**SDC Table 1. Review of similar cases reported in the literatures.**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Reference | Patient age(years) | Gestational age | Cause | Clinical presentation | Level of hematoma | Management 1st/2nd procedure | Outcome (Mother) | Outcome (Neonate) |
| Bidzinski(1966)1 | 26 | 6 months | Spontaneous | BP, W-PG | T2-T5 | DL/CP | I | alive |
| Binnert *et al*.(1971)2 | 28 | 37 weeks | Spontaneous | ISP, PG | C7-T1 | VD/DL | NR | alive |
| Hack *et al*. (1984)3 | 28 | 8 months | Spontaneous | BP, PG | T11-L1 | DL/VD | NR | alive |
| Mahieu *et al*. (1994)4 | 26 | 30 weeks | Spontaneous | NP, BSS | C3-T1 | CS/DL | CR | alive |
| Carroll *et al*. (1997)5 | 26 | 35 weeks | Spontaneous | BP, leg W-SL, UR | T6-T7 | CS/CTVE | I | alive |
| Steinmetz *et al*. (2003)6 | 27 | 38 weeks | Spontaneous | ISP, W, PTH, PG | T1-T2 | CS/DL-PF | CR | alive |
| Masski *et al*. (2004)7 | 27 | 41 weeks | Spontaneous | NP, AP, PG, SD | C7-T2 | CS/DL | NR | alive |
| Szkup *et al*.(2004)8 | 31 | 32 weeks | Spontaneous | APL, N, BP | T1-T4 | CS/DL | I | alive |
| Cywinski *et al*. (2004)9 | 27 | 38 weeks | Spontaneous | ISP-BP, leg W-N | T1-T2 | CS/DL | CR | alive |
| Kelly *et al*. (2005)10 | 31 | 32 weeks | Spontaneous | BP, leg W, SD | T2-T4 | CS/DL | CR | alive |
| Jea *et al*. (2005)11 | 24 | 20 weeks | Spontaneous | NP, Q | T1-T2 | DL-E | CR | alive |
| Case *et al*. (2005)12 | 30 | 38 weeks | Spontaneous | BP, PTH, W, SL | T6-T9 | CS/DL | CR | alive |
| Doblar *et al*. (2005)13 | 30 | 37 weeks | Spontaneous- Preeclampsia | LP, PG, SL | T? | CS/DL | I-RD | alive |
| Consolo *et al*. (2007)14 | 27 | 36 weeks | Spontaneous | ISP, PG | T8 | CS/DL | I-RD | alive |
| Forsnes *et al*. (2009)15 | 32 | 27 weeks | Spontaneous-Anticoagulants | BP, leg W | T12-L2 | DL/CP | CR | alive |
| Haraga *et al*. (2010)16 | 31 | 28 weeks | Spontaneous | APL, N | T4-T9 | CS/DL | CR | alive |
| Badar *et al*. (2011)17 | 35 | 37 weeks | Spontaneous | BP, W, N | T2-T8 | CS/DL | I | alive |
| Tada *et al*. (2011)18 | 26 | 31 weeks | Spontaneous | BP, PTH, N, W | C4-T2 | DL/CP | CR | alive |
| Tada *et al*. (2011)18 | 21 | 39 weeks | Spontaneous | BP, N | C5-T2 | CS/DL | I | alive |
| Tada *et al*. (2011)18 | 25 | 36 weeks | Spontaneous | BP, N, gait disturbances | T5-T8 | CS/E | CR | alive |
| Jo *et al*. (2012)19 | 31 | 36 weeks | Spontaneous | BP, leg W | T1-T5 | CS/DL | CR | alive |
| Miguil *et al*. (2012)20 | 26 | 35 weeks | Spontaneous | BP, SP, PG, SD | T2-T4 | CS/DL | RD | alive |
| Nozawa *et al*. (2013)21 | 29 | 39 weeks | Spontaneous | BP, leg paresis, PTH | T5-T6 | CS/DL | CR | alive |
| Wang *et al*.(2013)22 | 26 | 26 weeks | Spontaneous | BP, APL/W, UI | T6-T10 | DL-E/CP | RD | alive |
| Bansal *et al*. (2014)23 | 30 | 36 weeks | Spontaneous-HELLP | PG, BP, NP, W, SL | lower C, upper T | CS/DL | CR | alive |
| Krishnan *et al*. (2014)24 | 25 | 27 weeks | Spontaneous | ISP, W lower limbs, UR | T3-T6 | DL-E/CP | CR | alive |
| Iwatsuki *et al*. (2015)25 | 27 | 37 weeks | Spontaneous (recurrent) | SP | C4-T1 | CS/NOM | CR | alive |
