

DAFTAR PUSTAKA

1. Christian JM, Felts CB, Beckmann NA, Gillespie MB. Deep Neck and Odontogenic Infections: in Cummings Otolaryngology Head and Neck Surgery 7th Ed. Elsevier; 2020. p. 141–54.
2. Murray AD, Meyers AD. Deep neck infections. Eye Ear Nose Throat Mon [Internet]. 2020;26(10):539–41. Available from: <https://medicine.medscape.com/article/837048-print>
3. Paul Sutcliffe; Savita Lasrado. Anatomy, Head and Neck, Deep Cervical Neck Fascia [Internet]. StatPearls Publishing; 2020. Available from: <https://www.ncbi.nlm.nih.gov/books/NBK541091/>
4. Almuqamam; M, Gonzalez; FJ, Kondamudi NP. Deep Neck Infections. [Updated 2021 Aug 11]. In: StatPearls [Internet]. [Internet]. Treasure Island (FL): StatPearls Publishing; 2021. Available from: <https://www.ncbi.nlm.nih.gov/books/NBK441873/>
5. Hurley R, Douglas CM, Montgomery J, Clark LJ. The hidden cost of deep neck space infections. Ann R Coll Surg Engl. 2018;100(2):129–34.
6. Yang TH, Xirasagar S, Cheng YF, Wu CS, Kao YW, Lin HC. A nationwide population-based study on the incidence of parapharyngeal and retropharyngeal abscess-a 10-year study. Int J Environ Res Public Health. 2021;18(3):1–7.
7. Parara E, Krasadakis C, Toursounidis I, Tsekoura K, Mourouzis C, Rallis G. Significant rise in neck infections progressing to descending necrotizing mediastinitis during the COVID-19 pandemic quarantine. J Cranio-Maxillo-Facial Surg. 2020;(January):1–8.
8. Novialdi, Pulungan MR. Pola Kuman Abses Leher Dalam. Bagian Telinga Hidung Tenggorok Bedah Kepala Leher Fak Kedokt Univ Andalas Padang. 2019;1–9.
9. Airlangga, Tku. Pola Bakteri, Hasil Uji Kepekaan Antibiotik, dan Komplikasi pada pasien Abses Leher Dalam di RSUD Dokter Soetomo [Internet]. Tht Kl Universitas Airlangga. Perpus UNAIR; 2019. Diakses pada: 15 Juni 2023. Available from: <http://spesialis1.tht-kl.fk.unair.ac.id/3022/>
10. Adoviča A, Veidere L, Ronis M, Sumeraga G. Deep neck infections: review of 263 cases. Otolaryngol Pol. 2017;71(5):37–42.
11. Arianto DR, Romdhoni AC. Pola Kuman, Hasil Uji Sensitifitas Antibiotik dan Komplikasi Abses Leher dalam di RSUD DR. Soetomo. J Ilm Kedokt Wijaya Kusuma. 2019;8(1):88.
12. Boscolo-Rizzo P, Stellin M, Muzzi E, Mantovani M, Fuson R, Lupato V, et al. Deep neck infections: A study of 365 cases highlighting recommendations for management and treatment. Eur Arch Oto-Rhino-Laryngology. 2012;269(4):1241–9.
13. Treviño-Gonzalez JL, Maldonado-Chapa F, González-Larios A, Morales-Del Angel JA, Soto-Galindo GA, Zafiro García-Villanueva JM. Deep Neck Infections: Demographic and Clinical Factors Associated with Poor Outcomes. Orl. 2021;1–9.

14. Surgery N, Casa S, Fasciitis N. Predictive factors of lethality and complications of deep fascial space infections of the neck. :1–8.
