

DAFTAR PUSTAKA

- Ahmed OB.,2016. 'Prevalence of exfoliative and toxic shock syndrome toxin genes in methicillin-resistant *Staphylococcus aureus* strains isolated from clinical specimens in Makkah, Saudi Arabia'. *British Journal of Medicine & Medical Research*.11(11):1-5.
- Alfatemi, S.M.H., M. Motamedifar, N. Hadi and H.S.E Saraie. 2014. 'Analysis of virulence genes among Methicillin Resistant *Staphylococcus aureus* (MRSA) strains'. *Jundishapur J Microbiol*.7(6):1-10
- Alni, R.H., A. Mohammadzadeh, P. Mahmoodi and M.Y. Alikhani. 2018. 'Detection of Toxic Shock Syndrome Toxin (TSST) gene among *Staphylococcus aureus* isolated from patients and healthy carriers'. *Avicenna J Clin Microb Infec*.5(1):1-5.
- Asadollahi, P., A. Delpisheh, M.H. Maleki, F.A. Jalilian, M.Y. Alikhani, K. Asadollahi, S. Soroush, A. Hematian, M. Emaneini and M.Taherikalani. 2014. 'Enterotoxin and exfoliative toxin genes among methicillin-resistant *Staphylococcus aureus* isolates recovered from Ilam, Iran'. *Avicenna J Clin Microb Infec*.1(2):1-5.
- Aung, M.S., N. Urushibara, M. Kawaguchiya, T.S. Aung, S. Mya, T. San, K.M. New and N. Kobayashi, 2011. 'Virulence factors and genetic characteristics of methicillin-resistant and -susceptible *Staphylococcus aureus* isolates in Myanmar'. *Microbial Drug Resistance*.17(4):525-535.
- Aung, M.S., H. Zi, K.M. Nwe, W.W. Maw, M.T. Aung, W.W. Min, N. Nyein, M. Kawaguchiya, N. Urushibara, A. Sumi and N. Kobayashi. 2016. 'Drug resistance and genetic characteristics of clinical isolates of staphylococci in Myanmar: high prevalence of pvl among methicillin susceptible *Staphylococcus aureus* belonging to various sequence types'. *New Microbe and New Infect*.2016(10):58-65.
- Bien, J., O. Sokolova and P. Bozko. 2011. 'Characterization of virulence factors of *Staphylococcus aureus*: novel function of known virulence factors that are implicated in activation of airway epithelial proinflammatory response'. *Journal of Pathogens*.1-13.
- Boswihi, S.S. and E.E. Udo. 2018. 'Methicillin-resistant *Staphylococcus aureus*: an update on the epidemiology, treatment options and infection control'. *Current Medicine Research and Practice*.8:18-24.

- Brosnahan, A.J. and P.M. Schlievert. 2011. 'Gram-positive bacterial superantigen outside-in signaling causes toxic shock syndrome'. *FEBS Journal*.278 (2011):4649–4667.
- Changchien, C.H., S.W. Chen, Y.Y. Chen and C. Chu. 2016. 'Antibiotic susceptibility and genomic variations in *Staphylococcus aureus* associated with Skin and Soft Tissue Infection (SSTI) disease groups'. *BMC Infectious Diseases*.16(276):1-8.
- Dinges, M.M., P.M. Orwin and P.M. Schlievert. 2000. Exotoxins Of *Staphylococcus aureus*. *Clinical Microbiology Reviews*.13(1):16-34
- Eftekhar, F., R. Rezaee, M. Azad, H. Azimi, H. Goudarzi and M. Goudarzi. 2017. 'Distribution of adhesion and toxin genes in *Staphylococcus aureus* strains recovered from hospitalized patients admitted to the ICU'. *Arch Pediatr Infect Dis*.5(1):1-8
- El-Ghodban, A., K.S. Ghenghesh, K. Ma'rialigeti, H. Esahli and A. Tawil. 2006. 'PCR detection of toxic shock syndrome toxin of *Staphylococcus aureus* from Tripoli, Libya'. *Journal of Medical Microbiology*.55:179–182
- Ezeamagu, C., I. Imanatue, M. Dosunmu, A. Odeseye, G. Baysah, D. Aina, F. Odutayo and G.M. Agyei. 2017. 'Detection of methicillin resistant and toxin-associated genes in *Staphylococcus aureus*'. *Beni-Suef University Journal of Basic and Applied Sciences*.7:92–97.
- Forbes, G.A., D.F. Sahm and A.S. Weissfeld. 2014. 'Bailey & Scott,s Diagnostic Microbiology, 13th Edition'. Elsevier, Mosby.
- Fraser, J.D. 2011. 'Clarifying the mechanism of superantigen toxicity'. *PLoS Biol*.9(9):e1001145.
- Ghasemzadeh-Moghaddam, H., V. Neela, R. Goering and N.S. Mariana. 2012. 'Methicillin Sensitive *Staphylococcus aureus* (MSSA) isolates as a potential source for the emergence of USA 300 Methicillin Resistant *Staphylococcus aureus* (MRSA) in Malaysia'. *Tropical Biomedicine*.29(3):429–433.
- Ghaznavi-Rad, E., M.N. Shamsudin, Z. Sekawi, L.Y. Khoon, M.N. Aziz, R.A. Hamat, N. Othman, P.P. Chong, A.V. Belkum, H. Ghasemzadeh-Moghaddam and V. Neela. 2010. 'Predominance and emergence of clones of hospital-acquired methicillin-resistant *Staphylococcus aureus* in Malaysia. *Journal Of Clinical Microbiology*'.48(3):867-872

