

## **BAB 5**

### **PENUTUP**

#### **5.1 Kesimpulan**

1. Para calon apoteker memahami tugas, peran, fungsi, dan tanggung jawab apoteker di rumah sakit.
2. Para calon apoteker memiliki bekal mengenai wawasan, ketrampilan, dan pengalaman untuk terjun langsung dalam melakukan pelayanan kefarmasian di rumah sakit.
3. Para calon apoteker mendapatkan gambaran nyata mengenai proses manajerial dan pelayanan klinis yang dilakukan di rumah sakit.
4. Para calon apoteker lebih siap memasuki dunia kerja sebagai tenaga farmasi yang profesional.

#### **5.2 Saran**

1. Para calon apoteker dapat mempersiapkan diri lebih baik mengenai manajerial yang dilakukan di rumah sakit.
2. Para calon apoteker dapat mempersiapkan diri lebih baik mengenai praktik yang dilakukan oleh apoteker di rumah sakit, seperti melatih kemampuan konseling, lebih mengetahui obat-obatan dan indikasinya (*drug knowledge*), dan lain-lain.
3. Para calon apoteker dapat memperbanyak bacaan mengenai tatalaksana maupun jurnal pendukung untuk penyakit yang ada di rumah sakit.

## DAFTAR PUSTAKA

- Askandar Tjokroprawiro. 2002. *Diabetes Mellitus Klasifikasi Diagnosis dan Terapi*. Edisi 3. Jakarta : PT Gramedia Pustaka Utama.
- Bundhun, P. K., Shaik, M., & Yuan, J., 2017, Choosing between Enoxaparin and Fondaparinux for the management of patients with acute coronary syndrome: A systematic review and meta-analysis. *BMC cardiovascular disorders*, 17(1): 116.
- Byrne, R. A., Rossello, X., Coughlan, J. J., et al., 2023, ESC Guidelines for the management of acute coronary syndromes. *European Heart Journal*. 44(38): 3720-3826.
- Casagrande, D., Waib, P. H. and Júnior, A. A. J. 2018. Mechanisms of action and effects of the administration of Coenzyme Q10 on metabolic syndrome. *Journal of Nutrition & Intermediary Metabolism* 13: 26-32.
- Cho, et al. 2016. The effects of 14 Versus 21 days of Nimodipine therapy on neurological outcomes in aneurysmal subarachnoid hemorrhage patients. *Annals of Pharmacotherapy*. 1-7
- Collet, J. P., Thiele, H., Barbato, E., et al., 2020, ESC Guidelines for the management of acute coronary syndromes in patients presenting without persistent ST-segment elevation. *European Heart Journal* 42: 1289-1367.
- David G. 2012. *Diabetes Council–Insulin Algorithm for Type 2 Diabetes Mellitus in Children and Adults*. University of Texas Health Science Center at San Antonio and the Diabetic foot Research Group, San Antoni, Texas.
- De Luca, L., Uguccioni, M., Natale, E., Pugliese, M., Terranova, A., Biffani, E., De Lio, L., Piazza, V., Putini, R. L., & Musumeci, F., 2021, Effectiveness of fondaparinux vs unfractionated heparin following percutaneous coronary intervention in survivors of out-of-hospital cardiac arrest due to acute myocardial infarction. *European journal of clinical pharmacology*, 77(10): 1563–1567.
- Departemen Kesehatan RI, 2009, *Pedoman Instalasi Pusat Sterilisasi (Central Sterile Supply Department/CSSD) Di Rumah Sakit*, Direktorat Jenderal Bina Pelayanan Medik : Departemen Kesehatan RI, Jakarta.
- Departemen Kesehatan RI, 2009, *Pedoman Pencampuran Obat Suntik dan Penanganan Sediaan Sitostatika*, Direktorat Bina Farmasi dan Klinik: Ditjen Kefarmasian dan Alat Kesehatan Departemen Kesehatan RI, Jakarta.

