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over illustration: Morphometric analysis of optic axons from wild type and shiverer mice indicates that compact myelin has profound effects on axonal architecture in the central nervous system. Not only do the unmyelinated shiverer axons (upper panel) have a smaller cross sectional area, but their microtubules and neurofilaments differ in both organization and composition from wild type (lower panel). Note in this example the increased density of microtubules in the shiverer axon relative to the wild type myelinated axon. Courtesy of Kirkpatrick, Payne, Witt, and Brady.



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