

DAFTAR PUSTAKA

1. Verma V, Vishwakarma R.K, Nath D.C, Khan T.A, Prakash R, Abid O. Prevalence and determinants of caesarean section in south and south-east asian women. *PLoS ONE*. 2020;15(3):e0229906.
2. Roofthoof E, Joshi G.P, Rawal N, Van de Velde M. PROSPECT guideline for elective caesarean section: updated systematic review and procedure-specific postoperative pain management recommendations. *Anaesthesia*. 2021;76:665-80.
3. Jadon A, Jain P, Chakraborty S, Motaka M, Parida S.S, Sinha N, Agrawal A, Pati A.K. Role of ultrasound guided transversus abdominis plane block as a component of multimodal analgesic regimen for lower segment caesarean section: a randomized double blind clinical study. *BMC Anesth*. 2018;18:53.
4. Fusco P, Cofini V, Petrucci E, dkk. Transversus abdominis plane block in the management of acute postoperative pain syndrome after caesarean section: a randomized controlled clinical trial. *Pain Phys*. 2016;19:583-91.
5. Kupiec A, Zwierzchowski J, Kowal-Janicka J, dkk. The analgesic efficiency of transversus abdominis plane (TAP) block after caesarean section. *Gin Polska*. 2018;89:420-3.
6. Kakade A, Wagh G. Evaluate the feasibility of surgical transversus abdominis plane block for postoperative analgesia after cesarean section. *J Obstet Gynecol India*. 2019;69:330-3.
7. Erdogan D, Yildirim A, Karadogan F, dkk. Ultrasound-guided transversus abdominis plane block in patients undergoing open inguinal hernia repair: 0,125% bupivacaine provides similar analgesic effect compared to 0,25% bupivacaine. *J Clin Anesth*. 2016 Feb;28:41-6.
8. Ng S.C, Habib A.S, Sodha S, Carvalho B, Sultan P. High-dose versus low-dose local anaesthetic for transversus abdominis plane block post-caesarean delivery analgesia: a meta-analysis. *BJA*. 2018;120(2):252-63.
9. Sprouse-Blum AS, Smith G, Sugai D, Don Parsa F. Understanding endorphins and their importance in pain management. *Hawaii Med J*. 2010 Mar;69:70-1.
10. Seger RW, Sumartono C, Wardhani P, Aditiawarman. The effect between transverse abdominis plane block and quadratus lumborum block on endorfin beta levels and pain scales in post caesarean section patients. *Jurnal Widya Medika*. 2020 Oct;6(2):82-94.

11. Matejec, R, Ruwoldt, R. Release of beta-endorphin immunoreactive material under perioperative conditions into blood or cerebrospinal fluid: significance for post-operative pain?. *Anesth Analg*. 2003;96(2):481-6.
12. Norwitz. At a Glance Obstetri dan Ginekologi.Edisi 2. Jakarta : Erlangga. 2008;p.50-8.
13. IASP's proposed new difinition of pain release for comment. International Association for the study of pain. 2019. [Diunduh 8 Juli 2021]. tersedia dari <https://www.iasp-pain.org/PublicationsNews/NewsDetail.aspx?ItemNumber=10475>.
14. Rasa SN, Carr BD, Cohen M, Finnerup NB, Flor H, Gibson S, dkk. The revised internation association for the study of pain definition of pain: concepts, challenges, and compromises. *Pain*. 2020;161(9);1976-82.
15. Waldman SD. Functional anatomy of the nociceptors. Philadelphia: Elsevier Saunders; 2009. p.187-9.
16. Richebe P, dkk. Persistent postsurgical pain: pathophysiology and preventative pharmacologic considerations. *Anesthesiology*. 2018 September;129:590-607.
17. Sullivan D, Lyons M, Montgomery R, et al. Exploring Opioid-Sparing Multimodal Analgesia Options in Trauma: A Nursing Perspective. *Journal of Trauma Nursing* 2016; 23: 361–375.
18. Tanra AH, Rehatta NM, Musba AMT. Penatalaksanaan nyeri. Makassar: Departemen Anestesi, Terapi Intensif, dan Manajemen Nyeri Fakultas Kedokteran Universitas Hasanuddin. 2013;p.44-9.
19. Urch C. Normal Pain Transmission. *Rev Pain*. 2007 Aug;1(1):2-6.
20. Levy N, Mills P, Rockett M. Post-surgical pain management: time for a paradigm shift. *BJA*. 2019;123(2):182-6.
21. Elvir-Lazo OL, White PF. Postoperative pain management after ambulatory surgery: role of multimodal analgesia. *Anesthesiol Clin*. 2010 Jun;28(2):217-24.
22. Vanderah TW. Pathophysiology of pain. *Med Clin N Am*. 2007;91:1-12.
23. Fillingim RB. Pain measurement in humans. In : Holcroft A, Jaggat S, editors. Core topics in pain. Cambridge University New York:IASP Press. 2001; p.71-7.
24. Jensen MP, Chen C, Brugger AM. Interpretation of visual analog scale ratings and change scores : a reanalysis of two clinical trial of postoperative pain. *J Pain*. 2003;4(7):401-7.

