

1995

1994-1996

Three [neuromodulation](#) therapies, all using implanted [device](#) and [electrodes](#), have been approved to treat adults with drug-resistant [focal epilepsy](#), namely, the [vagus nerve stimulation for drug-resistant epilepsy](#). in [1995](#), [deep brain stimulation of the anterior nucleus of the thalamus \(ANT-DBS\)](#) in [2018](#) (2010 in Europe), and [responsive neurostimulation \(RNS\)](#) in [2014](#).

Since [1995](#) there is a remarkable advancement in [endonasal approach](#) by [endoscope](#). Refinements in [camera](#) definition, [neurosurgical instruments](#), [neuronavigation](#), and surgical technique.

The [Cognard classification](#) of [dural arteriovenous fistulas](#) correlates venous drainage patterns with increasingly aggressive neurological clinical course. It was first described in [1995](#) ¹⁾.

Probably the most widely used classification system for [dural arteriovenous malformations](#).

Correlates venous drainage patterns with increasingly aggressive neurological clinical course.

A [pedicle sparing transfacet approach](#) (PSTA) was first described in [1995](#) ²⁾.

In [1995](#), the [Brain Trauma Foundation](#) developed the first [TBI Guidelines](#) with the assistance of a group of international experts in the field. The goal was to offer the latest research on which to build [protocols](#) that would improve the [survival](#) and [outcomes](#) of TBI patients. With the [publication](#) of the Guidelines for the [Management of Severe Head Injury](#), the [benchmark](#) for [evidence-based](#) guidelines in [Neurosurgery](#) and other surgical specialties was set. These Guidelines were updated in [2000](#) under the title Management and Prognosis of Severe Traumatic Brain Injury with the addition of a new section entitled Early Indicators of Prognosis in Severe Traumatic Brain Injury. The [American Association of Neurological Surgeons](#) and the World Health Organization's Committee on Neurotrauma have endorsed each document, joined by the [Congress of Neurological Surgeons](#) and [AANS/CNS Joint Section on Neurotrauma and Critical Care](#).

In [1995](#), a multidisciplinary task force from the [North American Spine Society](#) (NASS) addressed the deficiencies in commonly used terms defining the conditions of the [lumbar disc](#). It cited several documentations of the problem ^{3) 4) 5) 6) 7) 8)}

The nomenclature and classification of [Lumbar disc](#) pathology consensus, published in [2001](#) by the collaborative efforts of the [North American Spine Society](#) (NASS), the American Society of Spine

Radiology (ASSR), and the American Society of Neuroradiology (ASNR), has guided radiologists, clinicians, and interested public for more than a decade ⁹⁾ , it was revised in 2014 ^{10) 11)} .

1)

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2)

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3)

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Brant-Zawadzki MN, Jensen MC. Imaging corner: spinal nomenclature. Inter- and intra-observer variability in interpretation of lumbar disc abnormalities: a comparison of two nomenclatures. *Spine* 1995;20:388-90.

5)

Breton G. Is that a bulging disc, a small herniation, or a moderate protrusion? *Can Assoc Radiol J* 1991;42:318.

6)

Fardon DF, Herzog RJ, Mink JH. Nomenclature of lumbar disc disorders. In: Garfin SR, Vaccaro AR, eds. *Orthopaedic Knowledge Update: Spine*. Rosemont, IL: American Academy of Orthopaedic Surgeons; 1997:A3-14.

7)

Milette PC. The proper terminology for reporting lumbar intervertebral disc disorders. *Am J Neuroradiol* 1997;18:1859-66.

8)

Fardon DF, White AH, Wiesel S. Diagnostic terms and conservative treatments favored for lumbar disorders by spine surgeons in North America. Presented at: the first annual meeting, North American Spine Society; 1986; Lake George, NY.

9)

Fardon DF, Milette PC. Nomenclature and classification of lumbar disc pathology: recommendations of the combined task forces of the North American Spine Society, the American Society of Spine Radiology and the American Society of Neuroradiology. *Spine* 2001;26:E93-113.

10)

Fardon DF, Williams AL, Dohring EJ, Murtagh FR, Gabriel Rothman SL, Sze GK. Lumbar disc nomenclature: version 2.0: recommendations of the combined task forces of the North American Spine Society, the American Society of Spine Radiology and the American Society of Neuroradiology. *Spine J*. 2014;14(11):2525-2545.

11)

Fardon DF, Williams AL, Dohring EJ, Murtagh FR, Gabriel Rothman SL, Sze GK. Lumbar disc nomenclature: version 2.0: recommendations of the combined task forces of the North American Spine Society, the American Society of Spine Radiology, and the American Society of Neuroradiology. *Spine (Phila Pa 1976)*. 2014;39(24):E1448-E1465.

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