

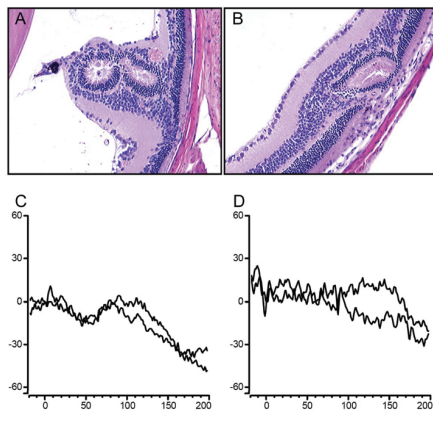
Supplemental Data

Long-term Safety and Efficacy of Human-Induced Pluripotent Stem Cell (iPS) Grafts in a Preclinical Model of Retinitis Pigmentosa

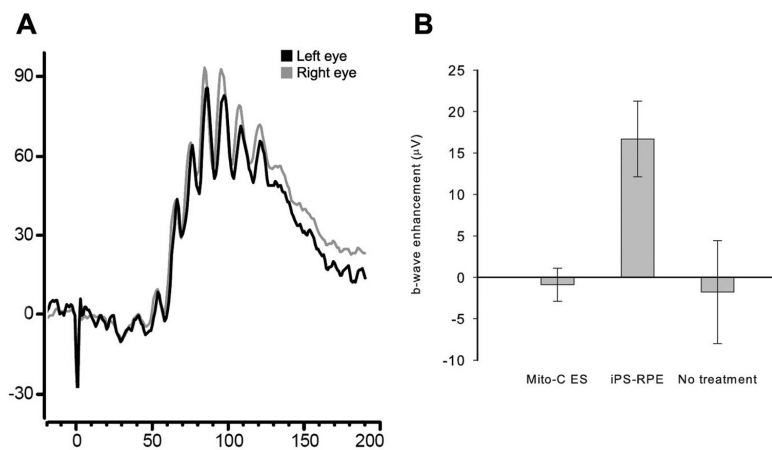
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Supplementary Figure S1. (A) Maximum ERG responses of an untreated right and an untreated left eye in a *Rpe65^{rd12}/Rpe65^{rd12}* mouse at three weeks of age. The average standard deviation of b-wave peaks between right and left eyes was less than 5% of the mean (n = 3). (B) Right/left eye differences (b-wave enhancement) measured from mitomycin-ES and iPS-RPE treatments, compared to untreated eyes (no treatment). No significant differences between right and left eyes of untreated *Rpe65^{rd12}/Rpe65^{rd12}* mice were detected ($p = 0.8009$, n = 3). iPS-RPE treated eyes show a 13.7 microvolt difference ($p = 0.0246$, n = 7). Mice receiving mitomycin-C treated ES cells (mito-C ES) fail to show statistically significant differences ($p = 0.2853$, n = 6). The values shown are the means \pm SEM and the p values t tests.



Supplementary Figure S2. (A, B). Two injected eyes with evidence of surgical trauma. (C, D) Examples of maximum ERG responses for treated (black trace) and untreated (grey trace) eyes. Panel D shows an instance of suspected surgical trauma in the treated eye.