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BIOPSY REPORT

RE: Peripheral nerve profile on Case # 122119-08 ("Antonia" Simon)

A fixed biopsy from the right common peroneal nerve was plastic embedded and evaluated in 1 μ m sections. The overall density of myelinated fibers was subjectively appropriate. Collagen bundles consistent with resolving endoneurial and subperineurial edema were evident without active axonal degeneration or myelin ovoids. Rare nerve fibers showed myelin splitting.

CONCLUSION: Other than the resolving endoneurial and subperineurial edema, and rare fibers showing myelin splitting, no other specific abnormalities were identified within the peroneal nerve biopsy. While these changes could be consistent with early or mild polyneuropathy, they are not typical of the nerve fiber loss and axonal degeneration found in Leonberger dogs with the inherited form. How long have clinical signs been present? Has hypothyroidism been ruled out?



G. Diane Shelton DVM, PhD
Professor, Department of Pathology

...die Nervenfasern zeigten selten Myelin Splitting, andere spezifische Abnormalitäten wurden nicht festgestellt. Die Veränderungen könnten im Einklang mit einer frühzeitigen oder milden Polyneuropathie stehen, sie sind aber nicht typisch für die Nerven-Faser-Verluste und die axonale Degeneration, wie sie bei der erblichen Form von Polyneuropathie beim Leonberger auftreten.