

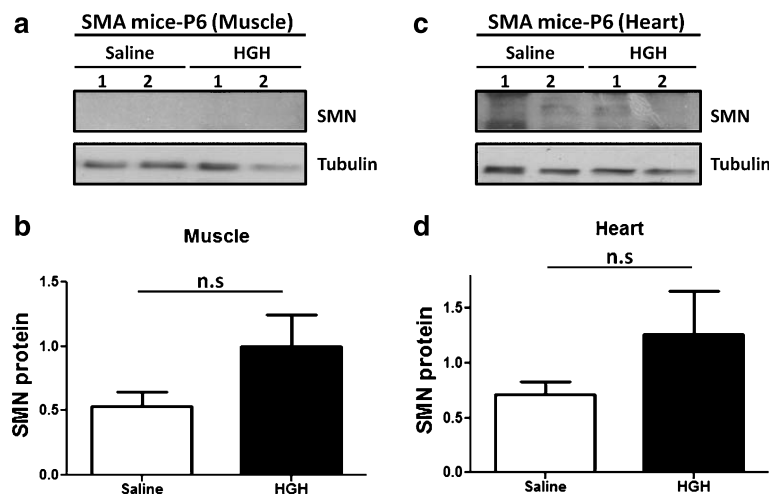
Research Report

Human Growth Hormone Increases *SMN* Expression and Survival in Severe Spinal Muscular Atrophy Mouse Model

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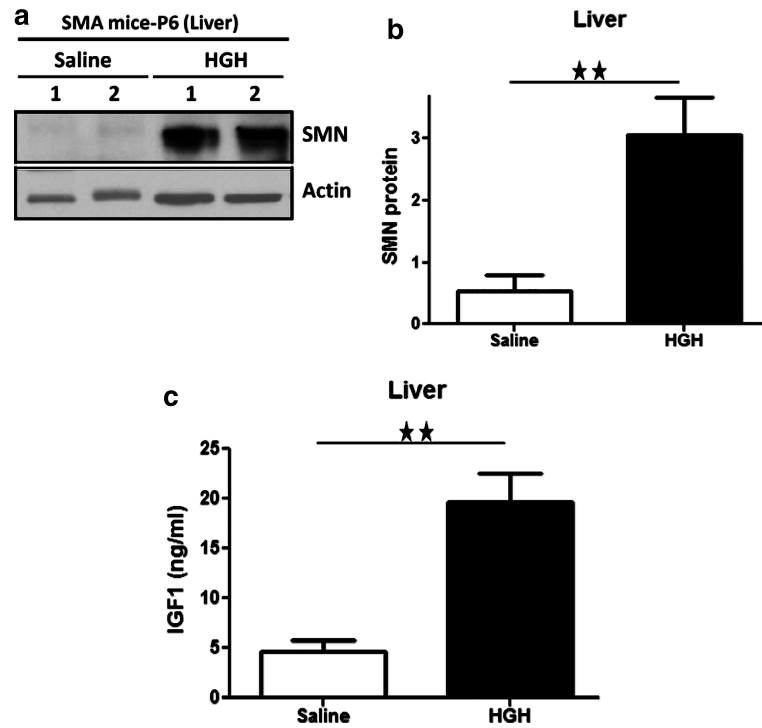
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Supplementary Figure 1. (a) Representative Western blots showing SMN protein in skeletal muscle samples of *SMN* Δ 7 mice treated with saline (control, lane 1 & 2) or HGH (treatment lane 1 & 2) (each lane represents individual animal; all lanes were run on the same gel but were non-contiguous). (b) Densitometric quantification of SMN relative to Actin [mean + SEM (bars)] is shown for skeletal muscle samples ($n=8$ for Saline and $n=10$ for HGH treatment). (c) Representative Western blots showing SMN protein in heart samples of *SMN* Δ 7 mice treated with saline (control, lane 1 & 2) or HGH (treatment lane 1 & 2; each lane represents an individual animal; all lanes were run on the same gel but were non-contiguous). (d) Densitometric quantification of SMN relative to Tubulin [mean + SEM (bars)] is shown for heart samples ($n=10$ for saline and $n=8$ for HGH treatment). n.s. = not significant. * $P < 0.05$; ** $P < 0.01$; t -test.

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Supplementary Figure 2. (a) Representative Western blots showing SMN protein in liver samples of SMN Δ 7 mice treated with saline (control, lane 1 & 2) or HGH (treatment lane 1 & 2) (each lane represents individual animal). (b) Densitometric quantification of SMN relative to Actin [mean + SEM (bars)] is shown for liver samples ($n=5$ for Saline and $n=5$ for HGH treatment). (c) IGF1 liver levels in SMN Δ 7 mice treated with saline or HGH ($n=5$ for each treatment group) as measured by ELISA. $**P < 0.01$; t -test.