15. Suetrong S, Reechaipichitkul W, Chainansamit S, Piromchai P. Deep Neck Infection in Adults: Factors Associated with Complicated Treatment Outcomes. *J Med Assoc Thai* [Internet]. 2017;100(8):179. Available from: <http://www.jmatonline.com/index.php/jmat/article/view/8612>
16. Ban MJ, Jung JY, Kim JW, Park KN, Lee SW, Koh YW, et al. A clinical prediction score to determine surgical drainage of deep neck infection: A retrospective case-control study. *Int J Surg* [Internet]. 2018;52:131–5. Available from: <https://doi.org/10.1016/j.ijssu.2018.02.024>
17. Rzepakowska A, Rytel A, Krawczyk P, Osuch-Wójcikiewicz E, Widłak I, Deja M, et al. The Factors Contributing to Efficiency in Surgical Management of Purulent Infections of Deep Neck Spaces. *Ear, Nose Throat J*. 2021;100(5):354–9.
18. O'Brien KJ, Snapp KR, Dugan AJ, Westgate PM, Gupta N. Risk Factors Affecting Length of Stay in Patients with Deep Neck Space Infection. *Laryngoscope*. 2020;130(9):2133–7.
19. Cheepcharoenrat C. The Result of Treatment of Deep Neck Infection in Patients Referred According to Public Health System. *Ear, Nose Throat J*. 2020;99(10):627–32.
20. Pratama R. Faktor yang Berhubungan Dengan Terjadinya Descending Necrotizing Mediastinitis Pada Abses Submandibula di Rumah Sakit dr Cipto Mangunkusumo Periode Januari 2012 – Juli 2016. Program Studi Ilmu Bedah; 2018.
21. Xiaojie L, Hui L, Zhongcheng G, Chenggang W, Yaqi N. The Predictive Value of Interleukin-6 and Neutrophil-Lymphocyte Ratio in Patients with Severe and Extremely Severe Oral and Maxillofacial Space Infections. *Biomed Res Int*. 2021;2021(2615059):1–8.
22. Trinolaurig S, Lismayanti L, Nurwiadh A, Yusuf HY. Correlation between Neutrophil-Lymphocyte-Ratio (NLR) and Clinical Severity in Acute Odontogenic Infection Patients. *Int J Sci Res*. 2019;8(4):957–61.
23. Sharma S, Duggal N. Role of procalcitonin, Il-6 and C- reactive protein in suspected cases of sepsis. *Indian J Pathol Microbiol*; 2019. p. 62:578-81.
24. Ruiqiang Z, Yifen Z, Ziqi R, Wei H, Xiaoyun F. Surviving Sepsis Campaign: international guidelines for management of sepsis and septic shock 2021, interpretation and expectation. Vol. 33, *Zhonghua Wei Zhong Bing Ji Jiu Yi Xue*. 2021. 1159–1164 p.
25. Azzini AM, Dorizzi RM, Sette P, Vecchi M, Coledan I, Righi E, et al. A 2020 review on the role of procalcitonin in different clinical settings: an update conducted with the tools of the Evidence Based Laboratory Medicine. *Ann Transl Med*. 2020;8(9):610–610.
26. Kameshwar P, Rawangban W, Tangjaturonrasme N. Serum Procalcitonin as Outcome Predictors in Deep Neck Infections. *Biomed J Sci Tech Res*. 2019;22(2):16555–9.
27. Guidera AK, Dawes PJD, Fong A, Stringer MD. Head and neck fascia and compartments: No space for spaces. *Wiley Online Library*; 2014. p. 1058–68.
28. Guidera AK, Dawes PJD, Stringer MD. Cervical fascia: A terminological

- pain in the neck. ANZ Journal of Surgery. 2012.
29. Kim JS, Ko JS, Bang S, Kim H, Lee SY. Cervical plexus block. Korean Journal of Anesthesiology. 2018. p. (4) 274-288.
 30. Osborn H.A. DDG. Deep Neck Space Infections. In: Durand M., Deschler D. (eds) Infections of the Ears, Nose, Throat, and Sinuses. Infections of the Ears, Nose, Throat, and Sinuses. Springer, Cham.; 2018. 327–350 p.