- Grema, H.A., Y.A. Geidam, G.B. Gadzama, J.A. Ameh and A. Suleiman. 2015. 'Methicillin Resistant *Staphylococcus aureus* (MRSA) a review'. *Adv. Anim. Vet. Sci.*3(2):79-98.
- He, C., S. Xu, H. Zhao, F. Hu, X. Xu, S. Jin, H. Yang, F. Gong and Q. Liu. 2018. 'Leukotoxin and pyrogenic toxin superantigen gene backgrounds in bloodstream and wound *Staphylococcus aureus* isolates from eastern region of China'. *BMC Infectious Disease*.18(395):1-10
- Hsu, L.Y., Y.L Koh, N.L. Chlebicka, T.Y. Tan, P. Krishnan, R.T.P Lin, N. Tee, T. Barkham and T.H. Koh. 2006. 'Establishment of ST30 as the predominant clonal type among community-associated methicillin-resistant *Staphylococcus aureus* isolates in Singapore'. *Journal of clinical microbiology*.44(3):1090-1093
- Jiménez, J.N., A.M. Ocampo, J.M. Vanegas, E.A. Rodríguez, C.G. Garcés, L.A. Patiño, S. Ospina and M.M. Correa. 2011. 'Characterisation of virulence genes in methicillin susceptible and resistant *Staphylococcus aureus* isolates from a paediatric population in a university hospital of Medellín, Colombia'. *Mem Inst Oswaldo Cruz*.106(8):980-985.
- Kim, Y.G., H.S. Lee, S.K. Kang, K.S. Chang and S.M. Hwang. 2011. 'Correlation between the prevalence of superantigenic toxin genes and coagulase serotypes of *Staphylococcus aureus* isolates'. *Journal of Bacteriology and Virology*.41(3):157-164.
- Koosha, R.Z., H.M. Hosseini, E.M. Aghdam, S.G. Tajandareh and A.A.I. Fooladi. 2016. 'Distribution of TSST-1 and mecA genes in *Staphylococcus aureus* isolated from clinical specimens'. *Jundishapur J Microbiol*.9(3):1-8.
- Kuntaman, K., U. Hadi, F. Setiawan, E.B. Koendori, M. Rusli, D. Santosianingsih, J. Severin, H.A. Verbrugh. 2016. 'Prevalence of Methicillin Resistant *Staphylococcus aureus* From Nose and Throat of Patients on Admission To Medical Wards of Dr. Soetomo Hospital, Surabaya, Indonesia. *Southeast Asian J Trop Med Public Health*.47(1):66-70
- Laham, N.A., J.R. Mediavilla, L. Chen, N. Abdelateef, F.A. Elamreen, C.C. Ginocchio, D. Pierard, K. Becker and B.N. Kreiswirth. 2015. 'MRSA clonal complex 22 strains harboring Toxic Shock Syndrome Toxin (TSST-1) are endemic in the primary hospital in Gaza, Palestine'. *Plos One*.10(3):1-17.
- Lim, K., G. Lee, M. Park, J.H. Lee, I.B. Suh, S.W. Ryu, Y.B. Eom and J.B. Kim.

