



Ahern, T.L., Herring, A.A., Anderson, E.S., Madia, V.A., Fahimi, J. & Frazee, B.W. 2015a. The first 500: initial experience with widespread use of low-dose ketamine for acute pain management in the ED. *The American Journal of Emergency Medicine*. [Online] 33 (2), 197–201. Available from: doi:10.1016/j.ajem.2014.11.010.

Ahern, T.L., Herring, A.A., Miller, S. & Frazee, B.W. 2015b. Low-Dose Ketamine Infusion for Emergency Department Patients with Severe Pain: Low-Dose Ketamine Infusion in Emergency Department. *Pain Medicine*. [Online] 16 (7), 1402–1409. Available from: doi:10.1111/pme.12705.

Allen, C.A. & Ivester, J.R. 2018. Low-Dose Ketamine for Postoperative Pain Management. *Journal of PeriAnesthesia Nursing*. [Online] 33 (4), 389–398. Available from: doi:10.1016/j.jopan.2016.12.009.

Anekar, A.A. & Cascella, M. 2021. WHO analgesic ladder. In: *StatPearls [Internet]*. StatPearls Publishing. p.

Anon 2014. *Anesthesiologist's Manual of Surgical Procedures (5th Edition)*. LWW (PE).

Bell, R.F. & Kalso, E.A. 2018. Ketamine for pain management: *PAIN Reports*. [Online] 3 (5), e674. Available from: doi:10.1097/PR9.0000000000000674.

Cepeda, M.S., Carr, D.B., Miranda, N., Diaz, A., Silva, C. & Morales, O. 2005. Comparison of morphine, ketorolac, and their combination for postoperative pain: results from a large, randomized, double-blind trial. *The Journal of the American Society of Anesthesiologists*. 103 (6), 1225–1232.

Das, S., Mitra, K. & Mandal, M. 2016. Sample size calculation: Basic principles. *Indian Journal of Anaesthesia*. 60 (9), 652.

van Dijk, J.F.M., van Wijck, A.J.M., Kappen, T.H., Peelen, L.M., Kalkman, C.J. & Schuurmans, M.J. 2012. Postoperative pain assessment based on numeric ratings is not the same for patients and professionals: A cross-sectional study. *International Journal of Nursing Studies*. [Online] 49 (1), 65–71. Available from: doi:10.1016/j.ijnurstu.2011.07.009.

D'Mello, R. & Dickenson, A.H. 2008. Spinal cord mechanisms of pain. *British Journal of Anaesthesia*. [Online] 101 (1), 8–16. Available from: doi:10.1093/bja/aen088.

Elliott, J.A. & Smith, H.S. 2011. *Handbook of acute pain management*. New York (N.Y.); London, Informa Healthcare.

Gan, T.J. 2006. Risk factors for postoperative nausea and vomiting. *Anesthesia & Analgesia*. 102 (6), 1884–1898.

Gautam Das & Gurumoorthi 2017. *Basic of Pain Management*. 1. 1st edition.

Gerbershagen, H.J., Rothaug, J., Kalkman, C.J. & Meissner, W. 2011. Determination of moderate-to-severe postoperative pain on the numeric rating scale: a cut-off point analysis



PERBANDINGAN EFEK ANALGESIA KETAMIN INTRAVENA 0,3 MILIGRAM/KILOGRAM BERAT BADAN PER JAM DAN FENTANIL INTRAVENA 0,3 MICROGRAM/KILOGRAM BERAT BADAN PER JAM SEBAGAI ANALGETIK POST OPERASI PADA OPERASI DENGAN NYERI SEDANG

UNIVERSITAS GADJAH MADA PAMILNGKAS HARY S. pembimbing materi: Dr. Ratih Kumala Faiz Apsari, Sp. An, M.Sc, KAO; pembimbing metode: applying four different methods. *British Journal of Anaesthesia*. *Tommel* 107 (4), 619–626. Universitas Gadjah Mada, 2023 | Diunduh dari <http://etd.repository.ugm.ac.id/>. Available from: doi:10.1093/bja/aer195.

Gorlin, A., Rosenfeld, D. & Ramakrishna, H. 2016. Intravenous sub-anesthetic ketamine for perioperative analgesia. *Journal of Anaesthesiology Clinical Pharmacology*. [Online] 32 (2), 160. Available from: doi:10.4103/0970-9185.182085.

Guillou, N., Tanguy, M., Seguin, P., Branger, B., Campion, J.-P. & Mallard, Y. 2003. The Effects of Small-Dose Ketamine on Morphine Consumption in Surgical Intensive Care Unit Patients After Major Abdominal Surgery: *Anesthesia & Analgesia*. [Online] 843–847. Available from: doi:10.1213/01.ANE.0000075837.67275.36.

HADZIC'S, T.O.R.A. n.d. *HADZIC'S TEXTBOOK OF REGIONAL ANESTHESIA AND ACUTE PAIN MANAGEMENT Hadzic_FM_i-xxviii. indd 1 24/02/17 4: 31 PM*.

Ip, H.Y.V., Abrishami, A., Peng, P.W., Wong, J. & Chung, F. 2009. Predictors of postoperative pain and analgesic consumption: a qualitative systematic review. *The Journal of the American Society of Anesthesiologists*. 111 (3), 657–677.

John F. Butterworth et al. 2018. *Morgan and Mikhail's Clinical Anesthesiology*. 6.

