UNIVERSITAS
GADJAH MADA
**Pengaruh Adverse Drug Reaction pada Pasien Dengan Penggunaan Ventilasi Mekanik dan Kombinasi
Fentanil-Midazolam terhadap Length of Stay di Ruang ICU**
Windy Septiyanti, Prof. Dr. apt. Ika Puspita Sari, S.Si., M.Si.; Prof. Dr. apt. Tri Murti Andayani, Sp.FRS.
Universitas Gadjah Mada, 2024 | Diunduh dari http://etd.repository.ugm.ac.id/

DAFTAR PUSTAKA

Ahmed, S.A., Selim, A., Hawash, N., Tawfik, A.K., Yousef, M., Kobtan, A., dkk., 2017. Randomized Controlled Study Comparing Use of Propofol Plus Fentanyl versus Midazolam Plus Fentanyl as Sedation in Diagnostic Endoscopy in Patients with Advanced Liver Disease. *International Journal of Hepatology*, **2017**: e8462756.

Alsaad, S., Addweesh, A., Beyari, M., Alkhateb, M., Alswat, A., Alshabnan, A., dkk., 2022. Comorbidities associated with risk of ICU admission in elderly patients with COVID-19: Data from academic hospital in Saudi Arabia. *Medicine*, **101**: e30799.

Bellolio, M.F., Gilani, W.I., Barrionuevo, P., Murad, M.H., Erwin, P.J., Anderson, J.R., dkk., 2016. Incidence of Adverse Events in Adults Undergoing Procedural Sedation in the Emergency Department: A Systematic Review and Meta-analysis. *Academic Emergency Medicine*, **23**: 119–134.

Brabete, A.C., Greaves, L., Maximos, M., Huber, E., Li, A., dan Lê, M.-L., 2022. A Sex- and Gender-Based Analysis of Adverse Drug Reactions: A Scoping Review of Pharmacovigilance Databases. *Pharmaceuticals*, **15**: 298.

Coleman, J.J. dan Pontefract, S.K., 2016. Adverse drug reactions. *Clinical Medicine*, **16**: 481–485.

Couper, F.J., 2016. Substance Misuse: Sedatives, dalam: Payne-James, J. dan Byard, R.W. (Editor), *Encyclopedia of Forensic and Legal Medicine (Second Edition)*. Elsevier, Oxford, hal. 418–421.

Darden, D.B., Moore, F.A., Brakenridge, S.C., Navarro, E.B., Anton, S.D., Leeuwenburgh, C., dkk., 2021. The Effect of Aging Physiology on Critical Care. *Critical care clinics*, **37**: 135–150.

Devlin, J.W., Skrobik, Y., Gélinas, C., Needham, D.M., Slooter, A.J.C., Pandharipande, P.P., dkk., 2018. Clinical Practice Guidelines for the Prevention and Management of Pain, Agitation/Sedation, Delirium, Immobility, and Sleep Disruption in Adult Patients in the ICU. *Critical Care Medicine*, **46**: e825–e873.

Ersulo, T.A., Yizengaw, M.A., dan Tesfaye, B.T., 2022. Incidence of adverse drug events in patients hospitalized in the medical wards of a teaching referral hospital in Ethiopia: a prospective observational study. *BMC Pharmacology and Toxicology*, **23**: 30.

UNIVERSITAS
GADJAH MADA
**Pengaruh Adverse Drug Reaction pada Pasien Dengan Penggunaan Ventilasi Mekanik dan Kombinasi
Fentanil-Midazolam terhadap Length of Stay di Ruang ICU**
Windy Septiyanti, Prof. Dr. apt. Ika Puspita Sari, S.Si., M.Si.; Prof. Dr. apt. Tri Murti Andayani, Sp.FRS.
Universitas Gadjah Mada, 2024 | Diunduh dari http://etd.repository.ugm.ac.id/

Farajzadeh, M., Nasrollahi, E., Bahramvand, Y., Mohammadkarimi, V., Dalfardi, B., dan Anushiravani, A., 2021. The Use of APACHE II Scoring System for Predicting Clinical Outcome of Patients Admitted to the Intensive Care Unit: A Report From a Resource-Limited Center. *Shiraz E-Medical Journal*, **22**: .