 31. Filippo Ricciardiello, Salvatore Mazzone, Pasquale Viola*, Gianluca Guggino, Giuseppe Longo, Alberto Napolitano, Giuseppe Russo, Giulio Sequino, Flavia Oliva, Pasquale Salomone, Marco Perrella, Giovanni Marco Romano, Pietro Cinaglia, Teresa Abate, Maurizi GC. Deep Neck Infections: decisional algorithm for patients with multiple spaces involvement[Internet]. Reviews on Recent Clinical Trials 2021. 2021. p. 16. Available from: <https://www.ncbi.nlm.nih.gov/books/NBK513262/>
 32. Rijal S, Romdhoni AC. Bacteria Pattern, Results of Antibiotic Sensitivity Test, and Complications of Deep Neck Abscess Patients in Dr. Soetomo General Hospital. Biomol Heal Sci J. 2018;1(2):124.
 33. LaRosa DF, Orange JS. 1. Lymphocytes. J Allergy Clin Immunol. 2008;121(2 SUPPL. 2):364–9.
 34. Roberto Ortiz B, Vanessa Espinoza D. Odontogenic Infection. Review of the Pathogenesis, Diagnosis, Complications and Treatment. Res Reports Oral Maxillofac Surg. 2021;5(2).
 35. Sherwood ER, Toliver-Kinsky T. Mechanisms of the inflammatory response. Best Pract Res Clin Anaesthesiol. 2004;18(3):385–405.
 36. Mosli RH, Mosli HH. Obesity and morbid obesity associated with higher odds of hypoalbuminemia in adults without liver disease or renal failure. Diabetes, Metab Syndr Obes Targets Ther. 2017;(10):y 2017:10 467–472.
 37. James M. Christian, Charles B. Felts, Nicholas A. Beckmann MBG. Cummings Otolaryngology–Head And Neck Surgery, Seventh Edition: Deep Neck and Odontogenic Infections. Canada: Elsevier; p. Chapter 9: 141-180.
 38. Aynehchi BB, Har-EI G. Deep Neck Infection in Bailey’s Head and Neck Surgery Otorhinolaryngology 5th edition. Philadelphia: Wolters Kluwer Lippincott Williams & Wilkins; 2016. p. (55) 794-820.
 39. Maharaj S, Mungul S, Ahmed S. Deep Neck Space Infections: Changing Trends in Pediatric Versus Adult Patients. J Oral Maxillofac. Surg [Internet]. 2020;78(3):394–9. Available from: <https://doi.org/10.1016/j.joms.2019.11.028>
 40. Nubiato Crespo A, Takahiro Chone C, Santana Fonseca A, Montenegro MC, Pereira R, Altemani Milani J. Clinical versus computed tomography evaluation in the diagnosis and management of deep neck infection. Sao Paulo Med J. 2004;122(6):259–63.
 41. Smith JL, Hsu JM, Chang J. Predicting deep neck space abscess using computed tomography. Am J Otolaryngol - Head Neck Med Surg. 2006;27(4):244–7.
 42. Moor JW, Clarke RW, Watkinson JC. Scott-Brown’s Otorhinolaryngology Head and Neck Surgery Volume 3 8th edition in chapter 40. New York: Taylor & Francis Group; 2019. p. (3)623-632.
 43. Tubachi J, Hakeem A, Pradeep DC, Nayak P. Surgical management of

- Parapharyngeal abscess. *Otorhinolaryngol Clin.* 2012;4(3):122–4.
44. Sartika Sari NL, Arta Eka Putra I, Budayanti N. Karakteristik penderita abses peritonsil Di RSUP Sanglah Denpasar periode tahun 2010-2014. *Medicina (B Aires)*. 2018;49(2):161–5.
 45. Rahman S. Naskah Lengkap Simposium dan Workshop Emergensi di Bidang Telinga Hidung dan Tenggorok. *Emergensid Bid Telinga Hidung Tenggorok*. 2015;(FEBRUARY 2013):64–71.
 46. Novialdi, Prijadi J. Diagnosis dan penatalaksanaan abses peritonsil. *Diagnosis dan Penatalaksanaan Abses Peritonsil*. 2014;1–10.