25. McDonnell JG, Donnell B, Curley G, Heffernan A, Power C, Laffey JG. The analgesic efficacy of transversus abdominis plane blok after abdominal surgery: a prospective randomized controlled trial. *Anesth Analg*. 2007;104(1):193-7.
26. Mukhtar K. Transversus abdominis plane (TAP) block. *NYSORA*. 2009;12:28-33.
27. Tsai HC, Yoshida T, Chuang TY, Yang SF, Chang CC, Yao HY, Tai YT, Lin JA, Chen KY. Transversus abdominis plane blok: an updated review of anatomy and techniques. *Biomed Res Int*. 2017;vol. 2017,Article ID 8284363,12 pages.
28. Maheshwari K, Naguib MA. Local anesthetics. In: Flood P, Rathmell JP, Shafer S. *Stoelting's pharmacology & physiology in anesthetic practice*, edisi 5. Wolters Kluwer : Philadelphia. 2015;p.282-308.
29. Butterworth JF, Mackey DC, Wasnick JD. Local anesthetics. *Morgan & Mikhail's Clinical anesthesiology*, edisi 6. McGraw Hill : New York. 2018;p.452-68.
30. Mousa S, Shakibaei M, Sitte N, Schäfer M, Stein C. Subcellular pathways of beta-endorfin synthesis, processing, and release from immunocytes in inflammatory pain. *Endocrinology*. 2004;145(3):1331-41.
31. Calogero A, Gallucci W, Gold P, Chrousos G. Multiple feedback regulatory loops upon rat hypothalamic corticotropin-releasing hormone secretion. *J Clin Invest*. 1988;82:767-74.
32. Miller R. *Miller's Anesthesia*, edisi 6. Pennsylvania: Elsevier. 2005;p.382-6.
33. Janicki PK, Erskine R, van der Watt ML. Plasma concentrations of immunoreactive beta-endorfin and substance P in patients undergoing surgery under general vs. spinal anaesthesia. *Horm Metab Res*. 1993;25:131-3.
34. Wassef M, Lee DY, Levine JL, Ross RE, Guend H, Vandepitte C, Hadzic A, Teixeira J. Feasibility and analgesic efficacy of the transversus abdominis plane block after single-port laparoscopy in patients having bariatric surgery. *J Pain Res*. 2013 Nov 27;6:837-41.
35. Abdallah FW, Chan VW, Brull R. Transversus abdominis plane blok: a systematic review. *Reg Anesth Pain Med*. 2012;37:193-209.
36. Ghiringelli JP, Lacassie H. Anesthesia and breastfeeding. *Colomb J Anesthesiol*. 2022;50:e1031.
37. Loane H, Preston R, Douglas MJ, Massey S, Papsdorf M, Tyler J. A randomized controlled trial comparing intrathecal morfine with transversus abdominis plane blok for post-caesarean delivery analgesia. *Int J Obs Anesth*.2012;21:112-18.

