

Controlled release of rAAV vectors from APMA-functionalized contact lenses for corneal gene therapy

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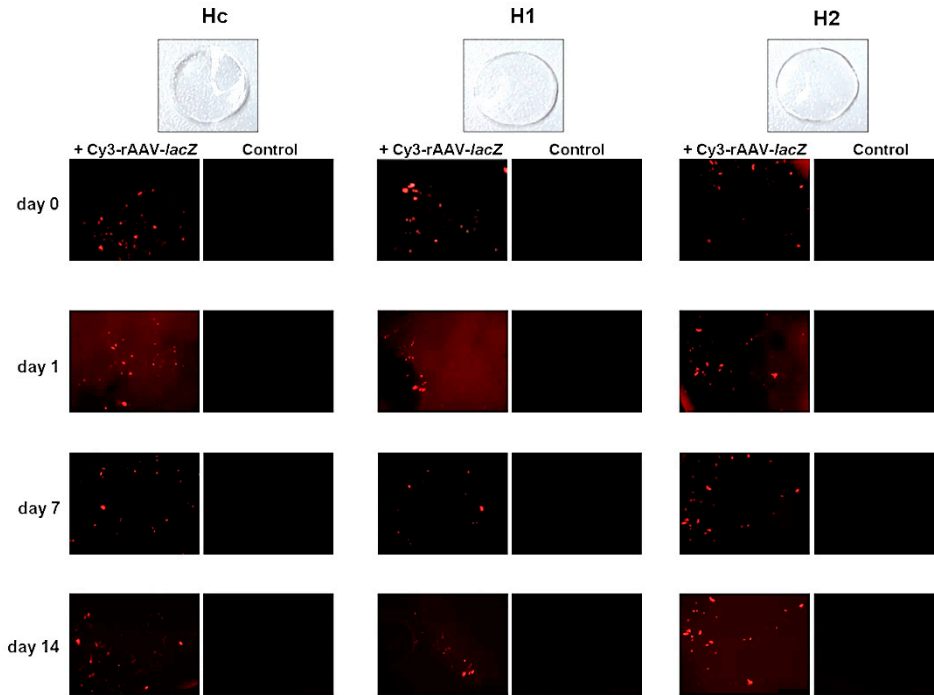


Figure S1: Fluorescence pictures of Cy3-rAAV-*lacZ*-loaded hydrogels (day 0) and hydrogels after 1, 7, and 14 days of release where controls are non-laden discs. Hydrogels appearance (10 mm in diameter) on the top of the figure.

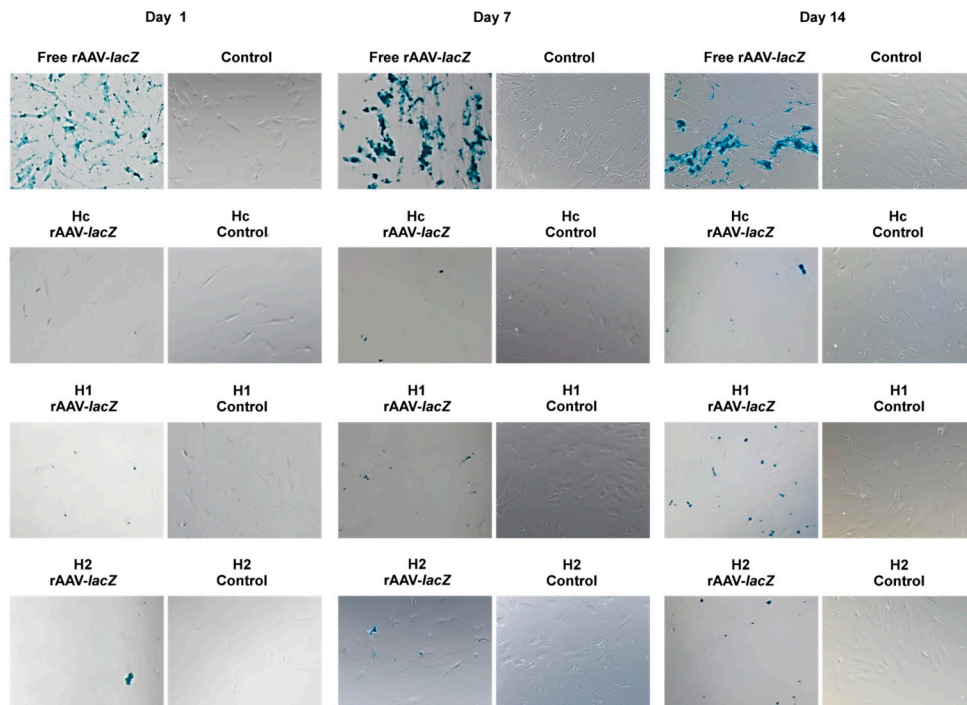


Figure S2: Pictures from X-Gal staining of hMSCs monolayer (x10 magnification) after 1, 7, and 14 days in direct contact with hydrogels, control medium (sucrose 10%), and free rAAV-*lacZ*.

