

## Unusual Foot Drop

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### INTRODUCTION

Peroneal neuropathy is the most common compressive neuropathy of the lower extremities but is rarely caused by a ganglion. Although ganglionic cysts occur frequently, they rarely cause serious complications<sup>1</sup>. Here, we present an extraneural ganglion cyst as a rare cause of foot drop secondary to peroneal nerve compression.

### REPORT:

A 65-year-old housewife presented with a three-day history of right foot drop with a concomitant swelling over the right proximal leg lateral aspect, which prior to this did not cause her any complaints. She denied any preceding trauma nor exhibited any constitutional symptoms. Local examination revealed a cystic mass at the level of right fibula head. There was weakness in ankle dorsiflexion, great toe extension and foot eversion. Magnetic Resonance Imaging (MRI) revealed a multiloculated cystic lesion measuring approximately 2.2x1.8x3.6cm adjacent to the right biceps femoris tendon at the level of proximal tibiofibular joint which was compressing the common peroneal nerve. Intraoperatively, the nerve was found overlying the ganglion cyst and appeared atrophic. The cyst was excised in entirety after careful isolation and protection of the nerve.

### CONCLUSION:

Peripheral neuropathy owing to ganglion is rare, which can either be extraneural or intraneural. Extraneural cyst is the rarer variety and is often related to knee injury<sup>2</sup>. It can be challenging to differentiate ganglion cysts from nerve tumors. They can be demonstrated on MRI with characteristics of homogenous high signal on T2-weighted images. Ganglion cysts can be successfully treated with cyst removal.

### REFERENCES:

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2. Singh, S., Singh, R., Tanwar, M., & Kaur, K. (2020). Giant Ganglion Cyst of the Proximal Tibiofibular Joint with Peroneal Nerve Palsy: A Case Report. *Journal of Orthopaedic Case Reports*. <https://doi.org/10.13107/jocr.2020.v10.i02.1672>



**Figure 1:** Common peroneal nerve overlying the ganglion cyst



**Figure 2:** Excised ganglion cyst