

1997

1996-1998

The [Food and Drug Administration](#) (FDA) approved [Deep brain stimulation DBS](#) as a treatment for [essential tremor](#) in [1997](#), for [Parkinson's disease](#) in [2002](#), [dystonia](#) in [2003](#), and [obsessive-compulsive disorders](#), in [2009](#). DBS is also used in research studies to treat [chronic pain](#), PTSD, and has been used to treat various affective disorders, including [major depression](#); neither of these applications of DBS have yet been FDA-approved. While DBS has proven effective for some patients, potential for serious complications and side effects exists.

Foley et al. ¹⁾ first reported lumbar discectomies through an endoscopically visualized tube in [1997](#).

[Vagus nerve stimulation](#) for [drug-resistant epilepsy](#) was first approved in Europe in [1994](#) and in the [United States](#) (US) in [1997](#).

In [1997](#), Morel, Magnin, and Jeanmonod presented a microscopic stereotactic atlas of the human [thalamus](#). Parcellations of thalamic nuclei did not only use cyto- and myeloarchitectonic criteria but were additionally corroborated by staining for calcium-binding proteins, which bears functional significance. The atlas complies with the Anglosaxon nomenclature elaborated by Jones and the data were sampled in three orthogonal planes in the AC-PC reference space ²⁾.

Simultaneous [PET/MRI](#) detection was first demonstrated in [1997](#), however, it took another 13 years, and new detector technologies, for clinical systems to become commercially available.

Interhemispheric [acute subdural hematoma](#) was first described by Aring and Evans ³⁾ in [1940](#) and only about 100 cases have been reported till [1997](#) ^{4) 5) 6)}.

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Foley KT, Smith MM, Rampersaud YR. Microendoscopic approach to far-lateral [lumbar disc herniation](#). Neurosurg Focus. 1999;7:e5.

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Morel A, Magnin M, Jeanmonod D. Multiarchitectonic and stereotactic atlas of the human thalamus. J Comp Neurol. 1997 Nov 3;387(4):588-630. Erratum in: J Comp Neurol 1998 Feb 22;391(4):545. PubMed PMID: 9373015.

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Aring CD, Evans JP. Aberrant location of subdural hematoma. Arch Neurol Psychiatry. 1940;44:1296-306.

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Sadrolhefazi A, Bloomfield SM. Interhemispheric and bilateral chronic subdural hematoma. Neurosurg

Clin N Am. 2000;11:455-63.

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Houtteville JP, Toumi K, Theron J, Derlon JM, Benazza A, Hubert P. Interhemispheric subdural haematomas: seven cases and review of the literature. Br J Neurosurg. 1988;2:357-67. doi: 10.3109/02688698809001007.

⁶⁾

Rapanà A, Lamaida E, Pizza V, Lepore P, Caputi F, Graziussi G. Inter-hemispheric scissure, a rare location for a traumatic subdural hematoma, case report and review of the literature. Clin Neurol Neurosurg. 1997;99:124-9. doi: 10.1016/S0303-8467(96)00585-9.

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