

DAFTAR PUSTAKA

Aboed, A 2007. Radang Telinga Tengah Menahun. Pidato Pengukuhan Guru Besar Tetap Bagian Ilmu Kesehatan Hidung Telinga Tenggorok Bedah Kepala Leher. USU e-repository, hh.1-11.

Alhede M, Bjarnsholt T, Givskov M, et al. Pseudomonas aeruginosa biofilms: mechanisms of immune evasion. *Am J Pathol.* 2019;181(3):1235-1247. doi:10.1016/j.ajpath.2012.06.015.

Allison, D 2000. Community Structure and Co-Operation in Biofilms. University of Manchester. Cambridge: Cambridge University Press. Vol. 2, hh. 25-36.

Annisari, N 2017. Karakteristik Penderita Otitis Media Supuratif Kronik Di RumahSakit Umum Pusat Dr.Wahidin Sudirohusodo Periode Juli 2016 – Juni 2017. Universitas Hasanuddin Makassar.

Arenas, M, Rio, S, Garrido 2017. Middle ear CT imaging: Review of anatomy and common pathology. European Society of Radiology.

Artono, Nyilo, P, Rosydiah, R 2015. 'Biofilm Bacteria Plays a Role in CSOM Pathogenesis and Has Significant Correlation with Unsafe Type CSOM', *Folia Medica Indonesia*, Vol. 51, hh.208-213.

Artono, Sukma, Nyilo P 2023. Effect of Acetic Acid on Clinical Isolated Pseudomonas Aeruginosa Biofilm in Chronic Suppurative Otitis Media : In vitro Study. Departement of Otolaryngology, Airlangga Jniversity.



Aarhus, L 2015. Childhood otitis media: A cohort study with 30-year-follow-up of hearing (The HUNT Study). Norwegian Institute of Public Health, Division of Mental Health. *Ear Hear*, 36(3):302-8.

Becker K, Heilmann C, Peters G. Coagulase-negative staphylococci. *Clin Microbiol Rev*. 2018;27(4):870-926. doi:10.1128/CMR.00118-13

Blitzer, A 2018. The ENT Examination. Oxford American Medical Handbook Otolaryngology. Oxford medical Publication. pp. 11-40.

Charaolis, W & Marshall, K 1990. Biofilm- Wiley Series in Ecological and Applied Microbiology. New York. pp. 195-232.

Ciofu O, Moser C, Jensen PØ, Høiby N. Tolerance and resistance of microbial biofilms. *Clin Microbiol Infect*. 2017;23(9):676-682. doi:10.1016/j.cmi.2017.05.030.

Costerton JW, Stewart PS, Greenberg EP. Bacterial biofilms: a common cause of persistent infections. *Science*. 2018;284(5418):1318-1322. doi:10.1126/science.284.5418.1318

Darad H, & Sinha M. 2017. Aetiological factor of Chronic Suppurative Otitis Media: a Retrospective Study. *International Journal of Otorhinolaryngology and Head and Neck Surgery*. 3 (2): 234- 238.

Deviana, & Dyah I 2016. Pattern And Degree Of Hearing Loss In Chronic Suppurative Otitis Media. *Journal of Dental and Medical Science*, 15(3): 73-4,78-9.



Edward, Y., & Novianti, D. (2023). Biofilm Pada Otitis Media Supuratif Kronik. *Jurnal Telinga Hidung Tenggorok Bedah Kepala dan Leher*, Universitas Andalas/ RSUP dr. M. Djamil Padang

Emma, J, Julie, W & Casadevall 2012. EDTA inhibits biofilm formation, extracellular vesicular secretion, and shedding of the capsular polysaccharide glucuronoxylomannan by *Cryptococcus neoformans*. National Library of Medicine. DOI: [10.1128/AEM.01953-12](https://doi.org/10.1128/AEM.01953-12)

Farida, Y, Sapto, H & Oktaria, D 2016. Tatalaksana Terkini Otitis Media Supuratif Kronik (OMSK). Universitas Lampung. *Medical Profession Journal of Lampung*, vol. 6, no. 1, hh. 180- 184.