 47. Zebolsky AL, Dewey J, Swayze EJ, Moffatt S, Sullivan CD. Empiric treatment for peritonsillar abscess: A single-center experience with medical therapy alone. *Am J Otolaryngol - Head Neck Med Surg* [Internet]. 2021;42(4):102954. Available from: <https://doi.org/10.1016/j.amjoto.2021.102954>
 48. Windfuhr JP, Toepfner N, Steffen G, Waldfahrer F, Berner R. Clinical practice guideline: tonsillitis II. Surgical management. *Eur Arch Oto-Rhino-Laryngology*. 2016;273(4):989–1009.
 49. Novialdi N, Irfandy D. Diagnosis dan Penatalaksanaan Abses Retrofaring pada Anak. *J Kesehat Andalas*. 2012;1(3):145–9.
 50. Morina E, Novialdi N, Asyari A. Diagnosis dan Penatalaksanaan Abses Retrofaring pada Dewasa. *J Kesehat Andalas*. 2018;7(Supplement 2):58.
 51. Joshua J, Scholten E, Schaerer D, Mafee MF, Alexander TH, Crotty Alexander LE. Otolaryngology in critical care. *Ann Am Thorac Soc*. 2018;15(6):643–54.
 52. Bickle I. Retropharyngeal abscess. *Radiopaedia.org*;
 53. Gaillard. Retropharyngeal abscess | Radiology Reference Article | *Radiopaedia.org* [Internet]. *Radiopaedia.org*; 2021. p. akses 5 Desember 2021. Available from: <https://radiopaedia.org/articles/retropharyngeal-abscess>
 54. Page NC, Bauer EM, Lieu JEC. Clinical features and treatment of retropharyngeal abscess in children. *Otolaryngol - Head Neck Surg*. 2008;138(3):300–6.
 55. Harkani A, Hassani R, Ziad T, Aderdour L, Nouri H, Rochdi Y, et al. Retropharyngeal abscess in adults: Five case reports and review of the literature. *ScientificWorldJournal*. 2011;11:1623–9.
 56. Hsieh HS, Lee CY, Chang GH, Chang PJ, Wang YT, Tsai MS. Innovative Continuous Wound Irrigation Approach for Postoperative Treatment of Masticator Space Abscess. *Ear, Nose Throat J*. 2021;(January).
 57. Gujrathi AB, Ambulgekar V, Kathait P. Deep neck space infection – A retrospective study of 270 cases at tertiary care center. *World J Otorhinolaryngol - Head Neck Surg* [Internet]. 2016;2(4):208–13. Available from: <http://dx.doi.org/10.1016/j.wjorl.2016.11.003>
 58. Karkos PD, Leong SC, Beer H, Apostolidou MT, Panarese A. Challenging airways in deep neck space infections. *Am J Otolaryngol - Head Neck Med Surg*. 2007;28(6):415–8.
 59. Potter JK, Herford AS, Ellis E. Tracheotomy versus endotracheal intubation for airway management in deep neck space infections. *J Oral Maxillofac Surg*. 2002;60(4):349–54.

60. Suehara AB, Gonçalves AJ, Alcadipani FAMC, Kavabata NK, Menezes MB. Deep neck infection - analysis of 80 cases. *Braz J Otorhinolaryngol* [Internet]. 2008;74(2):253–9. Available from: [http://dx.doi.org/10.1016/S1808-8694\(15\)31097-1](http://dx.doi.org/10.1016/S1808-8694(15)31097-1)
61. Utari igaos. Distribusi penderita abses submandibula di bagian t.h.t.k.l rsud bangli bali periode januari 2016 sampai desember 2018. 2019;05(01):187–97.
62. Goenka PK, Hall M, Shah SS, Florin TA, Leone N. Corticosteroids in the Treatment of Pediatric Retropharyngeal and Parapharyngeal Abscesses. 2021;148(5).
