

VII. REFERENCES

1. Wyrick PB, Gutman LT, Hodinka RL. Chlamydiae. In: Joklik WK, Willett HP, Amos DB, Wilfert CM (eds). Zinsser Microbiology, 21 ed. Connecticut: Appleton & Lange. 1994: 719-28.
2. Rodriguez P, Persson B, Dutilt K, *et al.* Evaluation of molecular typing for epidemiological study of *Chlamydia trachomatis* genital infection. J Clin Microbiol 1993; 31: 2238-40.
3. Willett HP. Antimicrobial Agent. In: Joklik WK, Willett HP, Amos BD (eds). Zinsser Microbiology, 20 ed. Connecticut: Appleton & Lange. 1992; 178-9.
4. Grayton JT, Kuo CC, Campbell LA, *et al.* *Chlamydia pneumoniae* sp. nov. for Chlamydia strain TWAR. Int J Syst Bacteriol 1989; 39: 88-90.
5. Holmes KK, Handfield HH, Wang SP, *et al.* N Engl J Med 1975; 292: 1199-206.
6. Schachter J. Nongonococcal urethritis and related infections. N Engl J Med 1978; 298: 1428-35.
7. Caldwell HD. Chlamydiae. Ann Rev Microbiol 1980; 34: 285-309.
8. Stamm WE. Diagnosis of *Chlamydia trachomatis* genitourinary infections. Ann Intern Med 1988; 108: 710-7.
9. Dhir SP, Hakomori S, Kenny GE, *et al.* Immunochemical studies on chlamydial group antigen. J Immunol 1972; 109: 116-122.
10. Caldwell HD, Kuo CC, Kenny GE. Purification of a *Chlamydia trachomatis* specific antigen by immunoabsorption with monospecific antibody. J Immunol 1977; 118: 437-41.

11. Yong EC, Chinn JS, Caldwell HD, *et al.* Reticulate bodies as single antigen in *Chlamydia trachomatis* serology with microimmunofluorescence. *J Clin Microbiol* 1979; 10: 352-6.
12. Bell SD, Snyder JD, Murray ES. Immunization of mice against toxic doses of homologous elementary bodies of trachoma. *Science* 1959; 130: 626-7.
13. Wang SP, Grayton JT. Immunologic relationship between genital TRIC, lymphogranuloma venereum, and related organisms in a new microtiter indirect immunofluorescence test. *Am J Ophthalmol* 1970; 70: 367-74.
14. Wang SP, Grayton JT. Three new serovars of *Chlamydia trachomatis*: Da, Ia and L2a. *J Infect Dis* 1991; 163: 403-5.
15. Poole E, Lamont I. *Chlamydia trachomatis* serovar differentiation by direct sequence analysis of the variable segment 4 region of the major outer membrane protein gene. *Infect Immun* 1992; 60: 1089-94.
16. Yuan Y, Zhang YX, Watkins NG, *et al.* Nucleotide and deduced amino acid sequence for the four variable domains of the major outer membrane protein of 15 *Chlamydia trachomatis* serovars. *Infect Immun* 1988; 57: 1040-9.
17. Stephens SR, Snaches-Pescador R, Wager EA, Urdea MS. Diversity of *Chlamydia trachomatis* major outer membrane protein genes. 1987; 169: 3879-85.
18. Nichols RL, Bobb AA, Haddad NA, *et al.* Studies on trachoma II: comparison of fluorescent antibody, Giemsa and egg isolation methods for detection of trachoma in human conjunctival scrapings. *Am J Trop Med Hyg* 1963; 12: 223-9.
19. Schachter J. Chlamydiaeae: The Chlamydiae. In: Lennette EH, Halonen P, Murphy FA (eds). *Laboratory Diagnosis of Infectious Diseases Principles and Practice Vol II, Viral Rickettsial, and Chlamydial diseases*. New York: Springer-Verlag. 1988: 847-8.
20. Grayton JT, Wang SP. New knowledge of chlamydiae and the diseases they cause. *J Infect Dis* 1975; 132: 87-8.