| Alahmed *et al*. (2017)26 | 38 | 2nd trimester | Spontaneous | W, BP, PG | T12 | DL | RD | abortion |
| Lau *et al*.(2017)27 | 34 | 34 weeks | Spontaneous | BP, PG, SL | T2-T3 | DL/CP | CR | alive |
| Kong *et al*. (2018)28 | 34 | 33 weeks | Spontaneous | BP, lower limbs W-N, UR | T2-T3 | DL/CP | CR | alive |
| Nguyen *et al*. (2018)29 | 37 | 36.5 weeks | Spontaneous- Preeclampsia | BP, N, W | T5-T6 | VD/NOM | CR | alive |

AP: Arm pain; APL: Ascending paralysis; BP: Back pain; BSS: Brown-Sequard syndrome; CP: Continuation of pregnancy; CR: Complete restoration; CS: C-section; CTVE: Costotransversectomy; DL: Decompressive laminectomy; E: Evacuation of hematoma; HELLP: Hemolysis, elevated liver function and low platelet count syndrome; I: Improvement; ISP: Interscapular pain; LP: Lumbar pain; N: Numbness; NOM: Non-operative management; NP: Neck pain; NR: No recovery; PF: Partial facetectomy; PG: Paraplegia; PTH: Paresthesia; Q: Quadriplegia; RD: Remaining deficits; SD: Sphincter disorders; SL: Sensory loss; SP: Shoulder pain; UI: Urinary incontinence; UR: Urine retention; VD: Vaginal delivery; W: Weakness.

 References:

1. Bidzinski J. Spontaneous spinal epidural hematoma during pregnancy: case report. J Neurosurg 1966;24(6):1017. doi:[10.3171/jns.1966.24.6.1017](https://doi.org/10.3171/jns.1966.24.6.1017).
2. Binnert D, Thierry A, Michiels R, et al. [Presentation of a new case of spontaneous spinal extradural hematoma observed during labor]. J Med Lyon 1971;52(215):1307-1309.
3. Hack I, Cademartori MS, Mamani RS, et al. [Spontaneous spinal epidural hematoma during pregnancy: report of a case]. Arq Neuropsiquiatr 1984;42(1):41-44. doi: 10.1590/s0004-282x1984000100007.
4. Mahieu X, Kridelka F, Pintiaux A, et al. [Spontaneous cervical extradural hematoma in a pregnant woman]. J Gynecol Obstet Biol Reprod (Paris) 1994;23(1):99-102.
5. Carroll SG, Malhotra R, Eustace D, et al. Spontaneous spinal extradural hematoma during pregnancy. J Matern Fetal Med 1997;6(4):218-219. doi: 10.1002/(SICI)1520-6661(199707/08)6:4<218::AID-MFM6>3.0.CO;2-M.
6. Steinmetz MP, Kalfas IH, Willis B, et al. Successful surgical management of a case of spontaneous epidural hematoma of the spine during pregnancy. Spine J 2003;3(6):539-542.
7. Masski G, Housni B, Ibahiouin K, et al. Spontaneous cervical epidural haematoma during pregnancy. Int J Obstet Anesth 2004;13(2):103-106. doi: 10.1016/j.ijoa.2003.09.006.
8. Szkup P, Stoneham G. Case report: spontaneous spinal epidural haematoma during pregnancy: case report and review of the literature. Br J Radiol 2004;77(922):881-884. doi: 10.1259/bjr/58217479.
9. Cywinski JB, Parker BM, Lozada LJ. Spontaneous spinal epidural hematoma in a pregnant patient. J Clin Anesth 2004;16(5):371-375. doi: 10.1016/j.jclinane.2003.08.007.
10. Kelly ME, Beavis RC, Hattingh S. Spontaneous spinal epidural hematoma during pregnancy. Can J Neurol Sci 2005;32(3):361-365. doi: 10.1017/s0317167100004297.
11. Jea A, Moza K, Levi AD, et al. Spontaneous spinal epidural hematoma during pregnancy: case report and literature review. Neurosurgery 2005;56(5):E1156; discussion E1156.