Fasipe, O.J., Akhideno, P.E., dan Owhin, O.S., 2019. The observed effect of adverse drug reactions on the length of hospital stay among medical inpatients in a Nigerian University Teaching Hospital. *Toxicology Research and Application*, **3**: 2397847319850451.

Gertler, R., Brown, H.C., Mitchell, D.H., dan Silvius, E.N., 2001. Dexmedetomidine: a novel sedative-analgesic agent. *Proceedings (Baylor University. Medical Center)*, **14**: 13–21.

Grant, M.J.C., Scoppettuolo, L.A., Wypij, D., Curley, M.A.Q., dan RESTORE Investigative Team, 2012. Prospective evaluation of sedation-related adverse events in pediatric patients ventilated for acute respiratory failure. *Critical Care Medicine*, **40**: 1317–1323.

Green, R.S., Butler, M.B., Campbell, S.G., dan Erdogan, M., 2015. Adverse events and outcomes of procedural sedation and analgesia in major trauma patients. *Journal of Emergencies, Trauma, and Shock*, **8**: 210–215.

Hickey, S.M. dan Giwa, A.O., 2023. Mechanical Ventilation, dalam: *StatPearls*. StatPearls Publishing, Treasure Island (FL).

Homfray, G., Palmer, A., Grimsmo-Powney, H., Appelboam, A., dan Lloyd, G., 2018. Procedural sedation of elderly patients by emergency physicians: a safety analysis of 740 patients. *British Journal of Anaesthesia*, **121**: 1236–1241.

Horn, C.C., Wallisch, W.J., Homanics, G.E., dan Williams, J.P., 2014. Pathophysiological and neurochemical mechanisms of postoperative nausea and vomiting. *European journal of pharmacology*, **722**: 55–66.

Ito, K., Izumi, N., Funayama, S., Nohno, K., Katsura, K., Kaneko, N., dkk., 2023. Characteristics of medication-induced xerostomia and effect of treatment. *PLOS ONE*, **18**: e0280224.

Jiang, H., Lin, Y., Ren, W., Fang, Z., Liu, Y., Tan, X., dkk., 2022. Adverse drug reactions and correlations with drug–drug interactions: A retrospective study of reports from 2011 to 2020. *Frontiers in Pharmacology*, **13**:

UNIVERSITAS
GADJAH MADA
**Pengaruh Adverse Drug Reaction pada Pasien Dengan Penggunaan Ventilasi Mekanik dan Kombinasi
Fentanil-Midazolam terhadap Length of Stay di Ruang ICU**
Windy Septiyanti, Prof. Dr. apt. Ika Puspita Sari, S.Si., M.Si.; Prof. Dr. apt. Tri Murti Andayani, Sp.FRS.
Universitas Gadjah Mada, 2024 | Diunduh dari http://etd.repository.ugm.ac.id/

Jones, M.R., Karamnov, S., dan Urman, R.D., 2018. Characteristics of Reported Adverse Events During Moderate Procedural Sedation: An Update. *Joint Commission Journal on Quality and Patient Safety*, **44**: 651–662.

Joseph, N., Rakshitha, S.M., Partunor, D.S., Bhayani, N.B., Tejas, S.D., dan Mujawar, S.M., 2020. Assessment of Adverse Drug Reactions, Severity, Preventability Status, and Its Determinants among Inpatients in Tertiary Care Hospitals in South India. *Journal of Pharmacology and Pharmacotherapeutics*, **11**: 83–85.

Kane-Gill, S.L., LeBlanc, J.M., Dasta, J.F., Devabhakthuni, S., dan Critical Care Pharmacotherapy Trials Network, 2014. A multicenter study of the point prevalence of drug-induced hypotension in the ICU. *Critical Care Medicine*, **42**: 2197–2203.