21. Dean D, Patton M, Stephens RS. Direct sequence evaluation of major outer membrane protein gene variant regions of *Chlamydia trachomatis* suptypes D', I' and L2'. *Infect Immun* 1991; 59: 1579-82.
22. Erlich HA, Gelfand DH, Saiki RK. Specific DNA amplification. *Nature* 1988; 331: 461-2.
23. Saiki RK, Gelfand DH, Stoffel S, *et al.* Primer directed enzymatic amplification of DNA with a thermostable DNA polymerase. *Science* 1988; 239: 487-91.
24. Naher H, Drzonek H, Wolf M, *et al.* Detection of *Chlamydia trachomatis* in urogenital specimens by polymerase chain reaction. *Genitourin Med.* 1991; 67: 211-4.
25. Lucotte G, Petit MC, Francois MH, *et al.* Detection of *Chlamydia trachomatis* by use of polymerase chain reaction. *Mol Cell Probes* 1992; 6: 89-92.
26. Lan J, Melgers I, Meijer CJL, *et al.* Prevalence and serovar distribution of asymptomatic cervical *Chlamydia trachomatis* infections as determined by highly sensitive PCR. *J Clin Microbiol* 1995; 33: 3194-7.
27. Boonyaung W. Laboratory diagnosis and genotyping of *Chlamydia trachomatis* by using polymerase chain reaction and restriction fragment length polymorphism. M.S. thesis, Chiang Mai University, 1996.
28. ถวิล ประสงค์ทรัพย์. การสำรวจอุบัติการณ์การติดเชื้อ *Chlamydia trachomatis* ในหญิงอาชีพพิเศษและผู้ป่วยที่เข้ารับการรักษา ณ ศูนย์กามโรคเขต 10 เชียงใหม่. ภาคนิพนธ์วิทยาศาสตร์บัณฑิต (เทคนิคการแพทย์) คณะเทคนิคการแพทย์ มหาวิทยาลัยเชียงใหม่. 2539.
29. Wang SP, Kyo CC, Grayton JT. A simplified method for immunological typing of trachoma-inclusion conjunctivitis-lymphogranuloma venereum organism. *Infect Immun* 1973; 8: 356-60.

30. Wang SP, kuo CC, Bamer RC, *et al.* immunotyping of *Chlamydia trachomatis* with monoclonal antibodies. J Infect Dis 1991; 163: 1103-7.
31. Morrison RP, Manning DS, Caldwell HD. Immunology of *Chlamydia trachomatis* Infections: Immunoprotective and Immunopathogenetic Responses. In: Quinn TC (ed). Sexually Transmitted Diseases. New York: Raven Press. 1992: 57-84.
32. Dean D, Cshachter J, Dawson CR, *et al.* Comparison of the major outer membrane protein variant sequence regions of B/Ba isolates: a molecular epidemiologic approach to *Chlamydia trachomatis* infections. J Infect Dis 1992; 166: 383-92.
33. Frost EH, Reslandes S, Velleux S, *et al.* Typing *Chlamydia trachomatis* by detection of restriction fragment length polymorphism in the gene encoding the major outer membrane protein. J Infect Dis 1991; 163: 1103-7.
34. Yang CL, Maclean I, Brunham R. DNA sequence polymorphism of the *Chlamydia trachomatis omp1* gene. J Infect Dis 1993; 168: 1225-30.
35. Rodriguez P, Vekris A, Barbeyrac B, *et al.* Typing of *Chlamydia trachomatis* by restriction endonuclease analysis of the amplified major outer membrane protein gene. J Clin Microbiol 1991; 29: 1132-6.
36. Lan J, Walboomers JM, Roosendaal R, *et al.* Direct detection and genotyping of *Chlamydia trachomatis* in cervical scrapes by using PCR and restriction fragment length polymorphism analysis. J Clin Microbiol 1993; 31: 1060-5.
37. Frost EH, Deslandes S, Bourgaux-Ramoisy D. *Chlamydia trachomatis* serovars in 435 urogenital specimens typed by restriction endonuclease analysis of amplified DNA. J Infect Dis 1993; 168: 487-501.
38. ปราณี ลีชนะชัย. Restriction Fragment Length Polymorphism. ใน วสันต์ จันทราทิตย์, ปราณี ลีชนะชัย และ วาสนา ศิริรังษี (บก.), วิทยาการทันสมัยในการตรวจวินิจฉัยโครโมโซมและยีน, เชียงใหม่: ภาควิชาจุลชีววิทยาคลินิก คณะเทคนิคการแพทย มหาวิทยาลัยเชียงใหม่, 2539: หน้า 17-1 ถึง 17-15.

