
REFERENCES

Akkaya T, Ozturk E, Comert A, et al.: Ultrasound-guided obturator nerve block: a sonoanatomic study of a new methodologic approach. *Anesth Analg* **2009**; 108:1037–41.

Antonakakis JG, Sites BD, Shiffrin J: Ultrasound-guided posterior approach for the placement of a continuous interscalene catheter. *Reg Anesth Pain Med* **2009**; 34:64–8.

Arcand G, Williams SR, Chouinard P, et al.: Ultrasound-guided infraclavicular versus supraclavicular block. *Anesth Analg* **2005**; 101:886–90.

Axel R. Sauter, Michael S. Dodgson, Håvard Kalvøy, Sverre Grimnes, Audun Stubhaug, And Øivind Klaastad: A Study of Ultrasound-Guided Electrical Nerve Stimulation of the Median Nerve *Anesth Analg* April **2009**; 108:1338-1343.

Ay S, Akinci M, Sayin M, Bektas U, Tekdemir I, Elhan A: The axillary sheath and single-injection axillary block. *Clin Anat* **2007**; 20:57–63.

Bigeleisen P, Wilson M: A comparison of two techniques for ultrasound guided infraclavicular block. *Br J Anesth* **2006**; 96: 502-507.

Blaivas M, Lyon M: Ultrasound-guided interscalene block for shoulder dislocation reduction in the ED. *Am J Emerg Med* **2006**; 24:293-6.

Bloc S, Escoffey C, Dhonneur G: Controlled needle tip progression during ultrasound guided regional anesthesia using hydrolocalization technique. *Regional Anesthesia and Pain Medicine* **2004**; 33: 382–3.

Bloc S, Garnier T, Komly B, et al.: Spread of injectate associated with radial or median nerve-type motor response during infraclavicular brachial-plexus block: an ultrasound evaluation. *Reg Anesth Pain Med* **2007**; 32:130–5.

Bowen BC, Pattany PM, Saraf-Lavi E, Maravilla KR: The brachial plexus: normal anatomy, pathology, and MR imaging. *Neuroimaging Clin N Am*, Feb **2004**; 14(1):59-85.

Chan VW, Perlas A, McCartney CJ, Brull R, Xu D, Abbas S: Ultrasound guidance improves success rate of axillary brachial plexus block. *Can J Anesth* **2007**; 54:176–82.

Christophe JL, Berthier F, Boillot A, et al.: Assessment of topographic brachial plexus nerves variations at the axilla using ultrasonography. *Br J Anesth* **2009**; 103:606–12.

Clendenen SR, Riutort K, Ladlie BL, Robards C, Franco CD, Greengrass RA: Real-time three-dimensional ultrasound-assisted axillary plexus block defines soft tissue planes. *Anesth Analg* **2009**; 108:1347–50.

Clifford Bowens, Jr., Rajnish K. Gupta, William T. O'Byrne, Jonathan S. Schildcrout, Yaping Shi, Jermel J. Hawkins, Damon R. Michaels, and James M. Berry: Selective Local Anesthetic Placement Using Ultrasound Guidance and Neurostimulation for Infraclavicular Brachial Plexus Block *Anesth Analg* May **2010**; 110:1480-1485.

Collins AB, Gray AT, Kessler J: Ultrasound-guided supraclavicular brachial plexus block: a modified Plumb-Bob technique. *Reg Anesth Pain Med* **2006**; 31:591–2.

Desgagnes MC, Levesque S, Dion N, et al.: A comparison of a single or triple injection technique for ultrasound-guided

infraclavicular block: a prospective randomized controlled study. *Anesth Analg* **2009**; 109:668–72.

Dingemans E, Williams SR, Arcand G, et al,: Neurostimulation in ultrasound-guided infraclavicular block: a prospective randomized trial. *Anesth Analg* **2007**; 104:1275–80.

Dolan J, Williams A, Murney E, Smith M, Kenny GN: Ultrasound guided fascia iliaca block: a comparison with the loss of resistance technique. *Reg Anesth Pain Med* **2008**; 33:526–31.

