

Thrombocytopenia

The terms thrombocytopenia and [thrombopenia](#) refer to a disorder in which there is a relative decrease of [platelets](#).

These limits are determined by the 2.5th lower and upper percentile, so values outside this range do not necessarily indicate disease. One common definition of thrombocytopenia is a platelet count below 50,000 per microlitre.

Severe [thrombocytopenia](#) can result in petechial hemorrhages or [spontaneous intracerebral hemorrhage](#) (ICH).

Hypertension and [thrombocytopenia](#) are potentially modifiable predictors of [reoperation](#) for hematoma, which were associated greater odds of 30-day death ¹⁾.

Vaccine-induced Immune Thrombotic Thrombocytopenia

see [Heparin-induced thrombocytopenia](#).

In Neurosurgery

- [Children with medulloblastoma treated with modified ACNS0821 temozolomide, irinotecan, and bevacizumab: The Seattle Children's Hospital experience](#)
- [Chronic subdural hematoma: Clinical experience and recurrence risk factors in a Mexican neurosurgery residency training program](#)
- [Platelet Transfusion: 2025 AABB and ICTMG International Clinical Practice Guidelines](#)
- [Respiratory transmission potential of severe fever with thrombocytopenia syndrome bunyavirus: evidence from intranasal exposure in a humanized mouse model](#)
- [Delandistrogene Moxeparvovec Gene Therapy in Individuals With Duchenne Muscular Dystrophy: Evidence in Focus: Report of the AAN Guidelines Subcommittee](#)
- [International multi-center study of middle meningeal artery embolization for chronic subdural hematoma in cancer patients: Efficacy, safety, and outcomes in a high-risk population](#)
- [Long-term Efficacy, Survival, and Toxicity of Peptide Receptor Radionuclide Therapy in Patients With Refractory Meningioma](#)
- [Phase Ib study with expansion of ibrutinib, lenalidomide and rituximab in patients with relapsed/refractory CNS lymphoma](#)

A free [valproic acid](#) (VPA) serum concentration of 14.67 mcg/mL had the optimal discriminating power for the occurrence of [thrombocytopenia](#). [Ammonemia](#) should be monitored even if free VPA concentration is within the safety range ²⁾.

Yoo et al. report the first case of severe fever with thrombocytopenia syndrome (SFTS) and a [intracranial acute spontaneous subdural hematoma](#) (SDH) in Korea. A 79-year-old male presented

with fever and thrombocytopenia. On the third day of hospitalization, his mental changed from drowsy to semi-coma. Brain computed tomography indicated an acute subdural hemorrhage on the right convexity. He was given early decompressive craniectomy, but did not survive. Real-time reverse transcription polymerase chain reaction analysis of a blood sample indicated the presence of [SFTS virus](#) (SFTSV). This is the first reported case with intracranial hemorrhage and SFTS. This case report describes our treatment of a patient with acute SDH and an infection from a tick-borne species of Bunyaviridae ³⁾.

References

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³⁾

Yoo J, Oh JW, Jang CG, Moon JH, Kim EH, Chang JH, Kim SH, Kang SG. Spontaneous Acute Subdural Hemorrhage in a Patient with a Tick Borne Bunyavirus-Induced Severe Fever with Thrombocytopenia Syndrome. *Korean J Neurotrauma*. 2017 Apr;13(1):57-60. doi: 10.13004/kjnt.2017.13.1.57. Epub 2017 Apr 30. PubMed PMID: 28512621; PubMed Central PMCID: PMC5432452.

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