

2005

2004-2006

Since 2005, state-of-the-art therapy in [glioblastoma multiforme](#) consists of [maximal safe resection](#) followed by combined [radiotherapy](#) and [chemotherapy](#) with [temozolomide](#), according to [Stupp regimen](#) ¹⁾ ²⁾, particularly in patients that demonstrate [MGMT promoter methylation](#). At recurrence there is no consensus as to the standard of care as no therapeutic options have produced substantial survival benefit ³⁾.

[Onyx](#) liquid embolic material in [2005](#).

Randomized Trial of Unruptured Brain Arteriovenous Malformations ([ARUBA](#)) in [2014](#)

In the early 1990's, endovascular treatment using embolic coils for the treatment of [intracranial aneurysms](#) was established. Since then, there has been a significant body of peer-reviewed literature written by medical experts regarding the use, safety, and efficacy of these detachable embolic coils. With the publishing of the [ISAT \(Intracranial Subarachnoid Aneurysm Trial\)](#) trial data in [2005](#), which compared clinical outcomes of neurosurgical clipping and endovascular coiling, embolic coiling became the preferred method for treatment of the majority of [unruptured intracranial aneurysms](#) ⁴⁾.

[Juha Hernesniemi](#), published the [lateral supraorbital craniotomy](#) ⁵⁾ it avoids the approach through the [sylvian fissure](#) (SF) and irrespective of the SF anatomy approaches the aneurysms immediately [subfrontally](#). The SF is only partially open.

The [H index](#) was suggested in [2005](#) by Jorge E. Hirsch, a physicist at UCSD, as a tool for determining theoretical physicists' relative quality and is sometimes called the Hirsch index or Hirsch number.

Since its introduction in [1991](#), the [Marshall computed tomography classification](#) has become largely accepted for its descriptive and predictive value. For example, the [IMPACT \(International Mission for Prognosis and Analysis of Clinical Trial in TBI\)](#) prognostic model applies the Marshall CT score for 6-month outcome prediction in patients with moderate to severe TBI ⁶⁾.

The Marshall computed tomography classification was, however, not designed for outcome prediction, and in [2005](#), Maas et al redesigned it for 6-month mortality prediction, resulting in the [Rotterdam CT score](#) ⁷⁾.

First World Congress of [Endoscopic Skull Base Surgery](#) held in [2005](#) in [Pittsburgh](#), Pennsylvania.

[WANS](#) is a non-profit public benefit association and is established in October [2005](#) as an honor society to promote cooperation and camaraderie amongst world leaders of [neurosurgery](#), exchange of scientific knowledge and recognition of major contributors to the specialty.

1)

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2)

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3)

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4)

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5)

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6)

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7)

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