Francesco, B, Page, C 2016. The effect of N-acetylcysteine on biofilms: Implications for the treatment of respiratory tract infections. *PubMed*: 117:190-7.

Fransiskus, H, Bambang, S, Jaene, D 2021. Profile Benign Type of Chronic Suppurative Otitis Media In General Hospital of The Christian University of Indonesia. *International Journal of Research-GRANTHAALAYAH*, Vol. 9 (4), hh. 229-239.

Gelfand, S.A. 2016. Pure Tone Audiometry . In: *Essentials of Audiology 4th Edition*. Queens College of The City University of New York. Thieme Medical Publishers, Inc. hh. 108-135

Grewin, D & Edward, Y 2019. *Otitis Media Supuratif Kronik Tipe Kolesteatom dengan Komplikasi Sekuele Stroke Akibat Meningoensefalitis*. *Jurnal Kesehatan Andalas*. 8(3): 726-734.



Ha DG, Kuchma SL, O'Toole GA. Plate-based assay for swarming motility in *Pseudomonas aeruginosa*. *J Vis Exp*. 2018;(132). doi:10.3791/57148.

Hall-Stoodley L, Costerton JW, Stoodley P 2004. Bacterial Biofilms: From the Natural Environment to Infectious Diseases. *Nature Rev Microbiol* 2:95-108.

Helmi 2005. Anatomi bedah regio temporal. In: Otitis Media Supuratif Kronik. Fakultas Kedokteran Universitas Indonesia. Balai Penerbit Fakultas Kedokteran Universitas Indonesia. hh. 4-26.

Harris AS, Elhassan HA, Flook EP. Why are ototopical aminoglycosides still first-line therapy for chronic suppurative otitis media? A systematic review and discussion of aminoglycosides versus quinolones. *J Laryngol Otol*. 2016 Jan;130(1):2-7. [[PubMed](#)]

Harshad L, Park, J Chung 2019. Biofilm Formation by *Staphylococcus aureus* Clinical Isolates is Differentially Affected by Glucose and Sodium Chloride Supplemented Culture Media. *Journal of Clinical Medicine*. 8, 1853; doi:10.3390/jcm8111853

Hermanus C, & Wilemien H 2016. Otitis Media Diagnosis for Developing Countries Using Tympanic Membrane Image-Analysis. *EBioMedicine*, 5;158.

Inoue T, Shingaki R, Sogawa N, Sogawa CA, Asaumi J, Koikeguchi S, et al. 2003. Biofilm formation by a fimbriae- deficient mutant of *Actinobacillus actinomycetemcomitans*. *Microbiol Immunol* 47:877-381.



I lker, A, et al 2012, 'Bacterial Biofilm Formation in the Middle-Ear Mucosa of Chronic Otitis Media Patients', Indian Journal Otolaryngology Head Neck Surgery, vol. 65, hh.557-561.

Jae, Ho, Chung, et al. 2016. Prevalence and Associated Factors of Chronic Suppurative Otitis Media: Data From The National Health and Nutrition Examination Survey, 2009-2012. The Laryngoscope, 126(10), 2351- 2357

James, S, Michael, M, Anthony, A 2011. Biofilms in Chronic Suppurative Otitis Media and Cholesteatoma: Scanning Electron microscopy Findings. American Journal of Otolaryngology- Head and Neck Medicine and Surgery, Vol.32, hh 32-37.