Kaufman, G., 2016. Adverse drug reactions: classification, susceptibility and reporting. *Nursing Standard (Royal College of Nursing (Great Britain): 1987)*, **30**: 53–63.

Lee, M.C. dan Abrahams, M., 2012. Chapter 18 - Pain and analgesics, dalam: Bennett, P.N., Brown, M.J., dan Sharma, P. (Editor), *Clinical Pharmacology (Eleventh Edition)*. Churchill Livingstone, Oxford, hal. 278–294.

Liao, P.-J., Mao, C.-T., Chen, T.-L., Deng, S.-T., dan Hsu, K.-H., 2019. Factors associated with adverse drug reaction occurrence and prognosis, and their economic impacts in older inpatients in Taiwan: a nested case–control study. *BMJ Open*, **9**: e026771.

Lisha, J., Annalakshmi, V., Maria, J., dan Padmini, D., 2017. Adverse Drug Reactions in Critical Care Settings: A Systematic Review. *Current Drug Safety*, **12**: 147–161.

López Castilla, J.D., Sánchez Fernández, N., Charlo Molina, M.T., Vázquez Florido, A., Murillo Pozo, M.A., Sánchez Ganfornina, I., dkk., 2022. Midazolam/fentanyl vs. propofol/remifentanil in immediate postoperative with short-term mechanical ventilation. *Anales de Pediatría (English Edition)*, **96**: 115–121.

Marra, A., Ely, E.W., Pandharipande, P.P., dan Patel, M.B., 2017. The ABCDEF Bundle in Critical Care. *Critical care clinics*, **33**: 225–243.

Mason, K.P., Green, S.M., Piacevoli, Q., dan International Sedation Task Force, 2012. Adverse event reporting tool to standardize the reporting and tracking of adverse events during procedural sedation: a consensus document from

UNIVERSITAS GADJAH MADA
Pengaruh Adverse Drug Reaction pada Pasien Dengan Penggunaan Ventilasi Mekanik dan Kombinasi Fentanil-Midazolam terhadap Length of Stay di Ruang ICU
Windy Septiyanti, Prof. Dr. apt. Ika Puspita Sari, S.Si., M.Si.; Prof. Dr. apt. Tri Murti Andayani, Sp.FRS.
Universitas Gadjah Mada, 2024 | Diunduh dari http://etd.repository.ugm.ac.id/

the World SIVA International Sedation Task Force. *British Journal of Anaesthesia*, **108**: 13–20.

Mattioli, T.M.F., Alanis, L.R.A., Sapelli, S. da S., de Lima, A.A.S., de Noronha, L., Rosa, E.A.R., dkk., 2016. Effects of Benzodiazepines on Acinar and Myoepithelial Cells. *Frontiers in Pharmacology*, **7**: 173.

Millizia, A., 2018. Sedasi dan Analgesia di Ruang Perawatan Intensif. *Jurnal Kedokteran Nanggroe Medika*, **1**: 89–99.

Moitra, V.K., Guerra, C., Linde-Zwirble, W.T., dan Wunsch, H., 2016. Relationship Between ICU Length of Stay and Long-term Mortality for Elderly ICU Survivors. *Critical care medicine*, **44**: 655–662.

Moore, P. dan Burkhart, K., 2017. Adverse Drug Reactions in the Intensive Care Unit, dalam: Brent, J., Burkhart, K., Dargan, P., Hatten, B., Megarbane, B., Palmer, R., dkk. (Editor), *Critical Care Toxicology: Diagnosis and Management of the Critically Poisoned Patient*. Springer International Publishing, Cham, hal. 693–739.

Muñoz Bonet, J.I., 2003. [Definitions in mechanical ventilation]. *Anales De Pediatria (Barcelona, Spain: 2003)*, **59**: 60–66.

