

**Probabilistic Assessment of Nerve Regeneration with Diffusion MRI in Rat
Models of Peripheral Nerve Trauma**

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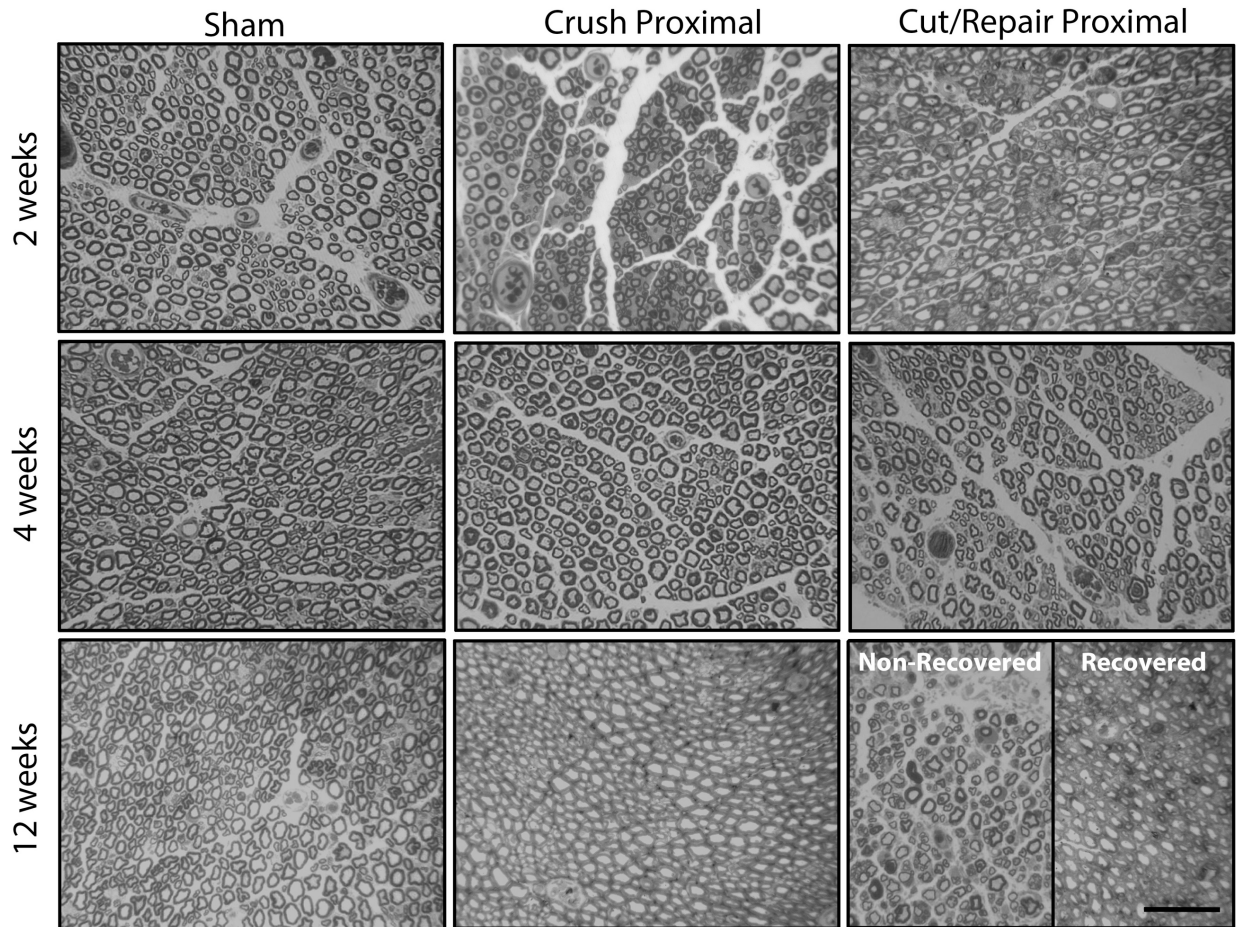


Figure S1: Representative proximal toluidine blue stained sections at 2 (top panel), 4 (middle panel) and 12 weeks (bottom panel) after each injury type. In the sham groups (left column), there was little difference between the three times, except for some evidence of extra-cellular edema at 2 weeks. Note the absence of nerve degeneration in the other cohorts, including cut/repair nerves that showed little (“non-recovered” panel) and partial recovery (“recovered” panel). Together with the distal histology in Figure 8, which showed evidence of nerve degeneration, these findings suggest that we are detecting axonal sprouting with our DTI measures. The scale bar in the bottom-right panel represents 50 μm .