

DAFTAR PUSTAKA

- American Academy of Otolaryngology-Head and Neck Surgey., 2013. *AAO-HNS Release Guideline on Sudden Hearing Loss*. American Academy of Otolaryngology-Head and Neck Surgey.
- Ahn, J.H., Yoo, M.H., Yoon, T.H., & Chung, J.W. 2008. Can Intratympanic Dexamethasone Added to Systemic Steroids Improve Hearing Outcome in Patients With Sudden Deafness? *The American Laryngological, Rhinological and Otological Society*, 118: 279-281.
- Alberti, P. W. 2016. The Anatomy and Physiology of The Ear and Hearing. *Department of Otolaryngology*, 53-62.
- Arslan, N., Oguz, H., Demirci, M., Safa, K. M. A., Islam, A., & Kaytez, S. K. 2011. Combined Intratympanic and Systemic Use of Steroids for Idiopathic Sudden Sensorineural Hearing Loss. *Otolaryngology Neurotology*, 32: 393-397.
- Atay, G., Kayahan, B., Cinar, B. C., Sarac, S., & Sennaroglu, L. 2016. Prognostic Factor in Sudden Sensorineural Hearing Loss. *Balkan Medical Journal*, 33: 87-93.
- Attanasio, G., Russo, F.Y., Di Porto, E., Cagnoni, L., Masci, E., Ralli, M., Greco, A., & De Vincentiis, M. 2018. Prediction of Hearing Recovery in Sudden Deafness Treated with Intratympanic Steroids. *Acta Otorhinolaryngologica Italia*, 38: 453-459.
- Aziz, A. A., Shetty, K. C., & Bhat, V. 2016. Clinical Evaluation of Sensorineural Hearing Loss in Diabetes Mellitus. *IOSR Journal of Dental and Medical Science*, 5(8): 51-60.
- Battaglia, A., Burchette, R., & Cueva, R. 2012. Combination Therapy (Intratympanic Dexamethasone + High-Dose Prednisone Taper) for the Treatment of Idiopathic Sudden Sensorineural Hearing Loss. *Otology & Neurotology*, 29: 453-460.
- Bayoumy, A. B., Lammet, E., & Alexander, J. 2019. Hyperbaric Oxygen Therapy vs Medical Therapy for Sudden Sensorineural Hearing Loss. *Journal of American Medical Association Otolaryngology-Head & Neck Surgery*, E1-E2.
- Bonaventura, A. & Montecucco, F. 2018. Steroid-Induced Hyperglycemia: An Underdiagnosed Problem or Clinical Inertia? A Narrative Review. *Diabetes Research and Clinical Practice*, 139: 203-220.
- Boucher, J., Kleinridders, A., & Kahn, C. R. 2014. Insulin Receptor Signaling in Normal and Insulin-Resistant States. *Cold Spring Harbor Perspective in Biology*.
- Brady, V. J., Grimes, D., Armstrong, T., & LoBiondo-Wood, G. 2014. Management of Steroid-Induced Hyperglycemia in Hospitalized

- Patients with Cancer: A Review. *Oncology Nursing Forum*, 41: E355-365.
- Chandrasekhar, S. S., Tsai, B. S., Schwartz, S. R., Bontempo, L. J., Faucett, E. A., Finestone, S. A., Hollingsworth, D. B., Kelley, D. M., Kmucha, S. T., Moonis, G., Poling, G. L., Roberts, J. K., Stachler, R. J., eitler, D. M., Corrigan, M. D., Nnacheta, L. C., & Satterfield, L. 2019. Clinical Practice Guideline : Sudden Hearing Loss (Update). *American Academy of Otolaryngology-Head and Neck Surgery Foundation*, 161: S1-S45.
- Cho, C. S. & Choi, Y. J. 2013. Prognostic Factor in Sudden Sensorineural Hearing Loss : a Retrospective Study Using Interaction Effect. *Brazilian Journal of Otorhinolaryngology*, 79(4): 466-470.
- Ciorba, A., Corazzi, V., Bianchini, C., Aimon, C., Pelucchi, S., Skarzynski, P., & Hatzopoulos, S. 2018. Autoimmune Inner Ear Disease (AIED): A Diagnostic Challenge. *International Journal of Immunopathology Pharmacology*, 32: 1-5.
- Čvorović, L., Deric, D., Probst, R., & Hegemann, S. 2013. Randomized Prospective Trial of Hyperbaric Oxygen Therapy and Intratympanic Steroid Injection as Salvage Treatment of Sudden Sensorineural Hearing Loss. *Otology & Neurotology*, 34(6): 1021-1026.
