

# Rudolf Ludwig Karl Virchow

It was not until the mid-nineteenth century, however, that the contributions of Rudolf Ludwig Karl Virchow, including his descriptions of the phenomena he called “[embolism](#)” and “[thrombosis](#)” as well as the origins of [ischemia](#), changed the understanding of [stroke](#). He suggested three main factors that conduce to venous thrombosis, which are now known as the [Virchow triad](#). He also showed that portions of what he called a “[thrombus](#)” could detach and form an “[embolus](#).” Thus, Virchow coined these terms to describe the pathogenesis of the disorder.

During the early 19th century, glioblastoma was considered of mesenchymal origin and was defined as a [sarcoma](#). In [1863](#), [Rudolf Ludwig Karl Virchow](#) demonstrated its glial origin <sup>1)</sup>

It was also not until 1863 that Virchow recognized and differentiated almost all of the common types of intracranial malformations: telangiectatic venous malformations, arterial malformations, arteriovenous malformations, cystic angiomas (possibly what are now called [hemangioblastomas](#)), and transitional types of these lesions.

A article of Safavi-Abbasi et al. review the contributions of Rudolf Virchow to the current understanding of cerebrovascular pathology, and a summary of the life of this extraordinary personality in his many roles as physician, pathologist, anthropologist, ethnologist, and politician <sup>2)</sup>.

The misconception of 'pachymeningitis hemorrhagica interna' was introduced by Rudolf Virchow in [1857](#) for [chronic subdural hematoma](#) <sup>3)</sup>.

<sup>1)</sup>

Virchow R. Pathologie In Die Krankhaften Geschwülste. Berlin. 1864-1865.

<sup>2)</sup>

Safavi-Abbasi S, Reis C, Talley MC, Theodore N, Nakaji P, Spetzler RF, Preul MC. Rudolf Ludwig Karl Virchow: pathologist, physician, anthropologist, and politician. Implications of his work for the understanding of cerebrovascular pathology and stroke. Neurosurg Focus. 2006 Jun 15;20(6):E1. PubMed PMID: 16819807.

<sup>3)</sup>

Weigel R, Krauss JK, Schmiedek P. Concepts of neurosurgical management of chronic subdural haematoma: historical perspectives. Br J Neurosurg. 2004 Feb;18(1):8-18. PubMed PMID: 15040710.

From:

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

Permanent link:

[https://neurosurgerywiki.com/wiki/doku.php?id=rudolf\\_ludwig\\_karl\\_virchow](https://neurosurgerywiki.com/wiki/doku.php?id=rudolf_ludwig_karl_virchow)

Last update: **2024/06/07 02:49**

