

1987

1986-1988

The first [Gamma Knife](#) in the [US](#) in [1987](#).

[Deep brain stimulation](#) (DBS) is a [neurosurgical \[\[procedure\]\]](#) introduced in [1987](#), involving the implantation of a medical device called a [neurostimulator](#) (sometimes referred to as a 'brain pacemaker'), which sends electrical impulses, through implanted electrodes.

In [1987](#) [Yaşargil](#) defined cerebral micro[arteriovenous malformations](#) as a subgroup of [pial arteriovenous malformation](#) characterized by a [nidus](#) of 1 cm or smaller ¹⁾.

Although Griffith and Veerapen reported a case of [endonasal](#) approach to the [sellar region](#) in [1987](#), the [transsphenoidal](#) endonasal approach did not gain popularity. ²⁾

[Atypical teratoid rhabdoid tumor](#) was originally described a histological variant of [Wilm's tumor](#) in [1978](#).

Primary intracranial diseases were initially reported in [1987](#) and subsequently, defined as a distinct CNS neoplasm in [1996](#) and added to the World Health Organization (WHO) Brain Tumor Classification in [2000](#) (grade IV).

[Torg-Pavlov ratio](#), (AKA Pavlov ratio, Torg ratio) or so called "Canal Body Ratio" CBR was first described in [1987](#) by Pavlov et al., it represented the ratio between the sagittal diameter of the spinal canal and the sagittal diameter of the corresponding vertebral body and was first measured on lateral cervical spine X-ray. A ratio of <0.7-0.8 indicated a significant spinal stenosis with high risk of neurological injury ^{3) 4)}; the ratio of the AP diameter of the spinal canal at the mid VB level to the VB at the same location. A ratio < 0.8 is sensitive

¹⁾

Yaşargil MG: Microneurosurgery. Volume IIIA. AVM of the Brain, History, Embryology, Pathological Considerations, Hemodynamics, Diagnostic Studies, Microsurgical Anatomy. New York: Thieme, 1987

²⁾

Griffith HB, Veerapen R. A direct transnasal approach to the sphenoid sinus. Technical note. J Neurosurg. 1987 Jan;66(1):140-2. PubMed PMID: 3783248.

³⁾

Pavlov H, Torg JS, Robie B, et al. Cervical Spinal Stenosis: Determination with Vertebral Body Ratio Method. Radiology. 1987; 164:771-775

⁴⁾

Torg JS, Naranja RJ, Pavlov H, et al. The Relationship of Developmental Narrowing of the Cervical Spinal Canal to Reversible and Irreversible Injury of the Cervical Spinal Cord in Football Players. J Bone Joint Surg. 1996; 78A:1308-1314

From:

<https://neurosurgerywiki.com/wiki/> - **Neurosurgery Wiki**

Permanent link:

<https://neurosurgerywiki.com/wiki/doku.php?id=1987>

Last update: **2024/06/07 02:54**

