REFERENCES

1. Bull, T. Alan, and Meadow, M. Pauline. Companion to Microbiology Selected Topics for Furture Study. pp. 148 -149. New York : Longman, 1978.

2. Liu, P.V. " Biology of Pseudomonas aeruginosa." Hosp. Pract. 11 (1976) : 139 - 147.

3. Smith, L.A. Microbiology and Pathology. 10th ed. Saint Louis : The C.V. Mosby Company, 1972.

4. Cruickshank, Robert, Dugid, J.P., Marinion, B.P. and Swain, H.A. Medical Microbiology. pp. 341 - 342. London : The English Language Book Society and Churchill, 1973.

5. Breed, S. Robert, Murray, E.G.D., and Smith, R. Nathan. Bergey's Manual of Determinative Bacteriology. pp. 90 - 99. Baltimore : The Williams & Wilkins Company, 1957.

6. Buchanan, R.E., Gibbons, N.E., Cowan, S.T., Holt, J.G. and Liston, J. Bergey's Manual of Determinative Bacteriology. pp. 217 - 222. Baltimore : The Williams & Wilkins Company, 1974.

7. Jawetz, Ernest, Melnick, L.J. and Adelberg, A.E. Review of Medical Microbiology. 3rd ed. California : Lange Medical Publication, 1958.

8. Liu, P.V. " Extracellular Toxins of Pseudomonas aeruginosa " J. Infect. Dis. 130 (1974) : 594 - 599.

9. E. Yabuchi and Ohyama."A Characterization of Pyomelanine Producing Strains of Pseudomonas aeruginosa." Internat. J. Syst. Bacteriol. 22 (1972) : 53 - 64.

10. Fingold, S.M., Marlin, W.J., and Scott, E.G. Diagnostic Microbiology. pp. 185 - 186. 5th ed. Saint Louis : The C.Y. Mosby Company, 1978.

11. Gillies, R.R., and Dodds, T.C. " Pseudomonas Pyocyanea " Bacteriology Illustrated. pp. 106 - 108. 3rd ed. London : Churchill Livingstone, 1973.

12. Volk, W.A. " Enterics and Related Gram-Negative Organisms." Essential of Medical Microbiology. p 304. New York : J.B Lippincott Company, 1978.

13. Gerke, J.R., Magliocco, M.V. " Experimental Pseudomonas aeruginosa Infection of the Mouse Cornea. " Infect. Immun. 3 (1971) : 209 - 216.

14. Kreger, A.S., Griffin, O.K. " Physicochemical Fractionation of Extracellular Cornea-Damaging Proteases of Pseudomonas aeruginosa." Infect. Immun. 9 (1974) : 828 - 834.

15. Liu, P.V. " The Role of Various Fractions of Pseudomonas aeruginosa in Its Pathogenesis. " II Effects of Lecithinas and Protease J. Infect. Dis. 116 (1966): 112 - 116.

16. Liu, P.V. " The Role of Various Fractions of Pseudomonas aeruginosa in Its Pathogenesis." III Identify of the Lethal Toxin Produced in Vitro and in Vivo. J. Infect. Dis. 116 (1966) : 481 - 489.

17. Johnson, G., Morris, J., Berk, R.S. " The Extracellular Proteases from Pseudomonas aeruginosa Exhibiting Elastase Activity." Can. J. Microbiol. 13 (1967) : 711 - 719.

18. Kurioka, S., and Liu. P.V. " Effect of the Hemolysin of Pseudomonas aeruginosa on Phosphatides and on Phospholipase C Activity." J. Bacteriol. 93 (1967) : 670 - 674.

19. Esselmann, M., Liu P.V. " Lecithinase Production by Gram-Negative Bacteria." J. Bacteriol. 81 (1961) : 939 - 945.

20. Jarvis, F.G., Johnson, M.J. " A Glycolipide Produced by Pseudomonas aeruginosa." J. Am. Chem. Scc. 71 (1949) : 4124 - 4126.