63. Kent S, Henedige A, McDonald C, Henry A, Dawoud B, Kulkarni R, et al. Systematic review of the role of corticosteroids in cervicofacial infections. *Br J Oral Maxillofac Surg* [Internet]. 2019;57(3):196–206. Available from: <https://doi.org/10.1016/j.bjoms.2019.01.010>
64. Huang TT, Liu TC, Chen PR, Tseng FY, Yeh TH, Chen YS. Deep neck infection: Analysis of 185 cases. *Head Neck*. 2004;26(10):854–60.
65. Gunaratne DA, Tseros EA, Hasan Z, Kudpaje AS, Suruliraj A. Cervical necrotizing fasciitis : Systematic review and analysis of 1235 reported cases from the literature. 2018;(July 2017):2094–102.
66. Oguz H, Yilmaz MS. Diagnosis and management of necrotizing fasciitis of the head and neck. *Current Infectious Disease Reports*. 2012. p. 14:161–165.
67. Weiss A, Nelson P, Movahed R, Clarkson E, Dym H. Necrotizing fasciitis: Review of the literature and case report. *J Oral Maxillofac Surg*. 2011;
68. Lee JW, Immerman SB, Morris LGT. Techniques for early diagnosis and management of cervicofacial necrotising fasciitis. *J Laryngol Otol*. 2010;
69. Gu X, Chen W, Yuan K, Tan J, Sun S. The efficacy of artificial dermis combined with continuous vacuum sealing drainage in deep neck multiple spaces infection treatment. *Medicine (Baltimore)*. 2021;100(5):e24367.
70. Park KH, Park A, Kwon C, Yoo YS, Choi JH, Cho KR, et al. Application of Negative Pressure Wound Therapy for Deep Neck Infection. *Korean J Otorhinolaryngol Neck Surg*. 2016;59(2):125.
71. Govea-Camacho LH, Astudillo-Carrera A, Hermosillo-Sandoval JM, Rodríguez-Reynoso S, González-Ojeda A, Fuentes-Orozco C. Impacto del manejo con cierre asistido al vacío en abscesos profundos de cuello. *Cir Cir* [Internet]. 2016;84(4):275–81. Available from: <http://dx.doi.org/10.1016/j.circir.2015.12.004>
72. Velhonoja J, Lääveri M, Soukka T, Irjala H, Kinnunen I. Deep neck space infections: an upward trend and changing characteristics. *Eur Arch Oto-Rhino-Laryngology* [Internet]. 2020;277(3):863–72. Available from: <https://doi.org/10.1007/s00405-019-05742-9>
73. Ma C, Zhou L, Zhao JZ, Lin RT, Zhang T, Yu LJ, et al. Multidisciplinary treatment of deep neck infection associated with descending necrotizing mediastinitis: a single-centre experience. *J Int Med Res*. 2019;47(12):6027–40.
74. Yang W, Hu L, Wang Z, Nie G, Li X, Lin D, et al. Deep neck infection: A review of 130 cases in southern China. *Med (United States)*. 2015;94(27):e994.
75. Pineda-Alvarado A, Lugo-Machado JA, Canché-Martin E, Quintero JZ,

- Arellano-Ridriguez I, Lizárraga LL. Prevalence, morbidity and mortality of deep neck abscess in a tertiary hospital from Northwestern Mexico. *Rom J Rhinol*. 2021;11(41):41–6.
76. Gates GA. Deep neck infection. *Am J Otolaryngol Neck Med Surg*. 1983;4(6):420–1.
 77. Motahari SJ, Poormoosa R, Nikkhah M, Bahari M, Shirazy SMH, Khavarinejad F. Treatment and Prognosis of Deep Neck Infections. *Indian J Otolaryngol Head Neck Surg*. 2014;
 78. Ricciardiello F, Mazzone S, Viola P, Guggino G, Longo G, Napolitano A, et al. Deep Neck Infections: decisional algorithm for patients with multiple spaces involvement. Vol. 16, *Reviews on Recent Clinical Trials*. 2021.
