

Supplementary Table S1. List of clinical trials and their websites (accessed on 15 November 2022).

No. in Table 2	Project Title (Registration ID)	URL
Projects with human somatic stem cells		
1-1	Healing acceleration of repaired meniscus by synovial stem cells "Clinical study to assess the safety and efficacy of transplantation of autologous synovial mesenchymal stem cells in patients with knee meniscal tear" (UMIN000011881)	https://center6.umin.ac.jp/cgi-open-bin/ctr_e/ctr_view.cgi?recptno=R000013889
1-2	Enhancement of healing for extruded injured meniscus by transplantation of synovial stem cells after meniscus surgery (UMIN000017890)	https://center6.umin.ac.jp/cgi-open-bin/ctr_e/ctr_view.cgi?recptno=R000020728
1-3	Investigator initiated clinical trial of autologous synovial stem cells for meniscus lesions (UMIN000026383)	https://center6.umin.ac.jp/cgi-open-bin/ctr_e/ctr_view.cgi?recptno=R000030110
1-4	Intraarticular injections of synovial stem cells for osteoarthritis of the knee (UMIN000026732)	https://center6.umin.ac.jp/cgi-open-bin/ctr_e/ctr_view.cgi?recptno=R000029967
2-1	Clinical application of corneal endothelial regenerative medicine by means of cultured human corneal endothelial cell transplantation (UMIN000012534)	https://center6.umin.ac.jp/cgi-open-bin/ctr_e/ctr_view.cgi?recptno=R000014592
2-2	Investigator initiated trial of cultivated human corneal endothelial cell injection (UMIN000028324)	https://center6.umin.ac.jp/cgi-open-bin/ctr_e/ctr_view.cgi?recptno=R000032417
2-3	Investigator initiated confirmatory trial of cultivated human corneal endothelial cell injection (UMIN000034334)	https://center6.umin.ac.jp/cgi-open-bin/ctr_e/ctr_view.cgi?recptno=R000039139
2-4	Clinical application of corneal endothelial regenerative medicine by means of cultured human corneal endothelial cell transplantation: long-term follow up (UMIN000036422)	https://center6.umin.ac.jp/cgi-open-bin/ctr_e/ctr_view.cgi?recptno=R000041501
3-1	Safety study of a less invasive liver regeneration therapy using cultured autologous bone marrow-derived mesenchymal stem cells for decompensated liver cirrhotic patient (UMIN000016686)	https://center6.umin.ac.jp/cgi-open-bin/ctr_e/ctr_view.cgi?recptno=R000019363
3-2	Study on the safety of hepatic arterial infusion of cultured autologous bone marrow cells in patients with decompensated liver cirrhosis (UMIN000035528)	https://center6.umin.ac.jp/cgi-open-bin/ctr_e/ctr_view.cgi?recptno=R000040478
3-3	An open-label, uncontrolled study to evaluate the efficacy and safety of autologous bone marrow mesenchymal stem cells (LS-ABMSC1) in patients with decompensated liver cirrhosis (Phase I/II study) (UMIN000041461)	https://center6.umin.ac.jp/cgi-open-bin/ctr_e/ctr_view.cgi?recptno=R000047329
4	Investigator-initiated clinical trial to evaluate the safety and efficacy of AX-1911, magnetic field generator for magnetic targeting, in knee osteoarthritis (jRCT2062210039)	https://jrct.niph.go.jp/en-latest-detail/jRCT2062210039
5	Mucosal regeneration therapy by autologous intestinal stem cell transplantation to inflammatory bowel disease patients (UMIN000030117)	https://center6.umin.ac.jp/cgi-open-bin/ctr_e/ctr_view.cgi?recptno=R000033766

Projects with human iPSC or ES cells

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| 6-1 | A study of transplantation of autologous induced pluripotent stem cell (iPSC) derived retinal pigment epithelium (RPE) cell sheet in subjects with exudative age related macular degeneration (UMIN000011929) | https://center6.umin.ac.jp/cgi-open-bin/ctr_e/ctr_view.cgi?recptno=R000013279 |
| 6-2 | A study of transplantation of allogenic induced pluripotent stem cell (iPSC) derived retinal pigment epithelium (RPE) cell suspension in subjects with neovascular age related macular degeneration (UMIN000026003) | https://center6.umin.ac.jp/cgi-open-bin/ctr_e/ctr_view.cgi?recptno=R000029894 |
| 7 | First-in-human clinical research of iPSC derived corneal epithelial cell sheet transplantation for patients with limbal stem-cell deficiency (UMIN000036539) | https://center6.umin.ac.jp/cgi-open-bin/ctr_e/ctr_view.cgi?recptno=R000041628 |
| 8 | A prospective observational study of induced pluripotent stem cell-derived cardiac spheres transplantation EXTENDED Follow-up (UMIN000047335) | https://center6.umin.ac.jp/cgi-open-bin/ctr_e/ctr_view.cgi?recptno=R000053954 |
| 9 | Kyoto trial to evaluate the safety and efficacy of iPSC-derived dopaminergic progenitors in the treatment of Parkinson's disease (UMIN000033564) | https://center6.umin.ac.jp/cgi-open-bin/ctr_e/ctr_view.cgi?recptno=R000038278 |
| 10 | Clinical study of HAES transplantation in patients with neonatal onset urea cycle disorder (JMA-IIA00412) | https://dbcentre3.jmacct.med.or.jp/jmacctr/default.aspx?JMACCTID=JMA-IIA00412 |
| 11 | Clinical study of autologous transfusion of iPSC cell-derived platelets for thrombocytopenia (iPLAT1) (jRCTa050190117) | https://jrct.niph.go.jp/en-latest-detail/jRCTa050190117 |
| 12 | Regenerative medicine for spinal cord injury at subacute stage using human induced pluripotent stem cell-derived neural stem/progenitor cells (UMIN000035074) | https://center6.umin.ac.jp/cgi-open-bin/ctr_e/ctr_view.cgi?recptno=R000039960 |
| 14-1 | Clinical trial of human (allogeneic) iPSC cell-derived cardiomyocytes sheet for ischemic cardiomyopathy (jRCT2053190081) | https://jrct.niph.go.jp/en-latest-detail/jRCT2053190081 |
| 14-2 | Clinical trial of human (allogeneic) iPSC cell-derived cardiomyocytes sheet for ischemic cardiomyopathy (Follow-up trial) (jRCT2053220055) | https://jrct.niph.go.jp/en-latest-detail/jRCT2053220055 |
| 16 | A Phase I study of iPSC-NKT cell intra-arterial infusion therapy in patients with recurrent or advanced head and neck cancer (First in human study) (jRCT2033200116) | https://jrct.niph.go.jp/en-latest-detail/jRCT2033200116 |
| 17 | A clinical study for treatment of articular cartilage damage in knee joints with allogeneic induced pluripotent stem (iPS) cell-derived cartilage (TACK-iPS) (jRCTa050190104) | https://jrct.niph.go.jp/en-latest-detail/jRCTa050190104 |
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