- Dallan, I., Fortunato, S., Casani, A. P., Panicucci, E., Berrettini, S., Lenzi, R., & Nacci, A. 2011. Intratympanic Methylprednisolone as First-line Therapy in Sudden Sensorineural Hearing Loss ; Preliminary Result from Case Control Series. *The Journal of Laryngology and Otology*, (125): 1004-1008.
- Dalmazi, G. D., Pagotto, U., Pasquali, R., & Vicennati, V. 2012. Glucocorticoid and Type 2 Diabetes : From Physiology to Pathology. *Journal of Nutrition and Metabolism*, 1-12.
- Delprat, B. 2016. Cochlear Fluids. *Journey Into the World Hearing*.
- Emanuel, D. C., Maroonroge, S., & Letowski, T. R. 2016. Physiology and Function of Hearing System. 307-332.
- Fujioka, M., Okano, H., & Ogawa, K. 2014. Inflammatory and Immune Responses in the Cochlea: Potential Therapeutic Target for Sensorineural Hearing Loss. *Frontiers in Pharmacology*, 5(287): 1-5.
- Filipo, R., Attanasio, G., Russo, F. Y., Viccaro, M., Mancini, P., & Covelli, E. 2013. Intratympanic Steroid Therapy in Moderate Sudden Hearing Loss: A Randomized, Triple-Blind,Placebo-Controlled Trial. *Laryngoscope*, 123(3): 774-778.
- Geer, E. B., Islam, J., & Buettner, C. 2014. Mechanisms of Glucocorticoid-Induced Insulin Resistance: Focus on Adipose Tissue Function and Lipid Metabolism. *Endocrinology Metabolism Clinics North America*, 43: 75-102.

- Gundogan, O., Pinar, E., Imre, A., Ozturkcan, S., Cokmez, O., & Yigiter, A.C. 2013. Therapeutic Efficacy of the Combination of Intratympanic Methylprednisolone and Oral Steroid for Idiopathic Sudden Deafness. *American Academy of Otolaryngology Head and Neck Surgery*, 149(5): 753-758
- Gyo, K. 2013. Experimental Study of Transient Cochlear Ischemia as A Cause of Sudden Deafness. *World Journal of Otorhinolaryngology*, 3(1): 1-15.
- Felfela, G. M. W. 2017. Ear Anatomy. *Global Journal of Otolaryngology*, 4(1): 22-39.
- Furuhashi, A., Matsuda, K., Asahi K., & Nakashima, T. 2002. Sudden Deafness: Long-Term Follow-up and Recurrence. *Clinical Otolaryngol*, 27: 458–463.
- Gabrielli, L., Bonasoni, M. P., Santini, D., Piccirilli, G., Chiereghin, A., Guerra, B., Landini, M. P., Capretti, M. G., Lanari, M., & Lazzarotto, T., 2013. Human Fetal Inner Ear Involvement in Congenital Cytomegalovirus Infection. *Acta Neuropathologica Communications*, 1(63): 1-9.
- Gibrin, P. C. D., Melo, J. J., & Marchiori, L. L. M. 2012. Prevalence of Tinnitus Complaints and Probable Association with Hearing Loss, Diabetes Mellitus and Hypertension in Elderly. *Communication Disorders Audiology Swallowing*, 25(2): 176-80.
- Han, C. S., Park, J. R., Boo, S. H., Jo, J. M., Park, K. W., Lee, W. Y., Ahn, J. G., Kang, M. K., Park, B. G., & Lee, H. 2009. Clinical Efficacy of Initial Intratympanic Steroid Treatment on Sudden Sensorineural Hearing Loss with Diabetes. *Otolaryngology—Head and Neck Surgery*, 141: 572-578.
- Harkare, V. V., Deosthale, N. V., Khadakkar, S. P., Dhoke, P. R., Dhote, K. S., & Gupta, A. 2012. SNHL in Diabetic : A Prospective Study. *People's Journal of Scientific Research*, 7(2): 38-42.
- Hasan, M.I., 2002. Pokok-Pokok Materi Metodologi Penelitian dan Aplikasinya. Jakarta: Ghalia Indonesia.
- Jagger, D. J. & Forge, A. 2014. Connexins and Gap Junctions in the Inner Ear – It’s Not Just About K⁺ Recycling. *Cell and Tissue Research*.
- Jung, S. Y., Shim, H. S., Hah, Y. M., Kim, S. H., & Yeo, S. G. 2018. Association of Metabolic Syndrome With Sudden Sensorineural Hearing Loss. *Journal of the American Medical Association*.
