

EXAMPLES OF NOTABLE REFERENCES ON:

Resistance mechanisms - ESBL and MBL

1. Walsh, T. R., Toleman, M. A., Poirel, L., and Nordmann, P. (2005). Metallo-beta-lactamases: the quiet before the storm? *Clin Microbiol Rev* 18:306-25.
2. Lee, K., Yong, D., Yum, J. H., Lim, Y. S., Bolmstrom, A., Qvarnstrom, A., Karlsson, A., and Chong, Y. (2005). Evaluation of Etest MBL for detection of blaIMP-1 and blaVIM-2 allele-positive clinical isolates of *Pseudomonas* spp. and *Acinetobacter* spp. *J Clin Microbiol* 43:942-4.
3. Giakkoupi, P., Tzouveleakis, L. S., Daikos, G. L., Miriagou, V., Petrikos, G., Legakis, N. J., and Vatopoulos, A. C. (2005). Discrepancies and interpretation problems in susceptibility testing of VIM-1-producing *Klebsiella pneumoniae* isolates. *J Clin Microbiol* 43:494-6.
4. Pena, C., Suarez, C., Tubau, F., Gutierrez, O., Dominguez, A., Oliver, A., Pujol, M., Gudiol, F., and Ariza, J. (2007). Nosocomial spread of *Pseudomonas aeruginosa* producing the metallo-beta-lactamase VIM-2 in a Spanish hospital: clinical and epidemiological implications. *Clin Microbiol Infect* 13:1026-9.
5. Walsh, T. R. (2005). The emergence and implications of metallo-beta-lactamases in Gram-negative bacteria. *Clin Microbiol Infect* 11 Suppl 6:2-9.
6. Pournaras, S., Maniati, M., Petinaki, E., Tzouveleakis, L. S., Tsakris, A., Legakis, N. J., and Maniatis, A. N. (2003). Hospital outbreak of multiple clones of *Pseudomonas aeruginosa* carrying the unrelated metallo-beta-lactamase gene variants blaVIM-2 and blaVIM-4. *J Antimicrob Chemother* 51:1409-14.
7. Jones, R. N., Biedenbach, D. J., Sader, H. S., Fritsche, T. R., Toleman, M. A., and Walsh, T. R. (2005). Emerging epidemic of metallo-beta-lactamase-mediated resistances. *Diagn Microbiol Infect Dis* 51:77-84.
8. Henrichfreise, B., Wiegand, I., Sherwood, K. J., and Wiedemann, B. (2005). Detection of VIM-2 metallo-beta-lactamase in *Pseudomonas aeruginosa* from Germany. *Antimicrob Agents Chemother* 49:1668-9.
9. Tognim, M. C., Gales, A. C., Penteado, A. P., Silbert, S., and Sader, H. S. (2006). Dissemination of IMP-1 metallo-beta-lactamase-producing *Acinetobacter* species in a Brazilian teaching hospital. *Infect Control Hosp Epidemiol* 27:742-7.
10. Coelho, J. M., Turton, J. F., Kaufmann, M. E., Glover, J., Woodford, N., Warner, M., Palepou, M. F., Pike, R., Pitt, T. L., Patel, B. C., and Livermore, D. M. (2006). Occurrence of carbapenem-resistant *Acinetobacter baumannii* clones at multiple hospitals in London and Southeast England. *J Clin Microbiol* 44:3623-7.
11. Paterson, D. L., and Bonomo, R. A. (2005). Extended-spectrum beta-lactamases: a clinical update. *Clin Microbiol Rev* 18:657-86.
12. Pfaller, M. A., and Segreti, J. (2006). Overview of the epidemiological profile and laboratory detection of extended-spectrum beta-lactamases. *Clin Infect Dis* 42 Suppl 4:S153-63.
13. Dashti, A. A., West, P., Paton, R., and Amyes, S. G. (2006). Characterization of extended-spectrum beta-lactamase (ESBL)-producing Kuwait and UK strains identified by the Vitek system, and subsequent comparison of the Vitek system with other commercial ESBL-testing systems using these strains. *J Med Microbiol* 55:417-21.
14. Wanger, A., Inamdar, K., and Guilloud, N. (2001). Presented at the American Society of Microbiology, Orlando, Florida.
15. Song, W., Moland, E. S., Hanson, N. D., Lewis, J. S., Jorgensen, J. H., and Thomson, K. S. (2005). Failure of cefepime therapy in treatment of *Klebsiella pneumoniae* bacteremia. *J Clin Microbiol* 43:4891-4.
16. Tumbarello, M., Spanu, T., Sanguinetti, M., Citton, R., Montuori, E., Leone, F., Fadda, G., and Cauda, R. (2006). Bloodstream infections caused by extended-spectrum-beta-lactamase-producing *Klebsiella pneumoniae*: risk factors, molecular epidemiology, and clinical outcome. *Antimicrob Agents Chemother* 50:498-504.
17. Marra, A. R., Pereira, C. A., Castelo, A., do Carmo Filho, J. R., Cal, R. G., Sader, H. S., and Wey, S. B. (2006). Health and economic outcomes of the detection of *Klebsiella pneumoniae*-produced extended-spectrum beta-lactamase (ESBL) in a hospital with high prevalence of this infection. *Int J Infect Dis* 10:56-60.

18. Dashti, A. A., and West, P. W. (2007). Extended-spectrum beta-lactamase-producing *Escherichia coli* isolated in the Al-Amiri Hospital in 2003 and compared with isolates from the Farwania hospital outbreak in 1994-96 in Kuwait. *J Chemother* 19:271-6.