

Lumbosacral plexus has a complex anatomy with a number of nerve convergences and divergences resulting in formation of multiple essential peripheral nerves that provide motor and sensory function to the pelvis and lower extremities. Due to deep location and complexity, MR neurography (MRN) plays a major role in evaluation of its normalcy and pathologic states. This talk will discuss current state of the art techniques available for LS plexus evaluation and show normal and abnormal imaging appearances of various common and uncommon pathologic states involving LS plexus and its branch nerves.

The target audience includes: radiologists, postdocs, technologists, neurologists, neurosurgeons and peripheral nerve surgeons

Following this talk, the learners will be able to:

- 1 Employ new techniques for LS plexus evaluation.
- 2 Understand the difference between normal and abnormal imaging appearances of peripheral nerves.
- 3 Discuss the differential diagnosis of various LS plexus pathologies based on available clinical history and imaging findings.
- 4 Learn how to incorporate the modality in the diagnostic algorithm of plexopathies and related peripheral neuropathies in a multi-disciplinary fashion.