Ngahu, R.M., Ratih Kumala F, dan Yunita Widyastuti, 2020. Perbandingan Sedasi dan Analgesia antara Midazolam-Fentanyl dan Propofol-Ketamin pada Tindakan MAC (Monitored Anesthesia Care) di RSUP DR. Sardjito. *Fakultas Kedokteran Kesehatan Masyarakat Keperawatan Universitas Gadjah Mada*, .

Ofori-Asenso, R., Zomer, E., Chin, K.L., Si, S., Markey, P., Tacey, M., dkk., 2018. Effect of Comorbidity Assessed by the Charlson Comorbidity Index on the Length of Stay, Costs and Mortality among Older Adults Hospitalised for Acute Stroke. *International Journal of Environmental Research and Public Health*, **15**: 2532.

Oh, S.K., Lee, I.O., Lim, B.G., Jeong, H., Kim, Y.S., Ji, S.G., dkk., 2019. Comparison of the Analgesic Effect of Sufentanil versus Fentanyl in Intravenous Patient-Controlled Analgesia after Total Laparoscopic Hysterectomy: A Randomized, Double-blind, Prospective Study. *International Journal of Medical Sciences*, **16**: 1439–1446.

Oh, T.-K., Kim, H.-G., dan Song, I.-A., 2022. Epidemiologic Study of Intensive Care Unit Admission in South Korea: A Nationwide Population-Based Cohort Study from 2010 to 2019. *International Journal of Environmental Research and Public Health*, **20**: 81.

UNIVERSITAS GADJAH MADA
Pengaruh Adverse Drug Reaction pada Pasien Dengan Penggunaan Ventilasi Mekanik dan Kombinasi Fentanil-Midazolam terhadap Length of Stay di Ruang ICU
Windy Septiyanti, Prof. Dr. apt. Ika Puspita Sari, S.Si., M.Si.; Prof. Dr. apt. Tri Murti Andayani, Sp.FRS.
Universitas Gadjah Mada, 2024 | Diunduh dari http://etd.repository.ugm.ac.id/

Park, S., In, Y., Suh, G. young, Sohn, K., dan Kim, E., 2013. Evaluation of adverse drug reactions in medical intensive care units. *European Journal of Clinical Pharmacology*, **69**: 119–131.

Patel, P., Gupta, S., Patel, H., dan Bashar, MD.A., 2022. Assessment of APACHE II Score to Predict ICU Outcomes of Patients with AKI: A Single-center Experience from Haryana, North India. *Indian Journal of Critical Care Medicine : Peer-reviewed, Official Publication of Indian Society of Critical Care Medicine*, **26**: 276–281.

Petrova, G., Stoimenova, A., Dimitrova, M., Kamusheva, M., Petrova, D., dan Georgiev, O., 2017. Assessment of the expectancy, seriousness and severity of adverse drug reactions reported for chronic obstructive pulmonary disease therapy. *SAGE Open Medicine*, **5**: 2050312117690404.

Riker, R.R., Shehabi, Y., Bokesch, P.M., Ceraso, D., Wisemandle, W., Koura, F., dkk., 2009. Dexmedetomidine vs midazolam for sedation of critically ill patients: a randomized trial. *JAMA*, **301**: 489–499.

Ronald D. Miller dan Manuel Pardo, 2011. *Basics of Anesthesia 6th Edition*. Elsevier/Saunders, Plihadelphia.

Roque, K.E., Tonini, T., dan Melo, E.C.P., 2016. Adverse events in the intensive care unit: impact on mortality and length of stay in a prospective study. *Cadernos de Saúde Pública*, **32**: e00081815.

Saito, M., Terao, Y., Fukusaki, M., Makita, T., Shibata, O., dan Sumikawa, K., 2003. Sequential use of midazolam and propofol for long-term sedation in postoperative mechanically ventilated patients. *Anesthesia and Analgesia*, **96**: 834–838.

Sengupta, D., Dube, S.K., dan Rajagopalan, V., 2020. Agitation Following Midazolam Administration: The Paradox. *Bali Journal of Anesthesiology*, **4**: S79.