- Departemen Kesehatan RI, 2009, Undang – Undang No. 44 Tahun 2009 tentang Rumah Sakit. Kementerian Kesehatan RI, Jakarta.
- Departemen Keuangan RI, 2005, Peraturan Pemerintah Nomor 23 Tahun 2005 tentang Pengelolaan Keuangan Badan Layanan Umum, Departemen Keuangan RI, Jakarta.
- DiPiro, J. T., Schwinghammer, T. L., and Ellingrod, V. L., 2020, *Pharmacotherapy: A Pathophysiologic Approach*, 11th Edition. New York: McGraw Hill.
- DiPiro, J., Talbert, L. R., Yee, G. C., Matzke, G. R., Wells, B.G., Possey, L.M., 2008, *Pharmacotherapy A Pathophysiologic Approach*, 7th Edition, New York: McGraw Hill.
- Direktorat Pembinaan Pengelolaan Keuangan (PPK) BLU, 2013, Himpunan Peraturan Menteri Keuangan tentang Pengelolaan Keuangan BLU (Badan Layanan Umum), Kementerian Keuangan RI, Jakarta.
- Dubrovskaya, Y., Tejada, R., Bosco III, J., Stachel, A., Chen, D., Feng, M., & Phillips, M. 2015. Single high dose gentamicin for perioperative prophylaxis in orthopedic surgery: Evaluation of nephrotoxicity. *SAGE open medicine*.
- Elliott, W. J., & Ram, C. V., 2011, Calcium channel blockers. *Journal of clinical hypertension (Greenwich, Conn.)*, 13(9): 687–689.
- Furtado, R. H. M., Giugliano, R. P., Strunz, C. M. C., Filho, C. C., Ramires, J. A. F., Filho, R. K., Neto, P. A. L., Pereira, A. C., Rocha, T. R., Freire, B. T., D'Amico, E. A., & Nicolau, J. C., 2016, Drug Interaction Between Clopidogrel and Ranitidine or Omeprazole in Stable Coronary Artery Disease: A Double-Blind, Double Dummy, Randomized Study. *American journal of cardiovascular drugs : drugs, devices, and other interventions*, 16(4): 275–284.
- Hardes, A., Kakarieka, A and Braakman, R. 1996, Traumatic Subarachnoid Hemorrhage and its Treatment with Nimodipine, *Journal of Neurosurgery*, 85: 82-89.
- He, P., Liu, Y., Wei, X., Jiang, L., Guo, W., Guo, Z., Lin, C., Tan, N., & Chen, J, 2018, Comparison of enoxaparin and unfractionated heparin in patients with non-ST-segment elevation acute coronary syndrome undergoing percutaneous coronary intervention: a systematic review and meta-analysis. *Journal of thoracic disease*, 10(6): 3308–3318.
- Hilleman, D. E., Tsikouris, J. P., Seals, A. A., & Marmur, J. D., 2007, Fibrinolytic agents for the management of ST-segment elevation myocardial infarction. *Pharmacotherapy*, 27(11): 1558–1570.
- <https://profngoerahhospitalbali.com/home/2022/10/18/kegawatdaruratan-dalam-diabetes-dan-pengaruhnya-pada-operasi/>. diakses pada 24 Desember 2023.

