

[J Neurosci Nurs](#). 2000 Feb;32(1):49-53, 60.

The pathophysiology of demyelination and the ionic basis of nerve conduction in multiple sclerosis: an overview.

[Boyden KM](#).

School of Nursing, University of Virginia, Charlottesville 22901, USA.

Abstract

Multiple sclerosis (MS) affects young adults during the prime of life, complicating child-rearing and work-related activities, often resulting in significant disability. New treatment options are rapidly becoming available. Persons with MS and their families rely on nurses to provide current and accurate information. Neuroscience nurses are increasingly challenged to keep abreast of new treatments and research and the scientific bases for them. In response to this need, nurses must develop a basic understanding of the proposed etiology of MS as well as of the pathophysiology of demyelination and the ionic basis of nerve conduction.