Dowling and Bedfordth: Ultrasound in Anesthetic Practice Br. J. Anesth., July **2009**; 103: 142 - 143.

Dufour E, Quennesson P, Van Robais AL, Ledon F, Laloe PA, Liu N, Fischler M: Combined ultrasound and neurostimulation guidance for popliteal sciatic nerve block: a prospective, randomized comparison with neurostimulation alone. *Anesth Analg* **2008**; 106:1553-8.

Duggan E, Brull R, Lai J, Abbas S: Ultrasound-guided brachial plexus block in a patient with multiple glomangiomas. *Reg Anesth Pain Med* **2008**; 33:70-3.

Eric Dufour, Alexandre Cymerman, Gérard Nourry, Nicolas Balland, Christian Couturier, Ngai Liu, Jean-François Dreyfus, Marc Fischler: An Ultrasonographic Assessment of Nerve Stimulation-Guided Median Nerve Block at the Elbow: A Local Anesthetic Spread, Nerve Size, and Clinical Efficacy Study. *Anesth Analg* August **2010**; 111:561-567.

Fredrickson MJ, Patel A, Young S, Chinchawala S: Speed of onset of ‘corner pocket supraclavicular’ and infraclavicular ultrasound guided brachial plexus block: a randomised observer-blinded comparison. *Anesthesia* **2009**; 64:738–44.

G. McLeod: Ultrasound Guidance for Nerve Blocks: Principles and Practical Implementation Br. J. Anesth., May **2009**; 102: 724.

Getúlio Rodrigues de Oliveira Filho, Pablo Escovedo Helayel, Diogo Brüggemann da Conceição, Ivo Sebastião Garzel, Patrícia Pavei, and Maurício Sperotto Ceccon: SPECIAL ARTICLE: Learning Curves and Mathematical Models for Interventional Ultrasound Basic Skills *Anesth Analg* February **2008**; 106:568-573.

Gupta and Hopkins: principles and physics of ultrasound imaging; *Br. J. Anesth.*, November **2009**; 103: 781.

Guttman OT, Soffer RJ, Rosenblatt MA: The ultrasound-guided supraclavicular-interscalene (UGSCIS) block: a case report. *Pain Pract* **2008**; 8:62–4.

Ingham: Ultrasound-Guided Regional Anesthesia and Pain Medicine *Br. J. Anesth.*, June **2010**; 104: 789.

Jeffrey D. Swenson, Nathan Bay, Evelyn Loose, Byron Bankhead, Jennifer Davis, Timothy C. Beals, Nathaniel A. Bryan, Robert T. Burks, and Patrick E. Greis : Outpatient Management of Continuous Peripheral Nerve Catheters Placed Using Ultrasound Guidance: An Experience in 620 Patients *Anesth Analg* December **2006**; 103:1436-1443.

Jeon DG and Kim WI: Cases series: ultrasound-guided supraclavicular block in 105 patients. *Korean J Anesthesiol.* **2010**; 58:249–255.

Kant and M. Hopkins: ultrasound technology, principle and pitfalls. *Br. J. Anesth.*, May **2010**; 104: 667 – 668.

Kessler J, Schafhalter-Zoppoth I, Gray AT: An ultrasound study of the phrenic nerve in the posterior cervical triangle: implications for the interscalene brachial plexus block. *Reg Anesth Pain Med* **2008**; 33:545–50.

Koscielniak-Nielsen ZJ, Frederiksen BS, Rasmussen H, Hesselbjerg L: A comparison of ultrasound-guided supraclavicular

and infraclavicular blocks for upper extremity surgery. *Acta Anesthesiol Scand* **2009**; 53:620–6.

Liebmann O, Price D, Mills C, Gardner R, Wang R, Wilson S, Gray A: Feasibility of forearm ultrasonography-guided nerve blocks of the radial, ulnar, and median nerves for hand procedures in the emergency department. *Ann. Emerg. Med.* **2006**; 48: 558-62.

Loland VJ, Mariano ER, , Ilfeld BM: Interscalene perineural catheter placement using an ultrasound-guided posterior approach. *Reg Anesth Pain Med* **2009**; 34:60– 3.

