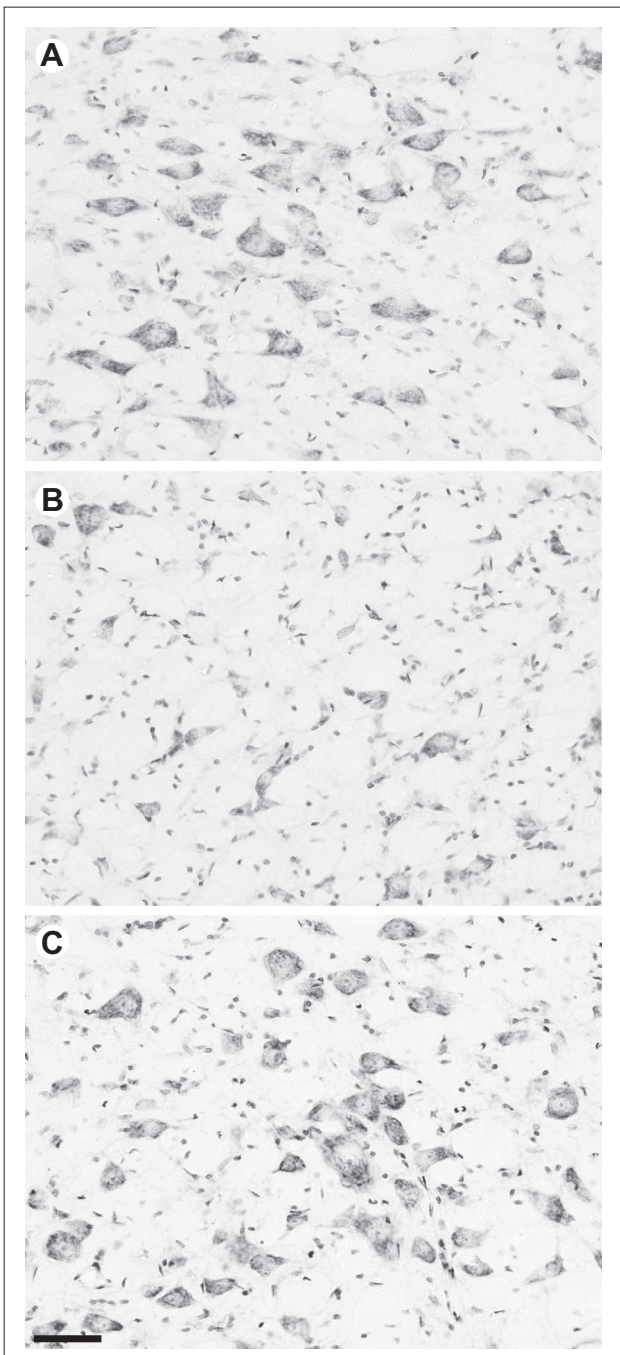


**Additional data file 4**



**Additional figure 4**

GDA's suppress atrophy of axotomized red-nucleus neurons.

**(a,b)** Bright-field image showing cresyl violet stained neurons in the (a) uninjured right side and (b) injured left side red nuclei in a control, lesion + cyclosporine rat at 5 weeks after injury. Note in (b) that 48% of cresyl violet-stained neurons in the injured left hemisphere red nucleus undergo atrophy of their cell bodies. Images in (a,b) were obtained from right and left nuclei within the same 25  $\mu\text{m}$  coronal tissue section. **(c)** GDA transplantation to the spinal cord rescues 65% of neurons that would normally undergo atrophy in the injured left side red nucleus. The image in (c) was obtained from the same rostro-caudal region of the red nucleus as the images shown in (a,b). The scale bar represents 100  $\mu\text{m}$ .