2010. 'Genetic relationship between scmec types and virulence factors of methicillin-resistant *Staphylococcus aureus* clinical isolates in Korea'. *J. Exp. Biomed. Sci.*16(2):75-82.
- Lin, Y.C. and M.L. Peterson. 2010. 'New insights into the prevention of staphylococcal infections and toxic shock syndrome'. *Expert Rev Clin Pharmacol.*3(6):753–767.
- Lulitanonda, A. R. Kanyotab, C. Engchanil, A. Chanawonga, C. Wilailuckanaa, R. Tavichakortrakoola, P. Puang-ngernd and P. Sribenjaluxa. 2015. 'Virulence genes and genotypes of *Staphylococcus aureus* from blood of Thai patients'. *ScienceAsia.*41(2015):162-169
- Maeda, M., H. Shoji, T. Shirakura, T. Takuma, K. Ugajin, K. Fukuchi, Y. Niki, and K. Ishino. 2016. 'Analysis of Staphylococcal Toxins and Clinical Outcomes of Methicillin- Resistant *Staphylococcus aureus* Bacteremia' . *Biol. Pharm. Bull.* 39(7):1195–1200.
- Me'gevand, C. A. Gervaix, U. Heininger, C. Berger, C. Aebi, B. Vaudaux, C. Kind, H.P. Gnehm, M. Hitzler, G. Renzi, J. Schrenzel and P. Francois. 2009. 'Molecular epidemiology of the nasal colonization by methicillin susceptible *Staphylococcus aureus* in Swiss children'. *Clinical Microbiology and Infection.*16(9):1414-1420.
- Motamedifar, M., H.S. Ebrahim-Saraie, S.M.H. Alfatemi, M. Zalipour, M. Kaveh and H. Khoshkham-Roodmajani. 2015. 'Frequency of the toxic shock syndrome toxin-1 gene in methicillin-susceptible and -resistant *Staphylococcus aureus* isolates from teaching hospitals in Shiraz, Iran'. *Revista da Sociedade Brasileira de Medicina Tropical.*48(1):90-93.
- Murray, PR, K.S. Rosenthal and M.A. Pfaller. 2016. *Medical Microbiology* 8 ed. Elsevier Inc. Philadelphia
- Nagao, M., A. Okamoto, K. Yamada, T. Hasegawa, Y. Hasegawa and M. Ohta. 2009. 'Variations in amount of TSST-1 produced by clinical Methicillin Resistant *Staphylococcus aureus* (MRSA) isolates and allelic variation in Accessory Gene Regulator (agr) locus'. *BMC Microbiolog.*9(52):1471-2180.
- Nakaminami, H., N. Noguchi, M. Ikeda, M. Hasui, M. Sato, S. Yamamoto, T. Yoshida, T. Asano, M. Senoue and M. Sasatsu. 2008. 'Molecular epidemiology and antimicrobial susceptibilities of 273 exfoliative toxin-encoding gene-

positive *Staphylococcus aureus* isolates from patients with impetigo in Japan'. *Journal of Medical Microbiology*.57:1251–1258.

- Noordin, A., H.F. Sapri, N.A.M. Sani, S.K. Leong, X.E. Tan, T.L. Tan, N.M. Zin, H. Neoh and S. Hussin. 2016. 'Antimicrobial resistance profiling and molecular typing of methicillin-resistant *Staphylococcus aureus* isolated from a Malaysian teaching hospital'. *Journal of Medical Microbiology*. 2016(65):1476–1481
- Ogbolu, D.O., O.A. Terry Alli, L.A. Bello and A.O. Ibrahim. 2015. 'Emergence of Vancomycin Intermediate *Staphylococcus aureus* (VISA) in clinical isolates of methicillin resistant *S. aureus* from South Western Region of Nigeria'. *International Journal of Tropical Disease & Health*.10(4):1-5.
- Oliveira, D., A. Borges and M. Simões. 2018. '*Staphylococcus aureus* toxins and their molecular activity in infectious diseases. *Toxins*'.10(252):1-19.
- Ramazanzadeh, R., H.M. Talvar, M. Mirzaii, S.S. Hasheminasab and H. Narenj. 2015. 'Investigating prevalence of pathogenic genes (ETA and TSST-1) in *Staphylococcus aureus* isolated from different wards of the hospitals by PCR method'. *International Journal of Scientific World*.3(2):239-243.
- Roetzer, A., G. Haller, J. Beyerly, C.B. Geier, H.M. Wolf, C.S. Gruener, N. Model and M.M. Eibl. 2016. 'Genotypic and phenotypic analysis of clinical isolates of *Staphylococcus aureus* revealed production patterns and hemolytic potentials unlinked to gene profiles and source'. *BMC Microbiology*.16(13):1-14
- Sapri, H.F., N.A.M. Sani, A. Noordin, H. Neoh and S. Hussin. 2011. 'Virulence gene typing of Methicillin-susceptible *Staphylococcus aureus* (MSSA) Isolates in Universiti Kebangsaan Malaysia Medical Centre (UKMMC)'. *Asia-Pacific Journal of Molecular Medicine*.1(4):1-4
- Sapri, H.F., N.A.M. Sani, A. Noordin, H. Neoh and S. Hussin. 2013. 'Epidemiological study on *Staphylococcus aureus* isolates reveals inverse relationship between antibiotic resistance and virulence repertoire'. *Indian J Microbiol*.53(3):321–322
- Sabouni, F., S. Mahmoudi, A. Bahador, B. Pourakbari, R.H. Sadeghi, M.T.H. Ashtiani, B. Nikmanesh and S. Mamishi. 2014. 'Virulence factors of *Staphylococcus aureus* isolates in an Iranian Referral Children's Hospital'. *Osong Public Health Res Perspect*.5(2):96-100.