21. Kubota, Y., and Liu, P.V., " An Enterotoxin of Pseudomonas aeruginosa." J. Infect. Dis. 123 (1971) : 97 - 98.

22. Kusama, H., Suss, and R.H. " Vascular Permeability Factor of Pseudomonas aeruginosa." Infect. Immun. 5 (1972) : 363 - 369.

23. Brown, M.R.W., Foster, J.H.S., Clamp, J.R. " Composition of Pseudomonas aeruginosa Slime." Biochem. J. 112 (1959) : 521 - 525.

24. Schwartzmann, S., Boring, J.R. " Antiphagocytic Effect of Slime from a Mucoid Strains of Pseudomonas aeruginosa." Infect. Immun. 3 (1971) : 762 - 767.

25. Sensakovic, J.W., Bartell, P.F. " The Slime of Pseudomonas aeruginosa." Biological Characterization and Possible Role in Experimental Infection. J. Infect. Dis. 129 (1974) : 101 - 109.

26. Liu, P.V., Abe, Y., and Bates, J.L. " The Role of Various Fractions of Pseudomonas aeruginosa in Its Pathagenesis." J. Infect. Dis. 108 (1961) : 218 - 228.

27. Alms, T.H., Bass and J.A. " Immunization against Pseudomonas aeruginosa." I Induction of Protection by An Alcohol-Precipitated Fraction from the Slime Layer. J. Infect. Dis. 117 (1967) : 249 - 256.

28. Adrian, N.C., and Delaat, A.R.T. Microbiology for the Allied Health Professions. pp. 103 - 104. 2nd ed. Philadelphia: Lea & Febiger, 1979.

29. Liu, P.V., Yoshii, S., and Hsieh, H. " Exotoxin of Pseudomonas aeruginosa." II Concentration, Purification and Characterization of Exotoxin A. J. Infect. Dis. 128 (1973) : 514 - 519.

30. Kungsakulniti, N. Studies on Pathogenesis of Pseudomonas aeruginosa in Experimental Animals. A Thesis Submited in Partial Fulfillment of the Requirements for the Degree of Master of Science in Pharmacy, Department of Microbiology Graduate School Chulalongkorn University, 1979.

31. Duke, J., and Berk, R.S. " Growth Inhibition and Pyocin Receptor Properties of Endotoxin from Pseudomonas aeruginosa. Proc. Soc. Exp. Biol. Med 145 (1974) : 1405 - 1408.

32. Homma, J.Y., Hamamura, N., and Ashizawa, Y. " The Chromatographic Purification of Bacteriophage and Endotoxin of Pseudomonas aeruginosa." Japan J. Microb. 5 (2) (1961) : 149 - 155.

33. Homma, J.Y., Suzuki, N., and Ito, F. " The Surface Structure of Pseudomonas aeruginosa." J. Immun. 90 (1963) : 819 - 827.

34. Homma, J.Y., and Suzuki, N., " Cell-Wall Protein A of Pseudomonas aeruginosa and Its Relationship to Original Endotoxin Protein J. Bacteriol. 87 (1964) : 630 - 640.

35. Ohki, M., Nakamura, T., Morita, T., and Iwanaga, S. Studies on the Mechanism of Limulus Test. Japan. J. Med. Sci. Biol. 34 (1) (1981) : 52.

36. Homma, J.Y., and Suzuki, N. A Simple Protein with pyocine Isolated from the Cell-Wall of Pseudomonas aeruginosa and Its Close Relation to Endotoxin. Japan. J. Exp. Med. 31 (3) 1961) : 209 - 213.

37. Kadis, Solomon, Weinbaum, George and Ajl, S.J. " Bacterial Endotoxin." Microbial Toxin. pp. 107 -108. volume 5, (1971).

38. Michaels, G.B., and Eagon, R.G. " Chemical Characterization of Endotoxin Lipopolysaccharide from Three Strains of Pseudomonas aeruginosa." Proc. Soc. Exp. Biol. Med. 131 (1969) : 1346 - 1349.

