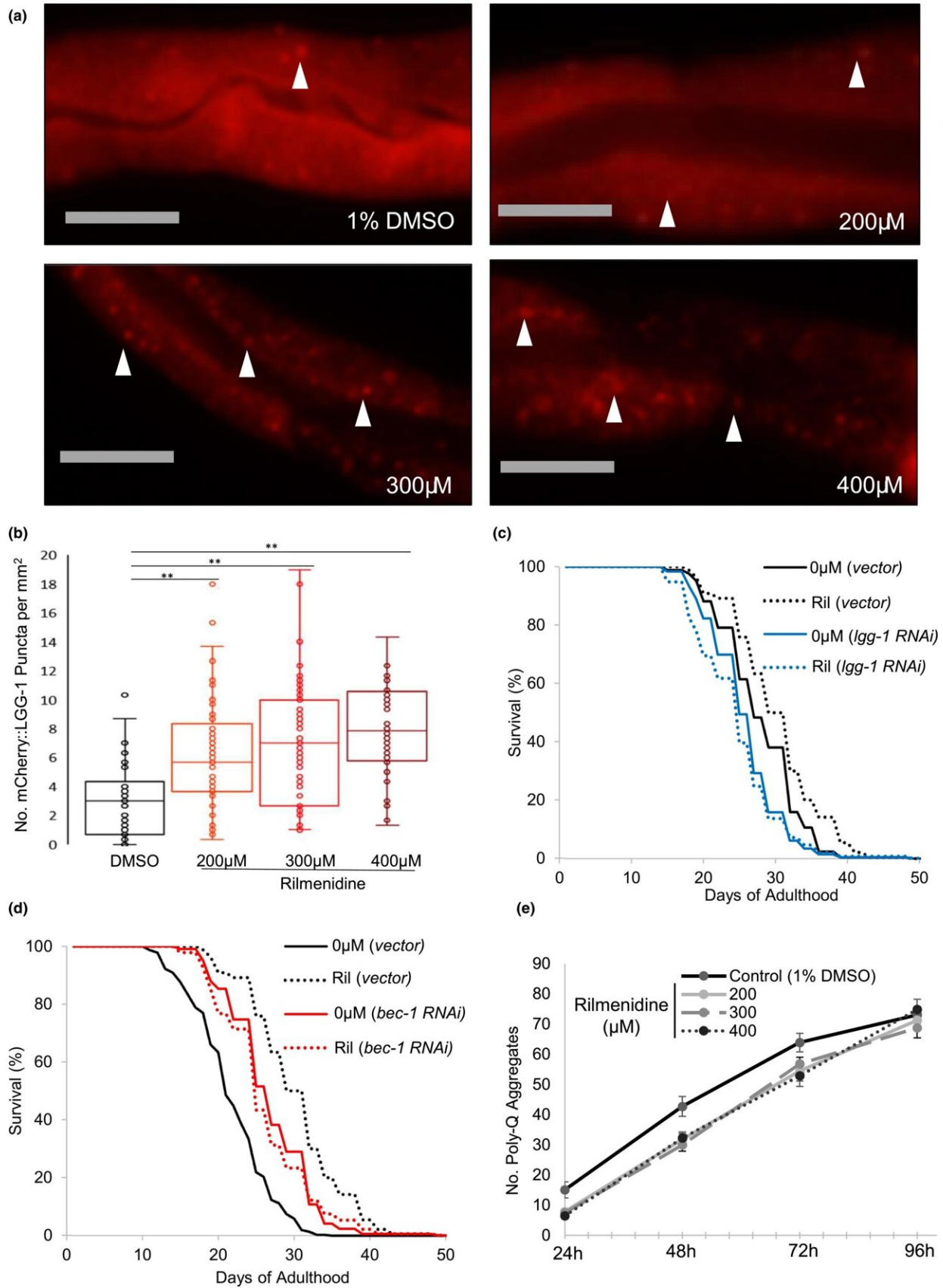


Hypertension drug could be repurposed to delay aging, study finds

January 23 2023



Induced autophagy by rilmenidine perturbed polyQ aggregation. (a) Representative images of day 2 adult transgenic animals, expressing the intestinal specific autophagy reporter gene *Pnfx-2::mCherry::lgg-1* showing increased autophagy, when exposed to varying concentrations of rilmenidine for 24 h compared to 1% DMSO vehicle. Arrows indicate autophagosome puncta formation. Scale bar = 20 μm . (b) The graph shows the interquartile distribution of the mean number of mCherry::LGG-1 puncta in the posterior intestine of the animals in each condition. Error bars, upper: $Q3 + 1.5 \times \text{IQR}$; minimum: $Q1 - 1.5 \times \text{IQR}$. $**p$

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