- Schaumburg, F., U.A. Ngoa, K. Koestersm, R. Ko'ck, A.A. Adegnika, P.G. Kreamner, B. Lell, G. Peters, A. Mellmann and K. Becker. 2011. 'Virulence factors and genotypes of *Staphylococcus aureus* from infection and carriage in Gabon'. *Clinical Microbiology and Infection*.17(10):1507–1513.
- Spaulding, A.R., W. Salgado-Pabón, P.L. Kohler, A.R. Horswill, D.Y.M. Leung and P.M. Schlieverta. 2013. 'Staphylococcal and streptococcal superantigen exotoxins'. *Clinical Microbiology Reviews*.26(3):422-447
- Teyhoo, M., H. Mobaiyen, N. Amirmozafari, S.R. Moaddab and S. Monesrast. 2014. 'Prevalence of toxic shock syndrome toxin I producing clinical isolates of *Staphylococcus aureus* strains isolated from hospitals in Tabriz, Iran'. *International Journal of Biosciences*.4(9):169-176.
- Todar, K. 2015. '*Staphylococcus aureus*' [Daring]. Available at:<http://textbookofbacteriology.net/staph.html>
- Tokajian, S., D. Haddad, R. Andraos, F. Hashwa and G. Araj. 2011. 'Toxins and antibiotic resistance in *Staphylococcus aureus* isolated from a major hospital in Lebanon'. *ISRN Microbiology*.2011:1-9.
- Tristan, A., T. Ferry, G. Durand, O. Dauwalder, M. Bes, G. Lina, F. Vandenesch and J. Etienne, 2007. 'Virulence determinants in community and hospital methicillin-resistant *Staphylococcus aureus*'. *Journal of Hospital Infection*.65(S2):105–109
- Udo, E.E., S.S. Boswihi and N. Al-Sweih. 2016. 'High prevalence of toxic shock syndrome toxin-producing Epidemic Methicillin-Resistant *Staphylococcus aureus* 15 (EMRSA-15) strains in Kuwait hospitals'. *New Microbe and New Infect*.12(C):24–30
- Wang, C.C., W.T. Lo, C.F. Hsu and M.L. Chu. 2004. 'Enterotoxin B is the predominant toxin involved in staphylococcal scarlet fever in Taiwan'. *Clinical Infectious Diseases*.2004(38):1498–1502.
- Wang, L.X., Z.D. Hu, Y.M. Hu, B. Tian, J. Li, F.X. Wang, H. Yang, H.R. Xu, Y.C. Li and J. Li. 2013. 'Molecular analysis and frequency of *Staphylococcus aureus* virulence genes isolated from bloodstream infections in a teaching hospital in Tianjin, China'. *Genet. Mol. Res*.12(1):646-654.
- Wang, W.Y., T.S. Chiueh, J.R. Sun, S.M. Tsao and J.J Lu. 2012. 'Molecular typing and phenotype characterization of methicillin-resistant *Staphylococcus aureus* isolates from blood in Taiwan'. *PLoS ONE*.7(1):e30394.

- Whang, S.C., C.K. Lee, S.G. Lee and H.S. Yoon. 1997. 'Studies on the distribution of nuc, meca, enterotoxin genes and tst gene in Methicillin-Resistant *Staphylococcus aureus* (MRSA) in Korea by multiplex PCR'. *Korean J Clin Lab Sci.*29:187-201
- Wongboot, W., C. Chomvarin, C. Engchanil and P. Chaimanee, 2013. 'Multiplex Pcr for detection of superantigenic toxin genes in methicillin-sensitive and methicillin-resistant *Staphylococcus Aureus* isolated from patients and carriers of a hospital in Northeast Thailand'. *Southeast Asian J Trop Med Public Health.*44(4):660-671.
- Xie, Y., Y. He, A. Gehring, Y. Hu, Q. Li, S. Tu and X. Shi. 2011. 'Genotypes and toxin gene profiles of *Staphylococcus aureus* clinical isolates from China'. *Plos One.*6(12):1-11
- Xu, S.X. and J.K. McCormick. 2012. 'Staphylococcal superantigens in colonization and disease'. *Frontiers in Cellular and Infection Microbiology.*2(52):1-11
- Yu, F., Y. Liu, J. Lv, X. Qi, C. Lu, Y. Ding, D. Li, H. Liu and L. Wang. 2015. 'Antimicrobial susceptibility, virulence determinant carriage and molecular characteristics of *Staphylococcus aureus* isolates associated with skin and soft tissue infections'. *Barz J Infect Dis.*19(6):614-622.