

BIBLIOGRAPHY

Ahmed, R., Singh, S., Farooq, U., Bharti, A. K., Kaur, N. 2016. "Occurrence and Antimicrobial Susceptibility Pattern of Methicillin-resistant *Staphylococcus aureus* and Methicillin-resistant Coagulase-Negative Staphylococci Isolated from Different Clinical Specimens from the Patients Hospitalized in Teerthanker Mahaveer Medical College and Research Center, Moradabad, India". *International Journal of Scientific Study* 3.11:41-47.

Appelbaum, P. 2007. "Microbiology of antibiotic resistance in *Staphylococcus aureus*". *Clinical Infectious Diseases* 45: S165-S170.

Brown, D. F. J. 2001. "Detection of Methicillin/oxacillin Resistance in Staphylococci." *Journal of Antimicrobial Chemotherapy* 48. Suppl 1: 65-70.

Brown, D. F. J. 2005. "Guidelines for the Laboratory Diagnosis and Susceptibility Testing of Methicillin-resistant *Staphylococcus aureus* (MRSA)." *Journal of Antimicrobial Chemotherapy* 56.6: 1000-018.

Cauwelier, B., Grodts, B., Descheemaeker, P., Van Landuyt, H. 2004. "Evaluation of a disk diffusion method with cefoxitin (30 µg) for detection of methicillin-resistant *Staphylococcus aureus*". *European Journal of Clinical Microbiology & Infectious Diseases* 23: 389-392.

Chambers, H. F., Deleo, F. R. 2009. "Waves of Resistance: *Staphylococcus aureus* in the Antibiotic Era." *Nature Reviews Microbiology* 7.9: 629-41.

Chung, H. J., Jeon, H. S., Sung, H., Kim, M. N., Hong, S. J. 2008. "Epidemiological Characteristics of Methicillin-Resistant *Staphylococcus aureus* Isolates from Children with Eczematous Atopic Dermatitis Lesions." *Journal of Clinical Microbiology* 46.3: 991-95.

CLSI. "Performance Standards for Antimicrobial Susceptibility Testing: Twenty-fifth Informational Supplement." Wayne, PA: Clinical and Laboratory Standards Institute, 2015.

Costa, S. S., Viveiros, M., Amaral, L., Couto, I. 2013. "Multidrug Efflux Pumps in *Staphylococcus aureus*: An Update." *The Open Microbiology Journal* 7.1: 59-71.

David, M. Z., Daum, R. S. 2010. "Community-Associated Methicillin-Resistant *Staphylococcus aureus*: Epidemiology and Clinical Consequences of an Emerging Epidemic." *Clinical Microbiology Reviews* 23.3: 616-87.

DeLeo, F. R., Otto, M., Kreiswirth, B. N. & Chambers, H. F. 2010. "Community-associated methicillin-resistant *Staphylococcus aureus*." *Lancet* 375: 1557-1568.

Dilnessa, T., Bitew, A. 2016. "Prevalence and Antimicrobial Susceptibility Pattern of Methicillin Resistant *Staphylococcus aureus* Isolated from Clinical Samples at

Yekatit 12 Hospital Medical College, Addis Ababa, Ethiopia." *BMC Infectious Diseases* 16.1:398.

Doern G. V., Brecher S. M. 2011. "The clinical predictive value (or lack thereof) of the results of *in vitro* antimicrobial susceptibility tests." *Journal of Clinical Microbiology* 49: S11 – S14.

Elsahn, A. F., Yildiz, E. H., Jungkind, D. L., Abdalla, Y. F., Erdurmus, M., Cremona, F. A., Rapuano, C. J., Hammersmith, K. M., Cohen, E. J. 2010. "In Vitro Susceptibility Patterns of Methicillin-Resistant *Staphylococcus aureus* and Coagulase-Negative *Staphylococcus* Corneal Isolates to Antibiotics." *Cornea* 29.10: 1131-135.

Fayyaz, M., Mirza, I. A., Ahmed Z., Abbasi S. A., Hussain A, and Ali S. 2013. "In Vitro Susceptibility of Chloramphenicol Against Methicillin-Resistant *Staphylococcus aureus*." *Journal of the College of Physicians and Surgeons Pakistan* 23.9: 637-40.

Fishovitz, J., Hermoso J. A., Chang M, and Mobashery S. 2014. "Penicillin-binding Protein 2a of Methicillin-resistant *Staphylococcus aureus*." *IUBMB Life* 66.8: 572-77.

Floyd, J. L., Smith, K. P., Kumar, S. H., Floyd, J. T., Varela, M. F. 2010. "LmrS Is a Multidrug Efflux Pump of the Major Facilitator Superfamily from *Staphylococcus aureus*." *Antimicrobial Agents and Chemotherapy* 54.12: 5406-412.