Seo, B., Yang, M.-S., Park, S.-Y., Park, B.Y., Kim, J.-H., Song, W.-J., dkk., 2023. Incidence and Economic Burden of Adverse Drug Reactions in Hospitalization: A Prospective Study in Korea. *Journal of Korean Medical Science*, **38**: e56.

Sessler, C.N., Grap, M.J., dan Ramsay, M.A., 2008. Evaluating and monitoring analgesia and sedation in the intensive care unit. *Critical Care*, **12**: S2.

Shaikh, S., Raut, A., Jambhale, P., Iyer, S., dan Shah, J., 2023. Incidence and Severity of Adverse Drug Reactions in Medical Intensive Care Unit. *Current Drug Safety*, .

UNIVERSITAS
GADJAH MADA
**Pengaruh Adverse Drug Reaction pada Pasien Dengan Penggunaan Ventilasi Mekanik dan Kombinasi
Fentanil-Midazolam terhadap Length of Stay di Ruang ICU**
Windy Septiyanti, Prof. Dr. apt. Ika Puspita Sari, S.Si., M.Si.; Prof. Dr. apt. Tri Murti Andayani, Sp.FRS.
Universitas Gadjah Mada, 2024 | Diunduh dari http://etd.repository.ugm.ac.id/

Simpson, A., Puxty, K., McLoone, P., Quasim, T., Sloan, B., dan Morrison, D.S., 2021. Comorbidity and survival after admission to the intensive care unit: A population-based study of 41,230 patients. *Journal of the Intensive Care Society*, **22**: 143–151.

Sivanesan, E., Gitlin, M.C., dan Candiotti, K.A., 2016. Opioid-induced Hallucinations: A Review of the Literature, Pathophysiology, Diagnosis, and Treatment. *Anesthesia and analgesia*, **123**: 836–843.

Sudjud, R., Indriasari, dan Yulyiranita, B., 2014. Sedasi dan Analgesia di Ruang Rawat Intensif: *Majalah Anestesia & Critical Care*, **32**: 221–233.

Sultana, J., Cutroneo, P., dan Trifirò, G., 2013. Clinical and economic burden of adverse drug reactions. *Journal of Pharmacology & Pharmacotherapeutics*, **4**: S73–S77.

Takekawa, D., Endo, H., Hashiba, E., dan Hirota, K., 2022. Predict models for prolonged ICU stay using APACHE II, APACHE III and SAPS II scores: A Japanese multicenter retrospective cohort study. *PLoS ONE*, **17**: e0269737.

Tang, W., 2023. Risk Factors on the Adverse Events of Sedation for Diagnostic Tests in Pediatric: A Retrospective Case–Control Analysis. *Journal of Clinical and Medical Surgery*, **3**: .

Toh, H.J., Lim, Z.Y., Yap, P., dan Tang, T., 2017. Factors associated with prolonged length of stay in older patients. *Singapore Medical Journal*, **58**: 134–138.

Whitley, H.P. dan Lindsey, W., 2009. Sex-Based Differences in Drug Activity. *American Family Physician*, **80**: 1254–1258.

Xing, X., Gao, Y., Wang, Hai-jun, Qu, S., Huang, C., Zhang, H., dkk., 2015. Effect of sedation on short-term and long-term outcomes of critically ill patients with acute respiratory insufficiency. *World Journal of Emergency Medicine*, **6**: 147–152.

Yadesa, T.M., Kitutu, F.E., Deyno, S., Ogwang, P.E., Tamukong, R., dan Alele, P.E., 2021. Prevalence, characteristics and predicting risk factors of adverse drug reactions among hospitalized older adults: A systematic review and meta-analysis. *SAGE Open Medicine*, **9**: 20503121211039099.

Yan, Q., Sheng, B., Huang, X., Lin, K., Lin, J., dan Ye, X., 2023. Effect of different doses of midazolam combined with fentanyl during painless bronchoscopy in adults. *American Journal of Translational Research*, **15**: 563–572.