- Irani, J.L. 2013, Perioperative Beta Blockade, *Clinics in Colon and Rectal Surgery*, 26: 160-162.
- Kementerian Kesehatan RI, 2006, Keputusan Menteri Kesehatan RI Nomor: 1045/MENKES/PER/XI/2006 tentang Pedoman Organisasi Rumah Sakit di Lingkungan Departemen Kesehatan, Kementerian Kesehatan RI, Jakarta.
- Kementerian Kesehatan RI, 2010, Keputusan Menteri Kesehatan RI Nomor: 1981/MENKES/SK/XII/2010 tentang pedoman Akuntansi Badan Layanan Umum Rumah Sakit, Kementerian Kesehatan RI, Jakarta.
- Kementerian Kesehatan RI, 2015, Peraturan Menteri Kesehatan Republik Indonesia Nomor 8 Tahun 2015 tentang Program Pengendalian Resistensi Antimikroba di Rumah Sakit, Jakarta.
- Kementerian Kesehatan RI, 2020, Peraturan Menteri Kesehatan RI Nomor 3 Tahun 2020 tentang Klasifikasi dan Perizinan Rumah Sakit, Kementerian Kesehatan RI, Jakarta.
- Kementerian Kesehatan, 2016, Peraturan Menteri Kesehatan Republik Indonesia Nomor 71 Tahun 2016 tentang Standar Pelayanan Kefarmasian Di Rumah Sakit, Jakarta.
- Kementrian Kesehatan. 2022, 'Kesehatan dan Makna Sehat', Direktorat Jendral Pelayanan Kesehatan, diakses pada tanggal 8 November 2013, [https://yankes.kemkes.go.id/view\\_artikel/119/kesehatan-dan-makna-sehat](https://yankes.kemkes.go.id/view_artikel/119/kesehatan-dan-makna-sehat).
- Knuuti, J., Wijns, W., Saraste, A., et al., 2019, ESC Guidelines for the diagnosis and management of chronic coronary syndromes. *European Heart Journal* 41: 407-477.
- Lee, Y. J., Hong, S. J., Kang, W. C., Hong, B. K., Lee, J. Y., Lee, J. B., Cho, H. J., Yoon, J., Lee, S. J., Ahn, C. M., Kim, J. S., Kim, B. K., Ko, Y. G., Choi, D., Jang, Y., Hong, M. K., & LODESTAR investigators., 2023, Rosuvastatin versus atorvastatin treatment in adults with coronary artery disease: secondary analysis of the randomised LODESTAR trial. *BMJ (Clinical research ed.)*.
- Liu, B., Zhang, R., Zhang, A., Wang, G., Xu, J., Zhang, Y., Liu, Y., & Hao, P, 2023, Effectiveness and safety of four different beta-blockers in patients with chronic heart failure. *MedComm*, 4(1).
- Liu, et al. 2021. Efficacy of nimodipine in the treatment of subarachnoid hemorrhage: a meta-analysis. *Academia Brasileira de Neurologia*. 80(7):663–670.
- Mangunatmadja, I dan Saputra, A.D. 2020, Laporan Kasus Berbasis Bukti Efektivitas Pemberian Calcium Channel Blocker pada Pendarahan Subaraknoid Akibat Trauma Kepala. 22(4): 243-251

- Medscape. <https://reference.medscape.com/drug/ondansetron-342052#4>. diakses pada 28 Desember 2023.
- Medscape. <https://reference.medscape.com/drug/prilosec-omeprazole-341997#4>. diakses pada 28 Desember 2023.
- Menteri Kesehatan RI. 2021, Pedoman Nasional Pelayanan Kedokteran Tata Laksana Hipertensi Dewasa, Jakarta: Menteri kesehatan RI.
- Menteri Kesehatan RI. 2022, Pedoman Nasional Pelayanan Kedokteran Tatalaksana Cedera Otak Traumatik, Jakarta: Menteri Kesehatan Republik Indonesia.
- Modi, N.J., Agrawal, M and Sinha, V.D. 2016, Post-Traumatic Subarachnoid Hemorrhage: A Review, *Neurology India*, 64(7): 8-13.
- Muraro,S.K., Gatto, B.E.O and Posso, I.D.P. 2009, Evaluation of Ketorolac Compared to Ketorolac Plus Dipyron in Post-Operative Analgesia of Videolaparoscopic Cholecystectomy, *Einstein*, 7(2): 190-193.
- Nagai, N., Vanlinthout, I., & Collen, D., 1999, Comparative effects of tissue plasminogen activator, streptokinase, and staphylokinase on cerebral ischemic infarction and pulmonary clot lysis in hamster models. *Circulation*, 100(25): 2541–2546.
- Pagana, K. D., Pagana, T. J. and Pagana, T. S. 2019. *Mosby's Diagnostic and Laboratory Test Reference*. 14th eds. Elsevier. United States.
- Pagana, K. D., Pagana, T. J. and Pagana, T. S. 2019. *Mosby's Diagnostic and Laboratory Test Reference*. 14th eds. Elsevier. United States.
- Partakusuma, L. G., 2014, Evaluasi tata kelola rumah sakit badan layanan umum pada 4 rumah sakit vertikal kelas A di Jawa dan Bali, *Jurnal Administrasi Kebijakan Kesehatan*, 1(1): 32 - 41.
- Perkumpulan Endokrinologi Indonesia. 2019. *Panduan pengelolaan dislipidemia di Indonesia*. Jakarta: PB Perkeni.
- Perkumpulan Endokrinologi Indonesia. 2021. *Pedoman Pengelolaan dan Pencegahan Diabetes Melitus Tipe 2 Dewasa di Indonesia*. Perkeni. Jakarta.
- Perkumpulan Endokrinologi Indonesia. 2021. *Pedoman Pengelolaan dan Pencegahan Diabetes Melitus Tipe 2 Dewasa di Indonesia*. Perkeni. Jakarta.
- Pratiwi, A., 2021. *Pedoman Petunjuk Praktis Terapi Insulin Pada Pasien Diabetes Mellitus*. Jakarta. Pb Perkeni.