38. Kanazi GE, Aouad MT, Abdallah FW, dkk. The analgesic efficacy of subarachnoid morfine in comparison with ultrasound-guided transversus abdominis plane block after caesarean delivery: a randomized controlled trial. *Anesth Analg.*2010;111:475-81.
39. Kwikiriza, A., Kiwanuka, J.K., Firth, P.G., Hoeft, M.A., Modest, V.E. and Ttendo, S.S. The analgesic effects of intrathecal morfine in comparison with ultrasound-guided transversus abdominis plane block after caesarean section: a randomised controlled trial at a Ugandan regional referral hospital. *Anaesth.*2019;74:167-173.
40. Abdallah FW, Halpern SH, Margarido CB. Transversus abdominis plane block for postoperative analgesia after Caesarean delivery performed under spinal anaesthesia? A systematic review and meta-analysis. *Br J Anaesth.*2012;109(5):679-87.
41. Dalimunthe SSM, Nasution AM, Bisoño L. Perbedaan efektivitas transverse abdominis plane (TAP) blok dengan local infiltrasi analgesia menggunakan levobupivacain 0,25% sebagai multimodal analgesia pada pasien paska seksio sesarea dengan spinal anestesi. 2020. Repositori USU. <http://repositori.usu.ac.id/handle/123456789/29000> (Diakses 18 Oktober 2022).

LAMPIRAN



KEMENTERIAN PENDIDIKAN, KEBUDAYAAN, RISET DAN TEKNOLOGI
UNIVERSITAS HASANUDDIN FAKULTAS KEDOKTERAN
KOMITE ETIK PENELITIAN UNIVERSITAS HASANUDDIN
RSPTN UNIVERSITAS HASANUDDIN
RSUP Dr. WAHIDIN SUDIROHUSODO MAKASSAR
Sekretariat : Lantai 2 Gedung Laboratorium Terpadu
JL.PERINTIS KEMERDEKAAN KAMPUS TAMALANREA KM.10 MAKASSAR 90245.



Contact Person: dr. Agussalim Bukhari.,MMed,PhD, SpGK TELP. 081241850858, 0411 5780103, Fax : 0411-581431

REKOMENDASI PERSETUJUAN ETIK

Nomor : 383/UN4.6.4.5.31/ PP36/ 2022

Tanggal: 29 Juli 2022

Dengan ini Menyatakan bahwa Protokol dan Dokumen yang Berhubungan Dengan Protokol berikut ini telah mendapatkan Persetujuan Etik :

No Protokol	UH22060293	No Sponsor Protokol	
Peneliti Utama	dr. Lienardy Prawira	Sponsor	
Judul Peneliti	Pengaruh Perbedaan Konsentrasi Levobupivacain Isobarik 0,125% dan 0,25% pada Transverse Abdominis Plane Blok Terhadap Intensitas Nyeri dan Kadar Beta Endorphin pada Pasien Post Seksio Sesaria		
No Versi Protokol	2	Tanggal Versi	26 Juli 2022
No Versi PSP	2	Tanggal Versi	26 Juli 2022
Tempat Penelitian	RSUP Dr. Wahidin Sudirohusodo Makassar		
Jenis Review	<input type="checkbox"/> Exempted <input type="checkbox"/> Expedited <input checked="" type="checkbox"/> Fullboard Tanggal 19 Juli 2022	Masa Berlaku 29 Juli 2022 sampai 29 Juli 2023	Frekuensi review lanjutan
Ketua KEP Universitas Hasanuddin	Nama Prof.Dr.dr. Suryani As'ad, M.Sc.,Sp.GK (K)	Tanda tangan	
Sekretaris KEP Universitas Hasanuddin	Nama dr. Agussalim Bukhari, M.Med.,Ph.D.,Sp.GK (K)	Tanda tangan	

Kewajiban Peneliti Utama:

- Menyerahkan Amandemen Protokol untuk persetujuan sebelum di implementasikan
- Menyerahkan Laporan SAE ke Komisi Etik dalam 24 Jam dan dilengkapi dalam 7 hari dan Lapor SUSAR dalam 72 Jam setelah Peneliti Utama menerima laporan
- Menyerahkan Laporan Kemajuan (progress report) setiap 6 bulan untuk penelitian resiko tinggi dan setiap setahun untuk penelitian resiko rendah
- Menyerahkan laporan akhir setelah Penelitian berakhir
- Melaporkan penyimpangan dari prokol yang disetujui (protocol deviation / violation)
- Mematuhi semua peraturan yang ditentukan