

REFERENCES

- Wright B, Lai J, Sinclair AJ: Cerebrospinal fluid and lumbar puncture: a practical review. *J Neurol* 259: 1530, 2012. [PMID: 22278331]
- Nath S, Koziarz A, Badhiwala JH, et al: Atraumatic versus conventional lumbar puncture needles: a systematic review and meta-analysis. *Lancet* 391: 1197, 2018. [PMID: 29223694]
- Shaikh F, Brzezinski J, Alexander S, et al: Ultrasound imaging for lumbar punctures and epidural catheterizations: systemic review and meta-analysis. *BMJ* 346: f1720, 2013. [PMID: 23532866]
- Engelborghs S, Niemantsverdriet E, Struyfs H, et al: Consensus guidelines for lumbar puncture in patients with neurological diseases. *Alzheimers Dement* 8: 111, 2017. [PMID: 28603768]
- Domingues R, Bruniera G, Brunale F, Manguera C, Senne C: Lumbar puncture in patients using anticoagulants and antiplatelet agents. *Arq Neuropsiquiatr* 74: 679, 2016. [PMID: 27556380]
- Hunter BR, Seupaul RA: Are there pharmacologic agents that safely and effectively treat post-lumbar puncture headache? *Ann Emerg Med* 61: 84, 2013. [PMID: 22520992]
- Arevalo-Rodriguez I, Ciapponi A, Roque i Figuls M, Munoz I, Bonfil Cosp X: Posture and fluids for preventing post-dural puncture headache. *Cochrane Database Syst Rev* 7: CD009199, 2016. [PMID: 26950232]
- Hanak BW, Bonow RH, Harris CA, Browd SR: Cerebrospinal fluid shunting complications in children. *Pediatr Neurosurg* 52: 381, 2017. [PMID: 28249297]
- Riva-Cambrin J, Kestle JR, Holubkov R, et al: Risk factors for shunt malfunction in pediatric hydrocephalus: a multicenter prospective cohort study. *J Neurosurg Pediatr* 17: 382, 2016. [PMID: 26636251]
- Kraemer MR, Sandoval-Garcia C, Bragg T, Iskandar BJ: Shunt-dependent hydrocephalus: management style among members of the American Society of Pediatric Neurosurgeons. *J Neurosurg Pediatr* 20: 216, 2017. [PMID: 28665241]
- Maller VV, Agarwal A, Kanekar S: Imaging of ventricular shunts. *Semin Ultrasound CT MRI* 37: 159, 2016. [PMID: 27063666]
- Browd SR, Gottfried ON: Failure of cerebrospinal fluid shunts. Part II: overdrainage, loculation, and abdominal complications. *Pediatr Neurol* 34: 3, 2006. [PMID: 16504785]
- Wallace AN, McConathy J, Menias CO, Bhalla S, Wippold FJ II: Imaging evaluation of CSF shunts. *Am J Roentgenol* 202: 38, 2014. [PMID: 24370127]
- Rios B, Iglesias S, Martin A, Carrasco A, Ibanez G, Arraez MA: Shunt overdrainage syndrome: review of the literature. *Neurosurg Rev Epub* 2017. [PMID: 28352945]
- Browd SR, Ragel BT: Failure of cerebrospinal fluid shunts. Part I: obstruction and mechanical failure. *Pediatr Neurol* 34: 2, 2006. [PMID: 16458818]
- Kim TY, Stewart G: Signs and symptoms of cerebrospinal fluid shunt malfunction in the pediatric emergency department. *Pediatr Emerg Care* 22: 1, 2006. [PMID: 16418604]
- Simon TD, Kronman MP, Whitlock KB, et al: Variability in management of first cerebrospinal fluid shunt infection: a prospective multi-institutional observational cohort study. *J Pediatr* 179: 185, 2016. [PMID: 5123958]
- Hommelstad J, Madse A, Eide PK: Significant reduction of shunt infection rate in children below 1 year of age after implementation of a perioperative protocol. *Acta Neurochir* 55: 523, 2013. [PMID: 23224578]
- Adams DJ, Rajnik: Microbiology and treatment of cerebrospinal fluid shunt infections in children. *Curr Infect Dis Rep* 16: 427, 2014. [PMID: 25129115]
- Klimo P, Thompson CJ, Baird LC, Flannery AM: Oediatric hydrocephalus: systemic literature review and evidence based guidelines. Part 7: Antibiotic-impregnated shunt systems versus conventional shunts in children: a systematic review and meta-analysis. *J Neurosurg Pediatr Suppl* 1: 53, 2014. [PMID: 25988783]
- Al-Dubbagh M, Dobson S: Management of shunt related infections. *Adv Exp Med Biol* 719: 105, 2011. [PMID: 22125038]
- Blount JP, Campbell JA: Complication in ventricular cerebrospinal fluid shunting. *Neurosurg Clin North Am* 4: 633, 1993. [PMID: 8241787]
- Lee D, Adeoye AL, Dahdaleh NS: Indications and complications of crown halo vest placement: a review. *J Clin Neurosci* 40: 27, 2017. [PMID: 28209307]
- Gelalis ID, Christoforou G, Motsis E, Arnaoutoglou C, Xenakis T: Brain abscess and generalized seizure caused by halo pin intercranial penetration: case report and review of the literature. *Eur Spine J* 18 (Suppl 2): S172, 2009. [PMID: 18751739]
- Hayes VM, Silber JS, Siddiqi FN, et al: Complications of halo fixation of the cervical spine. *Am J Orthop* 34: 271, 2005. [PMID: 16060554]
- Woolf SM, Baum CR: Baclofen pumps: uses and complications. *Pediatr Emerg Care* 33: 271, 2017. [PMID: 28353527]
- Aristedis R, Dimitrios P, Nikolaos P, Alexandros B: Intrathecal baclofen pump infection treated by adjunct intrareservoir teicoplanin instillation. *Surg Neurol Int* 8: 38, 2017. [PMID: 28458952]
- Ghosh D, Mainali G, Khera J, Luciano M: Complications of intrathecal baclofen pumps in children: experience from a tertiary care center. *Pediatr Neurosurg* 49: 138, 2013. [PMID: 24577095]
- Tabbal SD, Revilla FJ: Safety and efficacy of subthalamic nucleus deep brain stimulation performed with limited intraoperative mapping for treatment of Parkinson's disease. *Neurosurgery* 61: 119, 2007. [PMID: 17876242]
- Flagg A II, McGreevy K, Williams K: Spinal cord stimulation in the treatment of cancer-related pain: "back to the origins." *Curr Pain Headache Rep* 16: 343, 2012. [PMID: 22610506]
- Zan E, Kurt KN, Yousem DM, Christo PJ: Spinal cord stimulators: typical positioning and postsurgical complications. *AJR Am J Roentgenol* 196: 437, 2011. [PMID: 21257898]
- Rudiger J, Thomson S: Infection rate of spinal cord stimulators after a screening trial period. A 53-month third party follow-up. *Neuromodulation* 14: 136, 2011. [PMID: 21992200]
- Chaiban G, Tolba R, Eissa H, et al: Successful treatment of occipital neuralgia with implantable peripheral nerve stimulation in a pacemaker-dependent patient. *Ochsner J* 14: 119, 2014. [PMID: 24688344]