Jensen PØ, Bjarnsholt T, Phipps R, et al. Rapid necrotic killing of polymorphonuclear leukocytes is caused by quorum sensing-controlled production of rhamnolipid by *Pseudomonas aeruginosa*. *Microbiology*. 2017;153(5):1329-1338. doi:10.1099/mic.0.2006/003863-0

Khatoon Z, McTiernan CD, Suuronen EJ, Mah TF, Alarcon EI. Bacterial biofilm formation on implantable devices and approaches to its treatment and prevention. *Heliyon*. 2018;4(12). doi:10.1016/j.heliyon.2018.e01067

Kuczkowski, Jerzy. M. P., Wojciech Brzoznowski, M. P., & Tomasz Nowicki, M. P 2020. Bone Damage in Chronic Otitis Media. Ear, Nose & Throat Journal 1–2.Sage.



Lappin, S & Costerton, J 2003. Growth of Microorganisms on Surfaces. In: Microbial Biofilms 5th Edition. Cambridge University. Cambridge University Press. hh. 15-39.

Laura A, Kenneth, Mokrzan 2019. Biofilm Biology and Vaccine Strategies for Otitis Media Due to Nontypeable Haemophilus Influenzae. Nationwide Children's Hospital and The Ohio State University College of Medicine, Columbus, Ohio, United States

Madigan MT, Martikno JM, Brock TD. 2006. Brock Biology of Microorganisms. 11th Ed. New Jersey: Pearson Prentice Hall. Hal: 617-619.

Maric S, Vranes J. 2007. Characteristics and significance of microbial biofilm formation. Periodicum biologorum. Vol 109:2. p. 2

Mittal R, Lisi C, Gerring R, & Liu X. 2015. Current Concepts in the Pathogenesis and Treatment of Chronic Suppurative Otitis Media. Journal of Medical Microbiology.

Muhjatul, Q, Vivi, N, Donny, H 2022, 'Otitis Media Supuratif Kronik', Proceeding of The 15th Continuing Medical Education, Faculty of Medicine Universitas Muhammadiyah Surakarta. hh. 8-14.

Modul Otologi 2020, Kolegium Ilmu kesehatan THT Bedah Kepala Leher. Modul Peradangan Telinga Tengah. Jakarta: Kolegium Ilmu Kesehatan THT Bedah Kepala Leher



), P & Wiyadi, H 2009, 'Anatomi Dan Fisiologi Pendengaran Perifer', Jurnal THT-KL, vol. 2, no.2, hh. 76-85.

Nur, A & Setyawan, A 2006. REVIEW: Senyawa Bioaktif Penghambat Sistem *Quorum Sensing* Pada Bakteri Gram Negatif. *urusan Biologi FMIPA Universitas Sebelas Maret (UNS) Surakarta*. 4 (1): 34-40

Nursiah, S 2006. Pola Kuman Aerob Penyebab OMSK dan Kepekaan Terhadap Beberapa Antibiotika di Bagian THT FK Universitas Sumatera Utara/ RSUP. H. Adam Malik Medan Tahun 2000. Medan : FK Univeraitas Sumatera Utara.

Özcan N, Saat N, Yildirim Baylan M, Akpolat N, Atmaca S, Gül K. Three cases of Chronic Suppurative Otitis Media (CSOM) caused by *Kerstersia gyiorum* and a review of the literature. *Infez Med*. 2018 Dec 01;26(4):364-368. [[PubMed](#)]

Pangemanan, D. M., Palandeng, O. I., & Pelealu, O. C. P. (2018). Otitis Media Supuratif Kronik di Poliklinik THT-KL RSUP Prof. Dr. R. D. Kandou Manado Periode Januari 2014 – Desember 2016. *Jurnal e-Clinic (eCI)*, 6(1), 1-8

Pendick, & Daniel 2019. Chronic Otitis Media, Cholesteatoma and Mastoiditis, What is it?. Harvard Health Publishing Medical School. hh. 1-3.

Rosario DC, Mendez MD. 2024. Chronic Suppurative Otitis. National Library of Medicine, In: StatPearls Publishing; 2024 Jan. Available from: <https://www.ncbi.nlm.nih.gov/books/NBK554592/>

Sari. J. Edward, Y & Rosalinda, R 2018. Otitis Media Supuratif Kronik Tipe Kolesteatom dengan Komplikasi Meningitis dan Paresis Nervus Fasialis Perifer. *Jurnal Kesehatan Andalas*, vol.7, no. 4, hh. 88-95.