 79. Ogawa M, Yokoo S, Takayama Y, Kurihara J, Makiguchi T, Shimizu T. Laboratory Risk Indicator for Necrotizing Fasciitis of the Oro-Cervical Region (LRINEC-OC): A Possible Diagnostic Tool for Emergencies of the Oro-Cervical Region. 2019;2019:1–6.
 80. Park MJ, Kim JW, Kim Y, Lee YS, Roh JL, Choi SH, et al. Initial nutritional status and clinical outcomes in patients with deep neck infection. *Clin Exp Otorhinolaryngol*. 2018;11(4):293–300.
 81. review of cases of DNSI and complications.pdf.
 82. Choi H, Min C, Lee C. Deep Neck Space Infections: Otolaryngologist Perspectives in Triage and Challenges. *Otol Neurotol*. 2020;41(7):836–41.
 83. Teggert A, Datta H, Ali Z. Biomarkers for point-of-care diagnosis of sepsis. *Micromachines*. 2020;11(3).
 84. Anush MM, Ashok VK, Sarma RIN, Pillai SK. Role of c-reactive protein as an indicator for determining the outcome of sepsis. Vol. 23, *Indian Journal of Critical Care Medicine*. 2019. p. 11–4.
 85. Kaur S, Bansal Y, Kumar R, Bansal G. A panoramic review of IL-6: Structure, pathophysiological roles and inhibitors. *Bioorganic Med Chem [Internet]*. 2020;28(5):115327. Available from: <https://doi.org/10.1016/j.bmc.2020.115327>
 86. Lin JJ, Editor C. Procalcitonin (PCT). 2021;1–5.
 87. Cong S, Ma T, Di X, Tian C, Zhao M, Wang K. Diagnostic value of neutrophil CD64, procalcitonin, and interleukin-6 in sepsis: a meta-analysis. *BMC Infect Dis*. 2021;21(1):1–17.
 88. Histology, White Blood Cell - StatPearls - NCBI Bookshelf [Internet]. Available from: <https://www.ncbi.nlm.nih.gov/books/NBK563148/>
 89. Forget P, Khalifa C, Defour JP, Latinne D, Van Pel MC, De Kock M. What is the normal value of the neutrophil-to-lymphocyte ratio? *BMC Res Notes*. 2017;10(1):1–4.
 90. Benschop RJ, Rodriguez-Feuerhahn M, Schedlowski M. Catecholamine-induced leukocytosis: Early observations, current research, and future directions. *Brain Behav Immun*. 1996;10(2):77–91.
 91. Farkas J. *PulmCrit: Neutrophil-Lymphocyte Ratio (NLR): Free upgrade to your WBC [Internet]*. Emcrit.Org. 2019. p. 1–14. Available from: <https://emcrit.org/pulmcrit/nlr/>
 92. Majnarić LT, Guljaš S, Bosnić Z, Šerić V, Wittlinger T. Neutrophil-to-lymphocyte ratio as a cardiovascular risk marker may be less efficient in women than in men. *Biomolecules*. 2021;11(4).

93. Li W, Hou M, Ding Z, Liu X, Shao Y, Li X. Prognostic Value of Neutrophil-to-Lymphocyte Ratio in Stroke: A Systematic Review and Meta-Analysis. *Front Neurol*. 2021;12(September).
94. Wang C, Zhang Q, Ji M, Mang J, Xu Z. Prognostic value of the neutrophil-to-lymphocyte ratio in acute ischemic stroke patients treated with intravenous thrombolysis: a systematic review and meta-analysis. *BMC Neurol*. 2021;21(1):1–9.
95. Kumarasamy C, Tiwary V, Sunil K, Suresh D, Shetty S, Muthukaliannan GK, et al. Prognostic utility of platelet–lymphocyte ratio, neutrophil–lymphocyte ratio and monocyte–lymphocyte ratio in head and neck cancers: A detailed prisma compliant systematic review and meta-analysis. *Cancers (Basel)*. 2021;13(16).
96. Tham T, Bardash Y, Herman SW, Costantino PD. Neutrophil-to-lymphocyte ratio as a prognostic indicator in head and neck cancer: A systematic review and meta-analysis. *Head Neck*. 2018;40(11):2546–57.