39. Wang SP, Grayton JT. Microimmunofluorescence Antibody Responses in *Chlamydia trachomatis* Infection. A review. In: Mardh PA, Holmes KK, Oriel JD, Piot P, Schachter J, (eds). Chlamydial Infections. Amsterdam: Elsevier Biomedical. 1982: 301-16.
40. Brunham R, Chunlin Y, Maclean I, *et al.* *Chlamydia trachomatis* from individuals in a sexual transmitted diseases core group exhibit frequent sequence variation in major outer membrane protein (*omp1*) gene. Clin Invest 1994; 94: 458-63.
41. Lampe MF, Suchland RL, Stamm WE. Nucleotide sequence of the variable domains with the major outer membrane protein gene from serovariants of *Chlamydia trachomatis*. Infect Immun 1993; 61: 213-9.
42. Sanger FS, Nicklen S, Coulson AR. DNA sequencing with chain terminating inhibitors. Proc Natl Acad Sci 1977; 74: 5463-7.
43. Perkin elmer. Comparative PCR sequencing a guide to sequencing based mutation detection. Perkin Elmer Corporation. Foster city. 1995: 1-4.
44. Sayada C, Denamur E, Grandchamp B, *et al.* Denaturing gradient gel electrophoresis analysis for the detection of point mutation in the *Chlamydia trachomatis* major outer membrane protein gene. J Med Microbiol 1995; 43: 14-25.
45. Lampe MF, Suchland RJ, Stamm WE. Nucleotide Sequence of Major Outer Membrane Protein of *Chlamydia trachomatis* D Serovar and Two D Variants. In: Bowie WR, Caldwell HD, Jones RP, Stamm WE (eds.). Chlamydia Infections. Proceedings of the 7th International Symposium on Human Chlamydial Infections. Cambridge: Cambridge University Press. 1990: 97-100.
46. Stothard DR, Bogusslawsk G, Jones RB. Phylogenetic analysis of the *Chlamydia trachomatis* major outer membrane protein (MOMP) and examination of potential pathogenic determinants. Infect Immun 1998; 66: 3618-25.

47. van Duynhoven YTHP, Ossewaarde JM, Derksen-Nawrocki RP, *et al.* *Chlamydia trachomatis* genotypes: correlation with clinical manifestations of infection and patients' characteristics. *Clin Infect Dis* 1998; 26: 314-22.
48. Rodriguez P, Allardet-Servent A, Ramuz M, *et al.* Genetic variability among *Chlamydia trachomatis* reference and clinical strains analyzed by pulsed-field gel electrophoresis. *J Clin Microbiol* 1994; 32: 2921-8.
49. National Institute of Health. Serotypes of *Chlamydia trachomatis* isolated from the cervixes and clinical symptoms of the patients in Japan. *Infectious Agent Surveillance Report*. [online], 1998; 19 (9). Available: <http://idsc.nih.gov/iasr/19/223/graph/dt22331.gif>. [1998, January 30].
50. Lampe MF, Wong KG, Stamm WE. Sequence conservation in the major outer membrane protein gene among *C. trachomatis* strains isolated from the upper and lower urogenital tract. *J infect Dis* 1995; 172: 589-92.
51. Lampe MF, Kuehl LM, Wong KG, *et al.* *Chlamydia trachomatis* Major Outer Membrane Protein Variants Escape Neutralization by Polyclonal Human Immune Sera. In: Orfila J, Byrne GI, Chernesky MA (eds). *Chlamydial Infections: proceedings of the 8th International Symposium on Human Chlamydial Infections*. Bologna: Societa Editrice Esculapio. 1994: 91-4.
52. Tindall KR, Kunkel TA. Fidelity of DNA synthesis by the *Thermus aquaticus* DNA polymerase. *Biochem* 1988; 27: 6008-13.
53. Eckert KA, Kunkel TA. High fidelity DNA synthesis by the *Thermus aquaticus* DNA polymerase. *Nucleic Acid Res* 1990; 18: 3739-44.
54. Saiki RK, Gelfand DH, Stoffel S, *et al.* Directed enzymatic amplification of DNA with a thermostable DNA polymerase. *Science* 1988; 230: 487-91.