Fuda C., Suvorov, M., Vakulenko, S. B., Mobashery, S. 2004. "The Basis for Resistance to β -Lactam Antibiotics by Penicillin-binding Protein 2a of Methicillin-resistant *Staphylococcus aureus*." *Journal of Biological Chemistry* 279.39: 40802-0806.

Gould, F. K., Brindle, R., Chadwick, P. R., Fraise, A. P., Hill, S., Nathwani, D., Ridgway, G. L., Spry, M. J., Warren, R. E. 2009. "Guidelines (2008) for the Prophylaxis and Treatment of Methicillin-resistant *Staphylococcus aureus* (MRSA) Infections in the United Kingdom." *Journal of Antimicrobial Chemotherapy* 63.5: 849-61.

Jang, S. 2016. "Multidrug efflux pumps in *Staphylococcus aureus* and their clinical implications". *Journal of Microbiology* 54.1: 1-8

Jawetz, E., Melnick, J. L., Adelberg, E. A., Carroll, K. C. "Jawetz, Melnick, & Adelberg's Medical Microbiology". 26th ed. New York: McGraw-Hill Education, 2013.

Jensen, S. O., Lyon, B. R. 2009. "Genetics of Antimicrobial Resistance In *Staphylococcus aureus*." *Future Microbiology* 4.5: 565-82.

Jorgensen, J. H., Carroll K. C. "Manual of Clinical Microbiology." Washington, D.C: ASM, 2015.

Kaleem, F., Usman, J., Hassan, A., Omair, M., Khalid, A., Uddin, R. 2010. "Sensitivity pattern of methicillin-resistant *Staphylococcus aureus* isolated from patients admitted in a tertiary care hospital of Pakistan". *Iranian Journal of Microbiology*. 2(3): 143-146.

Kardas -Słoma, L., Boelle, P. Y., Opatowski L., Brun-Buisson, C., Guillemot D., Temime, L. 2011. "Impact of Antibiotic Exposure Patterns on Selection of Community-Associated Methicillin-Resistant *Staphylococcus aureus* in Hospital Settings." *Antimicrobial Agents and Chemotherapy* 55.10: 4888-895.

Kawada-Matsuo, M., Komatsuzawa, H. 2012. "Factors Affecting Susceptibility of *Staphylococcus aureus* to Antibacterial Agents." *Journal of Oral Biosciences* 54.2: 86-91.

Kehrenberg, C., Schwarz, S., Jacobsen, L., Hansen, L. H., Vester, B. 2005. "A New Mechanism for Chloramphenicol, Florfenicol and Clindamycin Resistance: Methylation of 23S Ribosomal RNA at A2503." *Molecular Microbiology* 57.4: 1064-073.

Kementrian Kesehatan RI, "Formularium Nasional." Kementrian Kesehatan, Jakarta. 2016.

Kollef, M. H. 2007. "Limitations of Vancomycin in the Management of Resistant Staphylococcal Infections." *Clinical Infectious Diseases* 45. Supplement 3:191-5.

Kuntaman, K., Hadi, U., Setiawan, F., Koendori, E. B., Rusli, M., Santosaningsih, D., Severin, J., Verbrugh, H. A. 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 Journal of Tropical Medicine and Public Health* 47.1: 66-70.

Lenhard, J. R., Brown, T., Rybak, M. J., Meaney, C. J., Norgard, N. B., Bulman, Z. P., Brazeau, D. A., Gill, S. R., Tsuji, B. T. 2016. "Sequential evolution of vancomycin-intermediate resistance alters virulence in *Staphylococcus aureus*: pharmacokinetic/pharmacodynamics targets for vancomycin exposure." *Antimicrobial Agents Chemotherapy* 60: 1584-1591.

Liu, Y., Xu, Z., Yang, Z., Sun, J., Ma L. 2016. "Characterization of Community-associated *Staphylococcus aureus* from Skin and Soft-tissue Infections: A Multicenter Study in China." *Emerging Microbes & Infections* 5.12.

Long, K. S., Poehlsgaard, J., Kehrenberg, C., Schwarz, S., Vester, B. 2006. "The Cfr RRNA Methyltransferase Confers Resistance to Phenicols, Lincosamides, Oxazolidinones, Pleuromutilins, and Streptogramin A Antibiotics." *Antimicrobial*

Agents and Chemotherapy 50.7: 2500-505.

Lowy, F. D. 1998. "Staphylococcus aureus infections." *The New England Journal of Medicine* 339:520–532.

Lowy, F. D. 2003. "Antimicrobial Resistance: The Example of *Staphylococcus aureus*." *Journal of Clinical Investigation* 111.9: 1265-273.

Moellering Jr., R. C. 2012. "MRSA: the first half century". *Journal of Antimicrobial Chemotherapy* 67: 4-11.

