xenotransplantation recipients</p> <p>Recent history of vaccination with a live attenuated virus where a risk of transmission is considered to exist</p> <p>Indications that test results of donor blood samples will be invalid because of hemodilution, according to validated specifications where a pretransfusion sample is not available or treatment with immunosuppressive agents</p> <p>Presence of social behavioral factors considered risk determinants for HIV, HBV and HCV</p>

⁺, criteria for the purpose of this research. HIV, human immunodeficiency virus; HBV, hepatitis B virus; HCV, hepatitis C virus.

Table S2 Antibodies used for MSC immunophenotyping

Target	Isotype	Fluorochrome	Clone number	Purpose
CD90	IgG1 κ	FITC	5E10	Positive marker
CD105	IgG1 κ	PerCP-Cy5.5	266	Positive marker
CD73	IgG1 κ	APC	AD2	Positive marker
CD34	IgG2a κ	PE	581	Exclusion marker
CD11b	IgG2a κ	PE	ICRF44	Exclusion marker
CD19	IgG2a κ	PE	HIB19	Exclusion marker
CD45	IgG2a κ	PE	HI30	Exclusion marker
HLA-DR	IgG2a κ	PE	G46-6	Exclusion marker

All the antibodies were supplied in the Stemflow hMSC Analysis Kit (Becton Dickinson Pharmingen, USA). MSC, mesenchymal stromal cell; HLA, human leukocyte antigen; HLA-DR, isotype of HLA class II; hMSC, human mesenchymal stromal cells.