

1977

1976-1978

The introduction of microsurgical techniques in 1977 and 1978 was introduced for spinal surgery by the work of the famous neurosurgeon Mahmut [Gazi Yasargil](#)¹⁾ and [Wolfhard Caspar](#)²⁾ and so-called [microdiscectomy](#) was introduced and represented an important evolution in [lumbar disc surgery](#). Williams has also described "[microdiscectomy](#)" in 1978³⁾.

Kendall and Logue first published a description of a [spinal vascular malformation](#) in 1977 with the novel recognition that these were actually not intradural sAVMs, but rather dural-based lesions with drainage into the previously not yet described coronal plexus of veins.

In 1977, [Twist drill craniostomy for chronic subdural hematoma](#) was introduced.⁴⁾

In 1977 Yamura and Makino coined the term "[syndrome of the sunken skin flap](#)" to describe the neurological symptoms due to a [craniectomy](#) defect⁵⁾.

The discovery of [aciclovir](#) was announced in 1977.

The first major [Cerebral Arteriovenous Malformation Grading](#) scheme developed by Luessenhop and Gennarelli in 1977⁶⁾ formulated a grade from I to IV based on the number of feeding arteries for which it is standardized nomenclature.

¹⁾

Yasargil MG. Microsurgical operation for herniated disc. In: Wüllenweber R, Brock M, Hamer J, et al., editors. Lumbar disc adult hydrocephalus. Berlin: Springer-Verlag; 1977. p. 81.

²⁾

Caspar W, Campbell B, Barbier DD, Kretschmer R, Gotfried Y. The Caspar microsurgical discectomy and comparison with a conventional standard lumbar disc [procedure](#). Neurosurgery. 1991;28:78-86. discussion 86-87.

³⁾

Williams RW. Micro[lumbar discectomy](#): a conservative surgical approach to the virgin herniated [lumbar disc](#). Spine (Phila Pa 1976) 1978;3:175-82.

⁴⁾

Lee KS. How to Treat Chronic Subdural Hematoma? Past and Now. J Korean Neurosurg Soc. 2019 Mar;62(2):144-152. doi: 10.3340/jkns.2018.0156. Epub 2018 Nov 30. PubMed PMID: 30486622; PubMed Central PMCID: PMC6411568.

⁵⁾

Yamaura A, Makino H. Neurological deficits in the presence of the sinking skin flap following

decompressive craniectomy. (Tokyo) Neurol Med Chir 1977;17:43-53.

⁶⁾

Luessenhop AJ, Gennarelli TA. Anatomical grading of [supratentorial arteriovenous malformations](#) for determining operability. Neurosurgery 1977;1(1): 30-5.

From:

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

Permanent link:

<https://neurosurgerywiki.com/wiki/doku.php?id=1977>

Last update: **2024/06/07 02:53**