Murray B. E., Moellering, R. C. 1978. "Patterns and mechanism of antibiotic resistance". *Medical Clinics of North America* 62: 899 – 923.

Nakatomi, Y., Sugiyama, J. 1998. "A rapid latex agglutination assay for the detection of penicillin binding protein 2". *Microbiology and Immunology* 42: 739 – 43.

Neyfakh, A. A., Borsch, C. M., Kaatz, G. W. 1993. "Fluoroquinolone Resistance Protein NorA of *Staphylococcus aureus* Is a Multidrug Efflux Transporter." *Antimicrobial Agents and Chemotherapy* 37.1: 128-29.

Nsofor, C. A., Nwokenkwo, V. N., Ohale, C. U. 2016. "Prevalence and Antibiotic Susceptibility Pattern of *Staphylococcus aureus* Isolated from Various Clinical Specimens in South East Nigeria". *MOJ Cell Science Report* 3(2): 00054

Olsen, J. E., Christensen, H., Aarestrup, F. M. 2006. "Diversity and Evolution of BlaZ from *Staphylococcus aureus* and Coagulase-negative Staphylococci." *Journal of Antimicrobial Chemotherapy* 57.3: 450-60.

Pinho, M. G., De Lencastre, H., Tomasz, A. 2001. "An Acquired and a Native Penicillin-binding Protein Cooperate in Building the Cell Wall of Drug-resistant Staphylococci." *Proceedings of the National Academy of Sciences* 98.19: 10886-0891.

Prax, M., Lee, C. Y., Bertram, R. 2013. "An Update on the Molecular Genetics Toolbox for Staphylococci." *Microbiology* 159.3: 421-35.

Public Health England. "UK Standards for Microbiology Investigations: Identification of *Staphylococcus* species, *Micrococcus* species and *Rothia* species". ID 7 Issue 3. London, England: Public Health England, 2014.

Santosaningsih, D., Santoso, S., Budayanti, N. S., 2014. "Epidemiology of *Staphylococcus aureus* harboring the *mecA* or Panton-Valentine leukocidin genes in hospitals in Java and Bali, Indonesia." *The American Journal of Tropical Medicine and Hygiene* 90: 728-34.

Schwarz, S., Cardoso, M. 1991. "Molecular Cloning, Purification, and Properties

of a Plasmid-Encoded Chloramphenicol Acetyltransferase from *Staphylococcus haemolyticus*". *Antimicrobial Agents and Chemotherapy* 35: 1277-83.

Schwarz, S., Kehrenberg, C., Doublet, B., Cloeckaert, A. 2004. "Molecular basis of bacterial resistance to chloramphenicol and florfenicol". *FEMS Microbiology Reviews* 28: 519-542.

Stapleton P. D., Taylor, P. W. 2002. "Methicillin Resistance in *Staphylococcus aureus*: Mechanisms and Modulation." *Science Progress* 85.1: 57-72.

Tacconelli, E., De Angelis, G., Cataldo, M. A., Pozzi, E., Cauda, R. 2007. "Does Antibiotic Exposure Increase the Risk of Methicillin-resistant *Staphylococcus aureus* (MRSA) Isolation? A Systematic Review and Meta-analysis." *Journal of Antimicrobial Chemotherapy* 61.1: 26-38.

Thati, V., Shovannavar, C. T., Gaddad, S. M. 2011. "Vancomycin resistance among methicillin-resistant *Staphylococcus aureus* isolates from intensive care units of tertiary care hospitals in Hyderabad." *Indian Journal of Medical Research* 134: 704-8.

Tong, S. Y. C., Davis, J. S., Eichenberger, E., Holland, T. L., Fowler V. G. 2015. "*Staphylococcus aureus* Infections: Epidemiology, Pathophysiology, Clinical Manifestations, and Management." *Clinical Microbiology Reviews* 28.3: 603-61.

Vourli, S., Vagiakou, H., Ganteris, G., Orfanidou, M., Polemis, M., Vatopoulos, A., Malamou-Ladas, H. 2009. "High rates of Community-Acquired, Panton-Valentine Leukocidin (PVL)-positive Methicillin-resistant *S. aureus* (MRSA) Infections in Adult Outpatients in Greece". *Eurosurveillance* 14.2.

Wiley, J. M., Sherwood, L., Woolverton, C. J., Prescott, L. M. "Prescott's Microbiology". New York, NY: McGraw-Hill Education, 2017.

Wilson, D. N. 2013. "Ribosome-targeting Antibiotics and Mechanisms of Bacterial Resistance." *Nature Reviews Microbiology* 12.1: 35-48.

Wu, S. W., De Lencastre, H., Tomasz, A. 2001. "Recruitment of the *mecA* gene homologue of *Staphylococcus sciuri* into a resistance determinant and expression of the resistant phenotype in *Staphylococcus aureus*". *Journal of Bacteriology* 183: 2417-2424.