- Katzung, B. G. 2015. *Basic nad Clinical Pharmacology*. 11th Ed, 655-671. The Mc Graw-Hill Companies, Inc.
- Khetrapal, A. 2019. How Does the Ear Work. *News Medical Net*, 1-4.
- Kim, H. J., Lee, Y. J., Kang, H. T., Lee, S. A., Lee, J. D., & Kim, B. G. 2019. Comparison of Intratympanic, Systemic, and Combined Steroid Therapies for Sudden Sensorineural Hearing Loss in Patients with

- Diabetes Mellitus. *Korean Journal Otorhinolaryngol-Head Neck Surg*, 62(7): 379-384.
- Kitoh, R., Nishio, S. Y., & Usami, S. I. 2019. Treatment Algorithm for Idiopathic Sudden Sensorineural Hearing Loss Based on Epidemiologic Surveys of a Large Japanese Cohort. *Acta Otolaryngologica*, 1-8.
- Köpinar, Ş., Alkan, Z., Yigit, ö., Gör, A. P., Toklu, A. S., Cakir, B., Soyuyüce ö.G., & özkul, H. 2011. Factors Influencing the Outcome of Idiopathic Sudden Sensorineural Hearing Loss Treated with Hyperbaric Oxygen Therapy. *European Archives Otorhinolaryngol*, 268: 41–47.
- Kuhn, M., Ackah, S.H., Shaikh, J.A., & Roehm, P.C. 2011. Sudden Sensorineural Hearing Loss : A Review of Diagnosis. Treatment, and Prognosis. *SAGE Journals*, 15(3): 91-105.
- Kuo, T., McQueen, A., Chen, T. C., & Wang, J. C. 2015. Regulation of Glucose Homeostasis by Glucocorticoids. *Advances in Experimental Medicine and Biology*, 872: 99-126.
- Lasisi, A.O., Salako, B.L., Osowole, O., Osisanya, W.P., & Amusat, M.A. 2006. Effect Hemodialysis on the Hearing Function of Patients with Chronic Renal Failure. *African Journal of Health Sciences*, 13(3-4): 29-34.
- Leung, M. A., Flaherty, A., Zhang, J. A., Hara, J., Barber, W., & Burgess, L. 2016. Sudden Sensorineural Hearing Loss: Primary Care Update. *Hawai'i Journal of Medicine & Public Health*, 75(6): 172-174.
- Liebau, A., Pogorzelski, O., Salt, A.N., & Plontke, S.K. 2017. Hearing Changes After Intratympanically Applied Steroids for Primary Therapy of Sudden Hearing Loss: A Meta-Analysis Using Mathematical Simulations of Drug Delivery Protocols. *Otology and Neurotology*, 38(1): 19-30.
- Liu, D., Ahmet, A., Ward, L., Krishnamoorthy, P., Mandelcorn, E. D., Leigh, R., Brown, J. P., Cohen, A., & Kim, H. 2013. A Practical Guide to the Monitoring and Management of the Complications of Systemic Corticosteroid Therapy. *Allergy Asthma and Clinical Immunology*, 9(30): 1-25.
- Liu, X. X., Zhu, X. M., Miao, Q., Ye, H. Y., Zhang, Z. Y., & Li, Y. M. 2014. Hyperglycemia Induced by Glucocorticoids in Nondiabetic Patients: A Meta-Analysis. *Annals of Nutrition and Metabolism*, 65: 324-332.
- Liu, X., Li, M., Smyth, H., & Zhang, F. 2018. Otic Drug Delivery Systems: Formulation Principles and Recent Developments.
- Lucente, F. E., Har-El, G., Goldsmith, A. J., Sperling, N. M., & Turk, J. B. *Ilmu THT-KL Esensial, Ed. 5*. 2011. Diterjemahkan oleh Hartanto, H., Suyono, J., Matahari., Diani, A., Kosasih, A.A., Mahanani, D.A. Penerbit Buku Kedokteran EGC : Jakarta.

- Malucelli, D. A., Malucelli, F. J., Fonseca, V. R., Zeigeboim, B., Ribas, A., de Trotta, F., & de Silva, T. P. 2012. Hearing Loss Prevalence in Patients with Diabetes Mellitus Type 1. *Brazil Journal Otorhinolaryngol*, 78(3): 105-115.
- Marx, M., Younes, E., Chandrasekhar, S. S., Ito, J., Plontke, S., O'Leary, S., & Sterkers, O. 2017. International Consensus (ICON) on Treatment of Sudden Sensorineural Hearing Loss. *European Annals of Otorhinolaryngology, Head and Neck Diseases*, 737: 1-6.