97. Hu G, Sun W, Zhang L, Luo M, Hu G, Mei Q, et al. Pretreatment hematologic markers as prognostic factors in patients with nasopharyngeal carcinoma: Neutrophil-lymphocyte ratio and platelet-lymphocyte ratio. *Head Neck*. 2016;38(January):E1332–40.
98. Yang F, Huang Q, Guan Z, Diao Q. Prognostic significance of pretreatment neutrophil-to-lymphocyte ratio in patients with laryngeal cancer: a systematic review and meta-analysis. *Eur Arch Oto-Rhino-Laryngology [Internet]*. 2021;278(2):417–25. Available from: <https://doi.org/10.1007/s00405-020-06337-5>
99. Bojaxhiu B, Templeton AJ, Elicin O, Shelan M, Zaugg K, Walser M, et al. Relation of baseline neutrophil-to-lymphocyte ratio to survival and toxicity in head and neck cancer patients treated with (chemo-) radiation. *Radiat Oncol*. 2018;13(1):1–9.
100. Hajibandeh S, Hajibandeh S, Hobbs N, Mansour M. Neutrophil-to-lymphocyte ratio predicts acute appendicitis and distinguishes between complicated and uncomplicated appendicitis: A systematic review and meta-analysis. *Am J Surg [Internet]*. 2020;219(1):154–63. Available from: <https://doi.org/10.1016/j.amjsurg.2019.04.018>
101. Ljungström L, Pernestig AK, Jacobsson G, Andersson R, Usener B, Tilevik D. Diagnostic accuracy of procalcitonin, neutrophil-lymphocyte count ratio, C-reactive protein, and lactate in patients with suspected bacterial sepsis. *PLoS One*. 2017;12(7):1–17.
102. Karakonstantis S, Kalemaki D, Tzagkarakis E, Lydakis C. Pitfalls in studies of eosinopenia and neutrophil-to-lymphocyte count ratio. *Infect Dis (Auckl) [Internet]*. 2018;50(3):163–74. Available from: <https://doi.org/10.1080/23744235.2017.1388537>
103. Liu S, Wang X, She F, Zhang W, Liu H, Zhao X. Effects of Neutrophil-to-Lymphocyte Ratio Combined With Interleukin-6 in Predicting 28-Day Mortality in Patients With Sepsis. *Front Immunol*. 2021;12(March):1–9.
104. Kim JK, Lee JH. Clinical utility of procalcitonin in severe odontogenic maxillofacial infection. *Maxillofac Plast Reconstr Surg*. 2021;43(1).
105. Baglam T, Binnetoglu A, Yumusakhuylu AC, Gerin F, Demir B, Sari M. Predictive value of the neutrophil-to-lymphocyte ratio in patients with deep

- neck space infection secondary to acute bacterial tonsillitis. *Int J Pediatr Otorhinolaryngol* [Internet]. 2015;79(9):1421–4. Available from: <http://dx.doi.org/10.1016/j.ijporl.2015.06.016>
106. Şentürk M, Azgın İ, Övet G, Alataş N, Ağırgöl B, Yılmaz E. O papel do volume plaquetário médio e a relação neutrófilos/linfócitos em abscesso periamigdaliano. *Braz J Otorhinolaryngol*. 2016;82(6):662–7.
 107. Güzelsoy Sağıroğlu S, Sarıca S, Bilal N, Orhan İ, Erdoğan A, Kılıç M. The investigation of neutrophil to lymphocyte ratio and platelet to lymphocyte ratio in children with pathological cervical lymphadenopathy. *ENT Updat*. 2017;7(2):99–103.
 108. Dogruel F, Gonen ZB, Gunay-Canpolat D, Zararsiz G, Alkan A. The neutrophil-to-lymphocyte ratio as a marker of recovery status in patients with severe dental infection. *Med Oral Patol Oral Cir Bucal*. 2017;22(4):e440–5.