Seith Ashu, Jana M, & Suresh C 2016. Clinico radiological series: temporal bone imaging. 1st Edition. New Delhi: The Health Science Publisher. P105.

Sharma D, Misba L, Khan AU. Antibiotics versus biofilm: an emerging battleground in microbial communities. *Antibiotics (Basel)*. 2019;8(2):26. doi:10.3390/antibiotics8020026.

Simon, F, Percival, S 2015. EDTA: An Antimicrobial and Antibiofilm Agent for Use in Wound Care. National Library of Medicine. 1;4(7):415–421.

Soetirto, Bashiruddin Jenny, Bramantyo Brastho, Gangguan pendengaran 2007. Akibat Obat ototoksik. Buku ajar Ilmu Kesehatan Telinga Hidung Tenggorok Kepala & Leher Edisi IV. Penerbit FK-UI Jakarta. halaman 9-15, 53-56.

Soepardi.E.A, N.Iskandar, J.Bashiruddin, R.D.Restuti 2011. Buku Ajar Ilmu Kesehatan Telinga Hidung Tenggorok Kepala dan Leher. Vol VI(6). Jakarta : Fakultas Kedokteran Universitas Indonesia. hh. 69-73.

Suprihati, B., & Naftali, Z. (2016). Hubungan Biofilm dan Resistensi Bakteri dengan Respon Klinis Terapi Antibiotik Topikal pada Otitis Media Supuratif Kronis Benigna. *Medica Hospitalia*, 3(3), 10-15

Thapa N, Shirastav RP 2004. Intracranial Complication Of Chronic Suppuratif Otitis Media, Attico-Antral Type: Experience at TUTH. J Neuroscience. 1: 36-39



Tria, A, Lasminingrum, L & Dermawan, A 2020, 'Karakteristik OMSK dengan Kolesteatoma pada Penderita Rawat Inap di RS Hasan Sadikin Periode 2016-2017', *JSK*, vol. 5, no. 3, hh. 97-100.

Triola, S., Indriyani, C., Hamama Pitra, D. A., & Ashan, H. (2023). Otitis Media Supuratif Kronik (OMSK) Sebagai Penyebab Gangguan Pendengaran. *SCIENA*, 2(2), 45-52

Uddén F, Filipe M, Reimer Å, Paul M, Matuschek E, Thegerström J, Hammerschmidt S, Pelkonen T, Riesbeck K. Aerobic bacteria associated with chronic suppurative otitis media in Angola. *Infect Dis Poverty*. 2018 May 03;7(1):42. [[PMC free article](#)] [[PubMed](#)]

Umar NS, Pary MI, Soesanty. 2019. Karakteristik Pasien Otitis Media Supuratif Kronik di Poliklinik Telinga Hidung Tenggorok Rumah Sakit Umum Daerah Dr. H Chasan Boesoirie Periode Januari-Juli 2019. *Kieraha Medical Journal*. Vol 1(1):60–5.

WHO 2004. Chronic Suppurative Otitis Media : Burden Off Illness And Management Options. Child And Adolescent Health And Development Prevention Of Blindness And Deafness. Geneva Switzerland. hh.9-70.

Xin, L, Kim, J, Wu 2020. *N* -Acetyl-cysteine dan Mekanisme yang Terlibat dalam Resolusi Biofilm Luka Kronis. National Library of Medicine. doi: 10.1155/2020/9589507

Yan. E. & Dini, N 2015. Biofilm Pada Otitis media Supuratif Kronik. Bagian Telinga Hidung Tenggorok Bedah Kepala Leher, Universitas Andalas. *Jambi Medical Journal*, vol.3, hh