Joshi, G.P. 2005. Multimodal analgesia techniques and postoperative rehabilitation. *Anesthesiology Clinics of North America*. 23 (1), 185–202.

Kim, N.-S., Kang, K.S., Yoo, S.H., Chung, J.H., Chung, J.-W., Seo, Y., et al. 2015. A comparison of oxycodone and fentanyl in intravenous patient-controlled analgesia after laparoscopic hysterectomy. *Korean Journal of Anesthesiology*. [Online] 68 (3), 261. Available from: doi:10.4097/kjae.2015.68.3.261.

Långsjö, J.W., Kaisti, K.K., Aalto, S., Hinkka, S., Aantaa, R., Oikonen, V., et al. 2003. Effects of subanesthetic doses of ketamine on regional cerebral blood flow, oxygen consumption, and blood volume in humans. *The Journal of the American Society of Anesthesiologists*. 99 (3), 614–623.

Lazaridou, A., Elbaridi, N., Edwards, R.R. & Berde, C.B. 2018. Pain Assessment. In: *Essentials of Pain Medicine*. [Online]. Elsevier. pp. 39-46.e1. Available from: doi:10.1016/B978-0-323-40196-8.00005-X [Accessed 27 December 2021].

Leung, L. 2012. Viewpoint: From ladder to platform: a new concept for pain management. *Journal of Primary Health Care*. [Online] 4 (3), 254. Available from: doi:10.1071/HC12258.

mahmud, Sri Rahardjo, calcarina & yudiyanta 2019. *Buku Panduan Pelayanan Nyeri RSUP dr Sardjito*.

Michael A. Gropper 2020. *Miller's Anesthesia 9th edition*.

Miller, J.P., Schauer, S.G., Ganem, V.J. & Bebarta, V.S. 2015. Low-dose ketamine vs morphine for acute pain in the ED: a randomized controlled trial. *The American Journal of Emergency Medicine*. [Online] 33 (3), 402–408. Available from: doi:10.1016/j.ajem.2014.12.058.



PERBANDINGAN EFEK ANALGESIA KETAMIN INTRAVENA 0,3 MILIGRAM/KILOGRAM BERAT BADAN PER JAM DAN FENTANIL INTRAVENA 0,3 MICROGRAM/KILOGRAM BERAT BADAN PER JAM SEBAGAI ANALGETIK POST OPERASI PADA OPERASI DENGAN NYERI SEDANG

UNIVERSITAS

GADJAH MADA

RAMUNGKAS HARY S, pembimbing materi: Dr. Ratih Kumala Faiz Ansari Sp. An M.Sc. KAO ; pembimbing metode: Myles, P.S., Myles, D., B. Gallagher, W., Boyd, D., Chew, C., MacDonald, N., et al. 2017. Measuring acute postoperative pain using the visual analog scale: the minimal clinically important difference and patient acceptable symptom state. *BJA: British Journal of Anaesthesia*. 118 (3), 424–429.

Pourmand, A., Mazer-Amirshahi, M., Royall, C., Alhawas, R. & Shesser, R. 2017. Low dose ketamine use in the emergency department, a new direction in pain management. *The American Journal of Emergency Medicine*. [Online] 35 (6), 918–921. Available from: doi:10.1016/j.ajem.2017.03.005.

Schug, S.A., Palmer, G.M., Scott, D.A., Halliwell, R. & Trinca, J. 2016. Acute pain management: scientific evidence, fourth edition, 2015. *Medical Journal of Australia*. [Online] 204 (8), 315–317. Available from: doi:10.5694/mja16.00133.

Schwenk, E.S., Viscusi, E.R., Buvanendran, A., Hurley, R.W., Wasan, A.D., Narouze, S., et al. 2018. Consensus Guidelines on the Use of Intravenous Ketamine Infusions for Acute Pain Management From the American Society of Regional Anesthesia and Pain Medicine, the American Academy of Pain Medicine, and the American Society of Anesthesiologists: *Regional Anesthesia and Pain Medicine*. [Online] 1. Available from: doi:10.1097/AAP.0000000000000806.

Sigtermans, M., Dahan, A., Mooren, R., Bauer, M., Kest, B., Sarton, E., et al. 2009. S (+)-ketamine effect on experimental pain and cardiac output: a population pharmacokinetic-pharmacodynamic modeling study in healthy volunteers. *The Journal of the American Society of Anesthesiologists*. 111 (4), 892–903.

Song, J.W., Shim, J.K., Song, Y., Yang, S.Y., Park, S.J. & Kwak, Y.L. 2013. Effect of ketamine as an adjunct to intravenous patient-controlled analgesia, in patients at high risk of postoperative nausea and vomiting undergoing lumbar spinal surgery. *British journal of anaesthesia*. 111 (4), 630–635.

Peter S. Staats & Mark S. Wallace (eds.) 2015. *Pain medicine and management: just the facts*. Second edition. New York, McGraw-Hill Education.

Thorp, A.W., Brown, L. & Green, S.M. 2009. Ketamine-associated vomiting: is it dose-related? *Pediatric emergency care*. 25 (1), 15–18.

Venkatraman, R., Pushparani, A., Balaji, R. & Nandhini, P. 2021. Comparison of low dose intravenous fentanyl and morphine infusion for postoperative analgesia in spine fusion surgeries – a randomized control trial. *Brazilian Journal of Anesthesiology (English Edition)*. [Online] 71 (4), 339–344. Available from: doi:10.1016/j.bjane.2020.12.013.