 109. N.Gallagher, J.Collyer, C.M.Bowe. Neutrophil to lymphocyte ratio as a prognostic marker of deep neck space infections secondary to odontogenic infection. *British Journal of Oral and Maxillofacial Surgery*; 2021. p. Volume 59 (228-232).
 110. Hsieh FY, Bloch DA, Larsen MD. A simple method of sample size calculation for linear and logistic regression. *Stat Med*. 1998;17(14):1623–34.
 111. Lin Y, Gao W, Yue H, Chen W, Liu T, Ye J, et al. A novel risk score for the prediction of airway management in patients with deep neck space abscess : a multicenter retrospective cohort study. 2021;1–11.
 112. Almutairi D, Alqahtani R, Alshareef N, Alghamdi YS. Deep Neck Space Infections : A Retrospective Study of 183 Cases at a Tertiary Hospital. 2020;12(2):1–13.
 113. Jayagandhi S, Cheruvu SC, Manimaran V, Mohanty S. Deep Neck Space Infection: Study of 52 Cases. *Indian J Otolaryngol Head Neck Surg* [Internet]. 2019;71:923–6. Available from: <https://doi.org/10.1007/s12070-019-01592-3>
 114. Ho C, Wang Y, Chin S. Factors Creating a Need for Repeated Drainage of Deep Neck Infections. 2022;1–9.
 115. Feldman C, Anderson R. The role of co-infections and secondary infections in patients with COVID-19. *Pneumonia*. 2021;13(1).
 116. Srivanitchapoom C, Sittitrai P, Pattarasakulchai T, Tananuvat R. Deep neck infection in Northern Thailand. *Eur Arch Oto-Rhino-Laryngology*. 2012;269(1):241–6.
 117. Rzepakowska A, Rytel A, Krawczyk P, Widłak I, Deja M. The Factors Contributing to Efficiency in Surgical Management of Purulent Infections of Deep Neck Spaces. 2021;100(5):354–9.
 118. Chen SL, Ho CY, Chin SC, Wang YC. Factors affecting perforation of the esophagus in patients with deep neck infection. *BMC Infect Dis*. 2022;22(1):1–9.
 119. Gharagozloo M, Kalantari H, Rezaei A, Maracy MR, Salehi M, Bahador A, et al. CLINICAL STUDY Immune-mediated cochleovestibular disease. *Bratisl lek??rske List*. 2015;116(5):296–301.
 120. Hwang SY, Shin TG, Jo IJ, Jeon K, Suh GY, Lee TR, et al. Neutrophil-to-lymphocyte ratio as a prognostic marker in critically-ill septic patients. *Am*

- J Emerg Med [Internet]. 2017;35(2):234–9. Available from: <http://dx.doi.org/10.1016/j.ajem.2016.10.055>
121. Zahorec. Neutrophil-to-lymphocyte ratio, past, present and future perspectives. Bratisl Med J. 2021;122(7):474–88.
 122. Bedel C, Korkut M, Hamit Hakan Armagan. NLR, d-NLR and PLR can be affected by many factors. Int Immunopharmacol. 2020;90(January):107154.
 123. Staffieri C, Fasanaro E, Favaretto N, Biagio F, Torre L, Sanguin S, et al. Multivariate approach to investigating prognostic factors in deep neck infections. 2014;
 124. Suranadi IW, Sinardja CD, Suryadi IA. Role of Procalcitonin in Predicting Mortality and Organ Dysfunction at Intensive Care Admission. Int J Gen Med. 2022;15(May):4917–23.
 125. Bertolus C, Schouman T, Aubry A, Hausfater P. Is procalcitonin a useful biomarker for the risk stratification of facial cellulitis? J Cranio- Maxillofacial Surg. 2016;44(8):995–7.
 126. Samsudin I, Vasikaran SD. Clinical utility and measurement of procalcitonin. Clin Biochem Rev. 2017;38(2):59–68.
 127. Yunus I, Fasih A, Wang Y. The use of procalcitonin in the determination of severity of sepsis, patient outcomes and infection characteristics. PLoS One. 2018;13(11):1–11.