12. Case AS, Ramsey PS. Spontaneous epidural hematoma of the spine in pregnancy. Am J Obstet Gynecol 2005;193(3 Pt 1):875-877. doi: 10.1016/j.ajog.2005.03.015.
13. Doblar DD, Schumacher SD. Spontaneous acute thoracic epidural hematoma causing paraplegia in a patient with severe preeclampsia in early labor. Int J Obstet Anesth 2005;14(3):256-260. doi: 10.1016/j.ijoa.2004.09.009.
14. Consolo D, Vadala AA, Rollin P, et al. [Spontaneous spinal epidural haematoma during pregnancy]. Ann Fr Anesth Reanim 2007;26(5):455-458. doi: 10.1016/j.annfar.2007.01.019.
15. Forsnes E, Occhino A, Acosta R. Spontaneous spinal epidural hematoma in pregnancy associated with using low molecular weight heparin. Obstet Gynecol 2009;113(2 Pt 2):532-533. doi: 10.1097/AOG.0b013e31818f52d1.
16. Haraga I, Sugi Y, Higa K, et al. [Spontaneous spinal subdural and epidural haematoma in a pregnant patient]. Masui 2010;59(6):773-775.
17. Badar F, Kirmani S, Rashid M, et al. Spontaneous spinal epidural hematoma during pregnancy: a rare obstetric emergency. Emerg Radiol 2011;18(5):433-436. doi: 10.1007/s10140-011-0952-9.
18. Tada S, Yasue A, Nishizawa H, et al. Spontaneous spinal epidural hematoma during pregnancy: three case reports. J Obstet Gynaecol Res 2011;37(11):1734-1738. doi: 10.1111/j.1447-0756.2011.01592.x.
19. Jo YY, Lee D, Chang YJ, et al. Anesthetic management of a spontaneous spinal-epidural hematoma during pregnancy. Int J Obstet Anesth 2012;21(2):185-188. doi: 10.1016/j.ijoa.2011.12.008.
20. Miguil M, Mounir A, El Benny M, et al. Spontaneous Thoracic Epidural Haematoma during Pregnancy: Another Case! *J Anesth Clin Res* 2012;3:208. doi:[10.4172/2155-6148.1000208](https://doi.org/10.4172/2155-6148.1000208).
21. Nozawa M, Hashimoto Y, Tomita Y, et al. [A case of emergency cesarean section complicated with spontaneous spinal epidural hematoma]. Masui 2013;62(6):690-692.
22. Wang ZL, Bai HX, Yang L. Spontaneous spinal epidural hematoma during pregnancy: case report and literature review. Neurol India 2013;61(4):436-437. doi: 10.4103/0028-3886.117600.
23. Bansal J, Maheshwarappa RP, Gupta A, et al. Non Traumatic Spinal Epidural Haematoma in a Woman with HELLP Syndrome: A Case Report. J Clin Diagn Res 2014;8(12):RD06-07. doi: 10.7860/JCDR/2014/10415.5307.
24. Krishnan P, Kartikueyan R. Spontaneous spinal epidural hematoma: a rare cause of paraplegia in pregnancy. Neurol India 2014;62(2):205-207. doi: 10.4103/0028-3886.132413.
25. Iwatsuki K, Deguchi M, Hirata H, et al. Spontaneously Resolved Recurrent Cervical Epidural Hematoma in a 37-Week Primigravida. Global Spine J 2015;5(5):e44-47. doi: 10.1055/s-0034-1398489.
26. Alahmed AM, Alabbas F, Alzahrani MS. Spontaneous Spinal Epidural Hematoma in Pregnancy. *The Egyptian Journal of Hospital Medicine* 2017;69(1):1603-1606. doi:[10.12816/0040107](https://doi.org/10.12816/0040107).
27. Lau K, Hui C, Lau S, et al. Spontaneous Spinal Epidural Haematoma in a 34-week Pregnant Woman: A Case Report and Literature Review. Journal of Orthopaedics, Trauma and Rehabilitation 2017;23(1).
28. Kong CW, To W. Spontaneous spinal epidural haematoma during pregnancy. J Obstet Gynaecol 2018;38(1):129-131. doi: 10.1080/01443615.2017.1325861.
29. Nguyen M, Kronen MR, Nhan A, et al. Nonsurgical Intervention in a Preeclamptic Patient with Spontaneous Spinal Epidural Hematoma. Case Rep Obstet Gynecol 2018;2018:5879481. doi: 10.1155/2018/5879481.