- Mijovic, T., Zeitouni, A., & Colmegna, I. 2013. Autoimmune Sensorineural Hearing Loss : The Otology Rheumatology Interface. *Rheumatology Oxford Journal*, 52: 780-789.
- Nishio, N., Teranishi, N., Uchida, Y., Sugiura, S., Ando, F., Shimokata, H., Sone, M., Otake, H., Kato, K., Yoshida, T., Tagaya, M., Hibi, T., & Nakashima, T. 2012. Contribution of Complement Factor H Y402H Polymorphism to Sudden Sensorineural Hearing Loss Risk and Possible Interaction with Diabetes. *Gene Journal*, 499: 226–230.
- Novita, S. & Yuwono, N. 2013. Diagnosis dan Tata Laksana Tuli Mendadak. Ngabang. *Continuing Medical Education*, 40(11): 820-826.
- Nugroho, P. S. & Wiyadi, H. M. S. 2009. Anatomi dan Fisiologi Pendengaran Perifer. *Jurnal THT-KL*, 2(2): 76-85.
- Oiticica, J. & Bittar, R. S. M. 2010. Metabolic Disorders Prevalence in Sudden Deafness. *Clinis Science*, 65(11): 1149-1153.
- Okano, T. 2014. Immune System of Inner Ear As a Novel Therapeutic Target for Sensorineural Hearing Loss. *Frontiers in Pharmacology*, 5(205): 1-8.
- Oray, M., AbuSamra, K., Ebrahimiadib, N., Meese, H., & Foster, C. S. 2016. Long Term Side Effect of Glucocorticoids. *Expert Opinion on Drug Safety*, 1-9.
- Park, I. S., Kim, Y. B., Choi, S. H., & Hong, S. M. 2013. Clinical Analysis of Recurrent Sudden Sensorineural Hearing Loss. *Department of Otorhinolaryngology-Head and Neck Surgery*, 75: 245-249.
- Pinones, J. S., Villareal, I., Chilleron, R. G., Trinidad, Camacho, R. R., & Berrocal, G. 2015. Intratympanic Methylprednisolone for Sudden Sensorineural Hearing Loss: Comprehensive Re Examination of the Model. *Journal of Otolaryngology-ENT Research*, 3(2): 1-9.
- Putra, R. M., Munilson, J., Edward, Y., Warto, N., & Rosalinda, S. 2018. Injeksi Kortikosteroid Intratimpani Sebagai Salvage Therapy pada Pasien Tuli Mendadak. *Jurnal Kesehatan Andalas*, 3: 96-103.
- Raghunandhan, S., Agarwal, A. K., Natarajan, K., Murali, S., Kumar, R. S. A., & Kameswaran, M. 2013. Effect of Intravenous Administration of Steroids in the Management of Sudden Sensori-Neural Hearing Loss: Our Experience. *Indian Journal Otolaryngol Head Neck Surgery*, 65 (3): 229–233.

- Rauch, S.D., Halpin, C.F.H., Antonelli, P.J., Babu, S., Carey, J.P., Gantz, B.J., Goebel, J. A., Hammerschlag, P.E., Harris, J.P., Isaacson, B., Lee, D., Linstrom, C.J., Parnes, L.N., Shi, H., Slattery, W.H., Telian, S.A., Vrabec, J.T., & Reda, D.J. 2011. Oral vs Intratympanic Corticosteroid Therapy for Idiopathic Sudden Sensorineural Hearing Loss. *Journal of the American Medical Association*, 305(No): 2071-2079.
- Rauch, S.D. 2018. The Clinical Value of Vertigo as a Prognostic Indicator of Outcome in Sudden Sensorineural Hearing Loss. *Acta Otolaryngology–Head & Neck Surgery*, E1-E2.
- Raymundo, I. T., Bhmad, F., Filho, J. B., Pinheiro, T. G., Maia, N. A., & Oleveira, C. A. 2010. Intratympanic Methylprednisolone as Rescue Therapy in Sudden Sensorineural Hearing Loss. *Brazil Journal Otorhinolaryngol*, 76(4): 499-509.
- Rhee, T. M., Hwang, D., Lee, J. S., Park, J., & Lee, J. M. 2018. Addition of Hyperbaric Oxygen Therapy vs Medical Therapy Alone for Idiopathic Sudden Sensorineural Hearing Loss (A Systematic Review and Meta-analysis). *Journal of American Medical Association Otolaryngology–Head & Neck Surgery*, E1-E9.
- Saied, S. E., Joshua, B. Z., Segal, N., Kraus, M., & Kaplan, D. M. 2014. Sudden Hearing Loss with Simultaneous Posterior Semicircular Canal BPPV: Possible Etiology and Clinical Implications. *American Journal Of Otolaryngology – Head and Neck Medicine and Surgery*, 35: 180-185.