- Presiden Republik Indonesia, 2021, Peraturan Pemerintah Republik Indonesia Nomor 47 Tahun 2021 tentang Penyelenggaraan Bidang Perumahsakitan, Pemerintah Republik Indonesia, Jakarta.
- Purvey, M., & Allen, G., 2017, Managing acute pulmonary oedema. *Australian prescriber*, 40(2): 59–63.
- Ramakrishna, P., Gupta, P. C., Pai, P., Rai, K., Rajkumar, M., Sahu, T., Khan, M. Y., Gaurav, K., Mane, A., Pandit, S., Jain, M., & Subramanian, A., 2022, Effectiveness and Tolerability of Fondaparinux vs Enoxaparin in a Population of Indian Patients with Symptomatic Deep Vein Thrombosis: A Retrospective Real-World Study. *Drugs - real world outcomes*, 9(1): 109–119.
- Roth, L.S. 2023, *Nursing Drug Reference*, 37 th Edition, Elsevier.
- Ryu, T. 2021. Fluid management in patients undergoing neurosurgery. *Anaesthesia Pain and Management*. 16(3): 215-224.
- Sabardiman, K., Afrizal, dan Nurmaesah, N., 2020, Evaluasi perubahan puskesmas menjadi BLUD terhadap tata pengolahan keuangan daerah, *Jurnal Proaksi*, 7(2): 194 - 212.
- Tomasevic, M., Kostic, T., Apostolovic, S., Perisic, Z., Djordjevic-Radojkovic, D., Koracevic, G., & Salinger-Martinovic, S., 2008, Comparative effect of streptokinase and alteplase on electrocardiogram and angiogram signs of myocardial reperfusion in ST segment elevation acute myocardial infarction, 136(9-10): 481–487.
- Tse, S., & Mazzola, N., 2015, Ivabradine (Corlanor) for Heart Failure: The First Selective and Specific I f Inhibitor. *P & T : a peer-reviewed journal for formulary management*, 40(12): 810–814.
- Twiner, M. J., Hennessy, J., Wein, R., & Levy, P. D., 2022, Nitroglycerin Use in the Emergency Department: Current Perspectives. *Open access emergency medicine : OAEM*, 14: 327–333.
- Vahdatpour, C., Collins, D., & Goldberg, S., 2019, Cardiogenic Shock. *Journal of the American Heart Association*, 8(8).
- Zamani, M., Namdar, B., Azizkhani, R., Ahmadi, O and Esmailian, M. 2015, Antiemetic Effects of Ondansetron and Metoclopramide in Patients with Minor Head Trauma, *Emergency*, 3(4): 137-140.
- Zimmerli, W. 2014, Clinical Presentation and Treatment of Orthopaedic Implant Associated Infection, *Journal of Internal Medicine*, 276: 111-119