ABSTRACT

High resolution and high field Magnetic Resonance Neurography is shown to have excellent anatomic capability. There have been considerable advances in the technology in recent years leading to various feasibility studies using different structural and functional imaging approaches in both clinical and research settings. This talk will discuss high resolution 3 Tesla MR Neurography techniques, outline the normal and abnormal imaging appearances of the peripheral nerves, discuss the accuracy of the technique in the smaller and larger peripheral nerves and its clinical impact with relevant surgical correlations. Finally, future directions including functional imaging and whole body MR Neurography will be discussed.

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