Marhofer, W. Harrop-Griffiths, S. C. Kettner, L. Kirchmair: Fifteen years of ultrasound guidance in regional anesthesia. Part 1 *Br. J. Anesth.* **2010**; 104(5): 538-546.

Mariano ER, Afra R, Loland VJ, et al,: Continuous interscalene brachial plexus block via an ultrasound-guided posterior approach: a randomized, triple-masked, placebo-controlled study. *Anesth Analg* **2009**; 108:1688–94.

McCartney CJ, Xu D, Constantinescu C, Abbas S, Chan VW: Ultrasound examination of peripheral nerves in the forearm . *Reg Anesth Pain Med.* **2008**; Mar-Apr; 33(2):188.

Moayeri N, Bigeleisen PE, Groen GJ: Quantitative architecture of the brachial plexus and surrounding compartments, and their possible significance for plexus blocks. *Anesthesiology* **2008**; 108:299–304.

Moore, K.L., and Agur: A.M. Essential Clinical Anatomy: Third Edition. Baltimore: Lippincott Williams & Wilkins. **2007**; 434-435.

Niazi AU, Prasad A, Ramlogan R, Chan VW: Methods to ease placement of stimulating catheters during in-plane ultrasound-guided femoral nerve block. *Reg Anesth Pain Med* **2009**; 34:380–1.

Orebaugh SL, Williams BA: Brachial plexus anatomy: normal and variant. *ScientificWorldJournal*, Apr 28 **2009**;9:300-12.

Panchagnula and Columb: the physics and scientific principles behind the electrophysiology of nerve stimulation and ultrasound visualization *Br. J. Anesth.*, May **2009**; 102: 725 - 726.

Patrick Schober: Diagnostic ultrasound physics and equipment *Anesth Analg* August **2009**; 109:340-353.

Perlas A, Lobo G, Lo N, Brull R, Chan VW, Karkhanis R: Ultrasound-guided supraclavicular block: outcome of 510 consecutive cases. *Reg Anesth Pain Med* **2009**; 34:171–6.

Peter Marhofer and Vincent W. S. Chan: MEDICAL INTELLIGENCE: Ultrasound-Guided Regional Anesthesia: Current Concepts and Future Trends *Anesth Analg* May **2007**; 104:1265-1269.

Pirotte and Veyckemans: Ultrasound-guided subclavian vein cannulation in infants and children *Br. J. Anesth.*, April **2007**; 98: 509 - 514.

Plunkett AR, Brown DS, Rogers JM, Buckenmaier CC 3rd: Supraclavicular continuous peripheral nerve block in a wounded soldier: when ultrasound is the only option. *Br J Anesth* **2006**; 97:715–7.

Riazi S, Carmichael N, Awad I, Holtby RM, McCartney CJ: Effect of local anesthetic volume (20 vs 5 ml) on the efficacy and respiratory consequences of ultrasound-guided interscalene brachial plexus block. *Br J Anesth* , October **2008**; 101: 549 - 556.

Ronald S. Adler: The Use of Compact Ultrasound in Anesthesia: Friend or Foe *Anesth Analg* December **2007**; 105:1530-1532.

Sandhu NS, Capan LM: Ultrasound guided infraclavicular brachial plexus block. *BJA* 89 (2): 254-9, **2002**.

Schwemmer U, Markus CK, Greim CA, Brederlau J, Roewer N: Ultrasound-guided anesthesia of the axillary brachial plexus: efficacy of multiple injection approach. *Ultraschall Med* **2005**; 26:114–9.

Shorthouse JR, Danbury CM: Ultrasound-guided supraclavicular brachial plexus block in Klippel–Feil syndrome. *Anesthesia* **2009**; 64:693–4.

Simon Ford, Maryam Dosani, Ashley J. Robinson, G. Claire Campbell, J. Mark Ansermino, Joanne Lim, and Gillian R. Lauder: Defining the Reliability of Sonoanatomy Identification by Novices in Ultrasound-Guided Pediatric Ilioinguinal and Iliohypogastric Nerve Blockade *Anesth Analg* December **2009**;109:1793-1798.