- Salt, A. N. & Plontke, S. A. 2018. Pharmacokinetic Principles in the Inner Ear: Influence of Drug Properties on Intratympanic Applications. *Hearing Research*, 1-13.
- Saputra, K. A. D. 2017. Tuli Sensorineural Mandadak Bilateral pada Evans Sindrom. *ENT Update Pulikasi Ilmiah Program Studi THT-KL FK Udayana*, 1(2): 147-165.
- Sherwood, L. 2016. *Human Physiology : From Cells to System, 9th Ed.* Boston, USA : Cengage Learning.
- Shi, X. 2010. Resident Macrophages in The Cochlear Blood-Labyrinth Barrier and Their Renewal Via Migration of Bone-Marrow-Derived Cells. *Cell Tissue Research*, 342: 21–30.
- Siswandono & Soekardjo, B. 2016. *Kimia Medisinal. Edisi Kedua.* Surabaya : Airlangga University Press. 424-434.
- Soepardi, E. A., Iskandar, N., Bashiruddin, J., & Resturi, R. D. 2017. *Tuli mendadak. In: Buku Ajar Ilmu Kesehatan Telinga Hidung Tenggorok Kepala dan Leher. Ed 6.* Jakarta: Fakultas Kedokteran Universitas Indonesia.

- Stachler, R. J., Chandrasekhar, S. S., & Archer, S.M. 2012. Clinical Practice Guideline: Sudden Hearing Loss. *Otolaryngol Head Neck Surgery*, 146: 1-35.
- Stachler R. J., Chandrasekhar, S. S., Archer, S. M., Rosenfeld, R. M., Schwartz, S. R., Barrs, D. M., Brown, S. R., Fife, T. D., Ford, P., Ganiats, T. G., Hollingsworth, D. B., Lewandowski, C. A., Montano, J. J., Saunders, J. M., Tucci, D. L., Valente, M., Warren, B. E., Yeremchuk, K. L., & Robertson, P. J. 2019. Clinical Practice Guideline Sudden Hearing Loss: Recommendations of the American Academy of Otolaryngology-Head and Neck Surgery. *Otolaryngol Head Neck Surgery*, 146: 1-15.
- Suh, S. & Park, M. K. 2017. Glucocorticoid-Induced Diabetes Mellitus: An Important but Overlooked Problem. *Endocrinology and Metabolism Journal*, 32: 180-189.
- Suyono, H. 2015. Terapi Oksigen Hiperbarik (TOHB) pada Kasus Pasien Anak Tuli Mendadak Akibat Mumps. *Surabaya. Jurnal Widya Medika*, 4(2): 84-94.
- Suzuki, H., Hashida, K., Hguyen, K. H., Hohchi, N., Katoh, A., Koizumi, H., & Ohbuchi, T. 2012. Efficacy of Intratympanic Steroid Administration on Idiopathic Sudden Sensorineural Hearing Loss in Comparison with Hyperbaric Oxygen Therapy. *Laryngoscope*, 122: 1154-1157.
- Vanniya, P., Ramkumar, K. M., & Srisailapathy, C. R. S. 2019. Immune-mediated Sensorineural Hearing Loss: Patho-Mechanisms and Therapeutic Strategies. *Turkish Journal of Immunology*, 7(1): S92-S98.
- Xipeng, L., Ruiyu, L., Meng, L., Yanzhuo, Z., Kaosan, G., & Liping, L., 2013. Effect of Diabetes on Hearing and Cochlear Structure. *Journal of Othology*, 8(2): 82-87.
- Yang, W., Li, X., Zhing, J., Mei, X., Liu, H., Yang, L., Lu, L., & Hu, H. 2020. Intratympanic Versus Intravenous Corticosteroid Treatment for Sudden Sensorineural Hearing Loss in Diabetic Patients: Proposed Study Protocol for a Prospective, Randomized Superiority Trial. *Biomed Central*, 21(135): 1-8.
- Zarychta, D. O. 2017. Successful Treatment of Sudden Sensorineural Hearing Loss by Means of Pharmacotherapy Combined with Early Hyperbaric Oxygen Therapy. *Olex-Zarychta Medicine*, 96(51): 1-3.
- Zhao, D., Tong, B., Wang, Q., Hellstrom, S., & Duan, M. 2016. A Comparison of Effects of Systemic and Intratympanic Steroid Therapies for Sudden Sensorineural Hearing Loss: A Meta-Analysis. *Journal of Otology*, 11: 18-23.