

Intracranial Acute Subdural Hematoma after Spinal Anesthesia

Of 329 cases of nontraumatic ASDH, Elshanawany and Wahab identified 6 patients whose spontaneous ASDH developed following [spinal anesthesia](#). All patients were obstetrical and received [spinal anesthesia](#) for delivery. Patient ages ranged from 21 to 34 years. Two patients presented with deterioration of consciousness a few hours after delivery. Three patients presented with persistent headache and lethargy days after delivery. One patient presented 3 days after delivery with severe deterioration of consciousness. All patients had undergone surgical evacuation of a hematoma. Five patients recovered and one patient died 2 days after surgery. Records showed none of the six patients had coagulopathy or any other blood disorder.

Although uncommon, intracranial ASDH should be considered in patients following spinal anesthesia, especially those with a prolonged headache after the procedure ¹⁾.

Schweiger V, Zanconato G, Lonati G, Baggio S, Gottin L, Polati E. Intracranial subdural hematoma after spinal anesthesia for cesarean section. *Case Rep Obstet Gynecol.* 2013;2013:253408. doi: 10.1155/2013/253408. Epub 2013 Dec 24. PubMed PMID: 24455348; PubMed Central PMCID: PMC3884612.

Doğanay F, Pirbudak L, Gül R, Alptekin M, Kaplan N. [Postspinal subacute subdural hematoma: case report]. *Agri.* 2013;25(3):129-32. doi: 10.5505/agri.2013.76598. Turkish. PubMed PMID: 24104535.

Hagino T, Ochiai S, Watanabe Y, Senga S, Saito M, Naganuma H, Sato E, Haro H. Acute onset of intracranial subdural hemorrhage five days after spinal anesthesia for knee arthroscopic surgery: a case report. *J Med Case Rep.* 2012 Mar 6;6:75. doi: 10.1186/1752-1947-6-75. PubMed PMID: 22394604; PubMed Central PMCID: PMC3310800.

Bisinotto FM, Dezena RA, Fabri DC, Abud TM, Canno LH. Intracranial subdural hematoma: a rare complication following spinal anesthesia: case report. *Rev Bras Anesthesiol.* 2012 Jan-Feb;62(1):88-95. doi: 10.1016/S0034-7094(12)70107-1. PubMed PMID: 22248770.

Rocchi R, Lombardi C, Marradi I, Di Paolo M, Cerase A. Intracranial and intraspinal hemorrhage following spinal anesthesia. *Neurol Sci.* 2009 Oct;30(5):393-6. doi: 10.1007/s10072-009-0103-1. Epub 2009 Jun 30. PubMed PMID: 19565185.

Abbinante C, Lauta E, Di Venosa N, Ribezzi M, Colamaria A, Ciappetta P. Acute subdural intracranial hematoma after combined spinal-epidural analgesia in labor. *Minerva Anesthesiol.* 2010 Dec;76(12):1091-4. PubMed PMID: 19202529.

Dawley B, Hendrix A. Intracranial subdural hematoma after spinal anesthesia in a parturient. *Obstet Gynecol.* 2009 Feb;113(2 Pt 2):570-3. doi: 10.1097/AOG.0b013e318195c15b. PubMed PMID: 19155961.

Ramos-Aparici R, Segura-Pastor D, Edo-Cebollada L, Vila-Sánchez M. Acute subdural hematoma after spinal anesthesia in an obstetric patient. *J Clin Anesth.* 2008 Aug;20(5):376-378. doi: 10.1016/j.jclinane.2008.01.010. PubMed PMID: 18761248.

Zeidan A, Farhat O, Maaliki H, Baraka A. Does postdural puncture headache left untreated lead to subdural hematoma? Case report and review of the literature. *Int J Obstet Anesth*. 2006 Jan;15(1):50-8. Epub 2005 Oct 26. Review. PubMed PMID: 16256333.

Kayacan N, Arici G, Karsli B, Erman M. Acute subdural haematoma after accidental dural puncture during epidural anaesthesia. *Int J Obstet Anesth*. 2004 Jan;13(1):47-9. PubMed PMID: 15321441.

Reina MA, Alvarez-Linera J, López A, Benito-León J, De Andrés JA, Sola RG. [Magnetic resonance in dural post-puncture headache in patient with cerebrospinal fluid hypotension]. *Rev Esp Anesthesiol Reanim*. 2002 Feb;49(2):89-100. Review. Spanish. PubMed PMID: 12025253.

Acharya R, Chhabra SS, Ratra M, Sehgal AD. Cranial subdural haematoma after spinal anaesthesia. *Br J Anaesth*. 2001 Jun;86(6):893-5. Review. PubMed PMID: 11573605.

Béal JL, Royer JM, Freysz M, Poli L, Wilkening M. [Acute intracranial subdural hematoma of arterial origin after spinal anesthesia]. *Ann Fr Anesth Reanim*. 1989;8(2):143-5. French. PubMed PMID: 2735574.

Reynolds AF, Slavin L. Postpartum acute subdural hematoma; a probable complication of saddle block analgesia. *Neurosurgery*. 1980 Oct;7(4):398-9. PubMed PMID: 7442983.

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Elshanawany AM, Wahab AHA. Intracranial Acute Subdural Hematoma Following Spinal Anesthesia: Our Experience with Six Patients. *J Neurol Surg A Cent Eur Neurosurg*. 2019 Aug 29. doi: 10.1055/s-0039-1685184. [Epub ahead of print] PubMed PMID: 31466105.

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