Singh A, Kelly CE, O'Brien T, et al.: Ultrasound-guided interscalene block for shoulder arthroplasty: A prospective study of 1,333 patients. Paper #037. Presented at the 2010 Annual Meeting of the American Academy of Orthopaedic Surgeons. March 9-13, **2010**.

Sinh SK, Abrams JH, Weller RS: Ultrasound-guided interscalene needle placement produces successful anesthesia regardless of motor stimulation above or below 0.5 mA. *Anesthesia & Analgesia* **2007**; **105**: 848–52.

Soares LG, Brull R, Lai J, Chan VW. Eight ball, corner pocket: the optimal needle position for ultrasound-guided supraclavicular block. *Reg Anesth Pain Med* **2007**; 32:94–5.

Spencer S. Liu, Victor M. Zayas, Michael A. Gordon, Jonathan C. Beathe, Daniel B. Maalouf, Leonardo Paroli, Gregory A. Liguori, Jaime Ortiz, Valeria Buschiazzi, Justin Ngeow, Teena Shetty, and Jacques T. Ya Deau: REGIONAL

ANESTHESIA: A Prospective, Randomized, Controlled Trial Comparing Ultrasound Versus Nerve Stimulator Guidance for Interscalene Block for Ambulatory Shoulder Surgery for Postoperative Neurological Symptoms *Anesth Analg* July **2009**; 109:265-271.

Standring S et al.: Gray's anatomy: The anatomical basis of clinical practice, pectoral girdle, shoulder region and axilla, 37th ed. Elsevier: Churchill Livingstone; **2005**; 846-849.

Stone MB, Price DD, Wang R: Ultrasound-guided supraclavicular block for the treatment of upper extremity fractures, dislocations, and abscesses in the ED. *Am J Emerg Med* **2007**; 25:472–5.

Stuart Grant: Perioperative Diagnostic and Ultrasound Anesth *Analg* August **2008**; 107:732.

Takahara T, Hendrikse J, Yamashita T, Mali WP, Kwee TC, Imai Y, et al.: Diffusion-weighted MR neurography of the brachial plexus: feasibility study. *Radiology*, Nov **2008**; 249(2):653-60.

Terese T. Horlocker and Denise J. Wedel: Ultrasound-Guided Regional Anesthesia: In Search of the Holy Grail *Anesth Analg* May **2007**; 104:1009-1011.

Tsui BC: Facilitated needle alignment. In plane to the ultrasound beam using a portable laser unit. *Regional Anesthesia and Pain Medicine* **2007**; 32: 84–8.

Tsui BC, Doyle K, Chu K, Pillay J, Dillane D: ultrasound-guided supraclavicular block using a curvilinear probe in 104 day-case hand surgery patients. *Can J Anesth* **2009**; 56:46–51.

Twomey C, Tsui BC, Finucane BT: Visualization of the brachial plexus in the supraclavicular region using a curved ultrasound probe

with a sterile transparent dressing. *Reg Anesth Pain Med* **2006**; 31:182–4.

VadeBoncouer TR, Weinberg GL, Oswald S, Angelov F: Early detection of intravascular injection during ultrasound-guided supraclavicular brachial plexus block. *Reg Anesth Pain Med* **2008**; 33:278–9.

Van Geffen GJ, Rettig HC, Koornwinder T, Renes S, Gielen MJ: Ultrasound-guided training in the performance of brachial plexus block by the posterior approach: an observational study. *Anesthesia* **2007**; 62:1024–8.

Zetlaoui PJ, Labbe JP, Benhamou D: Ultrasound guidance for axillary plexus block does not prevent intravascular injection. *Anesthesiology* **2008**; 108:761.

Zhang Z, Song L, Meng Q, Li Z, Luo B, Pei Z, et al,: Segmented echo planar MR imaging of the brachial plexus with inversion recovery magnetization preparation at 3.0T. *J Magn Reson Imaging*, Aug **2008**; 28(2):440-4.