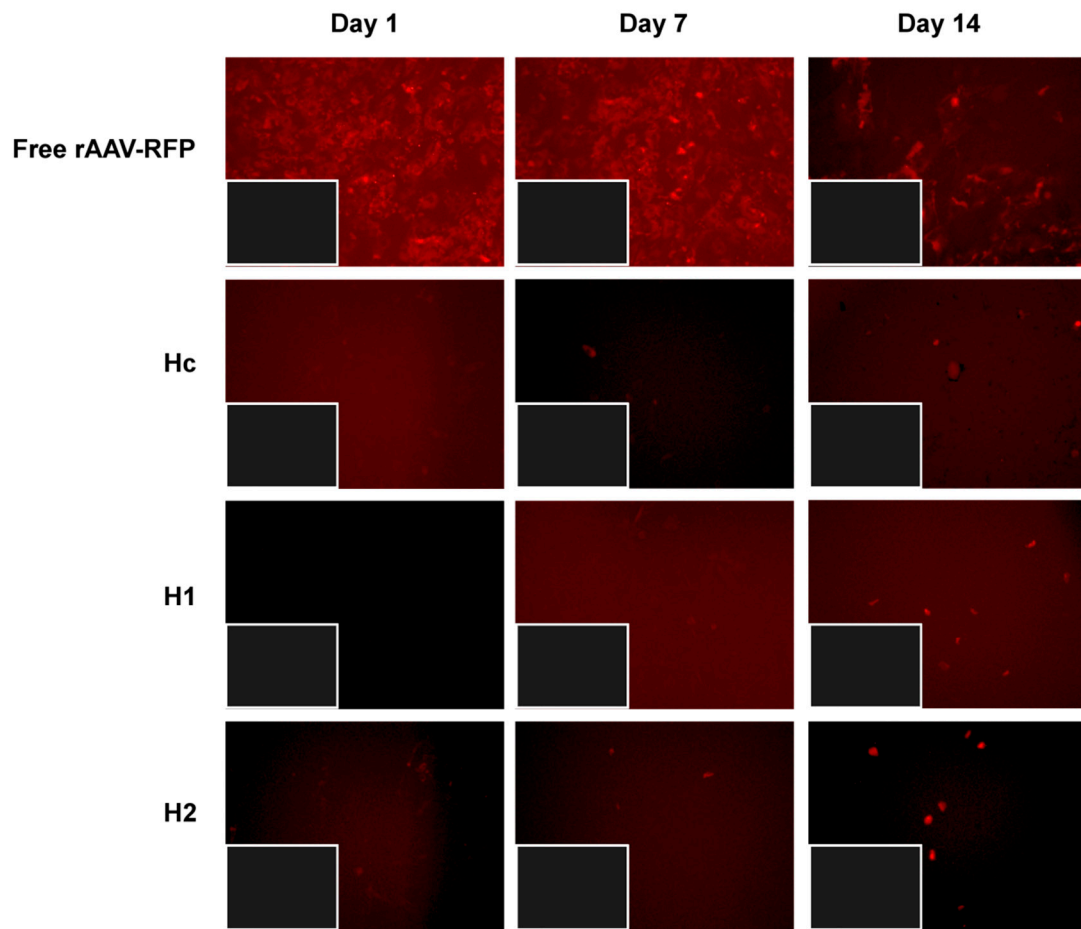


Figure S3: Fluorescence images of RFP ($\times 10$ magnification) after 1, 7, and 14 days after direct contact of hMSCs with hydrogels and free rAAV-RFP. Small squares on bottom left represent negative control (sucrose 10% or Hc, H₁, and H₂ without rAAV-RFP) of each sample.

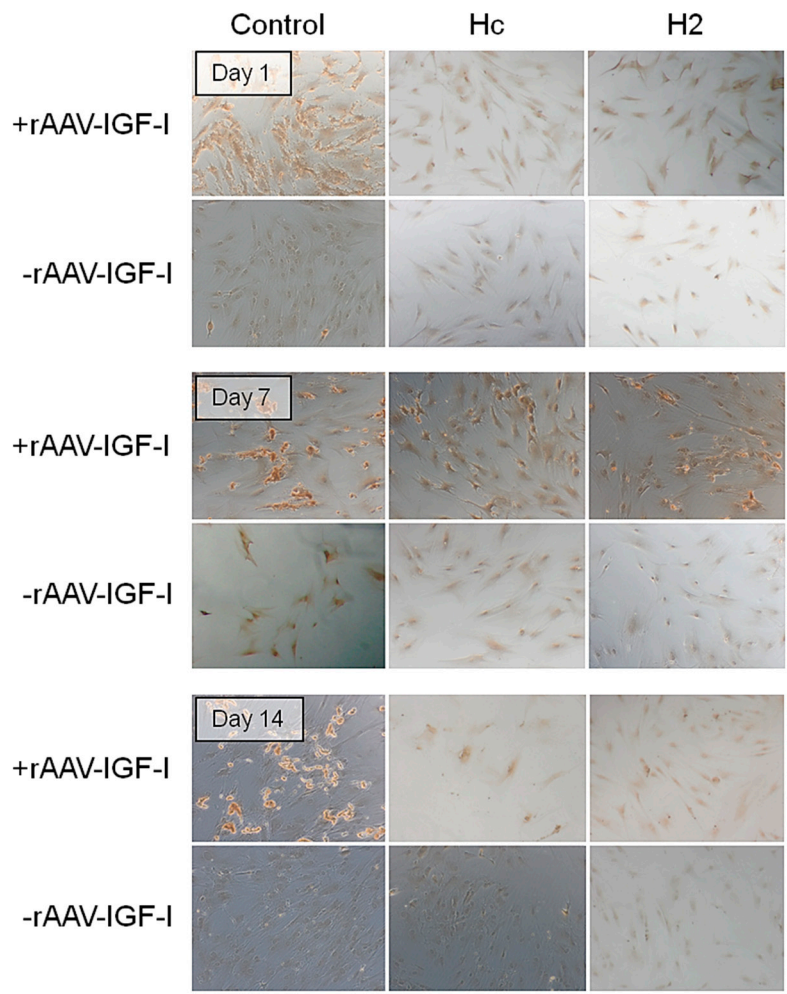


Figure S4: Pictures of immunohistochemical staining of hMSCs monolayer after 1, 7, and 14 days with Hc and H₂ hydrogels with and without rAAV-hIGF-I. Free rAAV-hIGF-I was used as positive control, and sucrose 10% as negative control.