39. Homma, J.Y. Recent Investigation on Pseudomonas aeruginosa. Japan. J. Exp. Med. 41 (1971) : 387 - 400.

40. Homma, J.Y., Watabe, H. and Tanabe, J. " The Temperate Phages Having Serological Relationship with the Phages Bound Pyocin." Japan. J. Exp. Med. 38 (3) (1968) : 213 - 224.

41. Abe, C., Tanamoto, K., and Homma, J.Y. " Infection Protective Property of the Common Antigen (OEP) of Pseudomonas aeruginosa and Its Chemical Composition." Japan. J. Exp. Med. 47 (1977) : 393 - 402.

42. Lowell, S. Young. " Role of Antibody in Infection Deu to Pseudomonas aeruginosa." J. Infect. Dis. 13 (1974) : S111 - S118.

43. Abe, C., Shionoya, H., and et al " Common Protective Antigen (OEP) of Pseudomonas aeruginosa." Japan. J. Exp. Med. 45 (5) (1975) : 355 - 359.

44. Tanamoto, K., Abe, C., and et al " A Compound possessing Antitumor and Interferon-Inducing Activities Derived from the Common Antigen (OEP) of Pseudomonas aeruginosa." J. Biochem. (Tokyo). 83 (1978) : 711 - 718.

45. Inada, K. " Complement Activating Property of the Protein-Rich-Endotoxin (OEP) of Pseudomonas aeruginosa. " II Complement Activating Property of the Lipopolysaccharide Protein and the Inhibition by Polymyxin B. Japan. J. Exp. Med. 50 (2) (1980) : 107 - 115.

46. Fajards, C.L., and Laborde, H.F. " Pseudomonas Vaccine " III Evalution of a polyvalent vaccine. J. Bacteriol. 95 (1968) : 1968 - 1969.

47. Fisher, M.W., Devlin, H.B., and Gnabsik, F.J. New Immunotype Schema for Pseudomonas aeruginosa Based on Protective Antigen J. Bacteriol. 98 (1969) : 835 - 836.

48. Haranaka,K., Sugane, K., and Mashimo, K. " Combination Therapy of Anti-Endotoxin Antibody and Gentamicin in the Immunosuppressed Mice with Pseudomonas aeruginosa Infection." Japan. J. Exp. Med. 45 (1975) : 207 - 213.

49. Sasaki, M., Ito, M., and Homma, J.Y. " Immunological Studies on the Original Endotoxin Protein (OEP) of Pseudomonas aeruginosa." Adjuvant Effect of OEP in Vivo. Japan. J. Exp. Med. 45 (5) (1975) : 335 - 343.

50. Nowotny, A.M., Scott, I., Duron, O.S., and Nowotny, A." Relation of Structure to Function in Bacterial O Antigents. " I. Isolation Method. J. Bacteriol. 85 (1963) : 418.

51. Lowry, O.H., Rosebrough, N.J., Farr, A.L., and Randall, R.J. " Protein Measurement with Folin Phenol Reagent. " J. Biol. Chem. 193 (1951) : 245 - 275.

52. Litch field, J.T., and Wilcoxon, F. " A Simplified Method of Evaluating Dose-Effect Experiments." J. Pharmacol. Exp. Ther. 94 (1948) : 99 - 113.

53. Goldstein, A., Arorow, L., and Kalman, S.M. Principle of Drug Action. p. 380 2nd ed. New York : A Wiley Biomedical Health Publication, John Wiley & Sons, 1974.

54. Culling, G.F.A. Hand Book of Histopathological and Histochemical Techniques. pp. 192 - 196. London : Butter worth & Co., 1974.

55. Sheehan, D.C., and Harpchak, B.B. Theory and Practice of Histotechnology. pp. 18 - 19. Saint Louis : The C.V. Mosby Co., 1973.

56. Preece, A. A Manual for Histologic Technicians pp. 58 - 61. Bonton : Little Brown and Company, 1972.

57. Ouchterlony, O. " In Vitro Method for Testing the Toxin Producing Capacity of Diphtheria Bacillus." Acta Patho. Microbiol. Scand. 25 (1948) : 186 - 191.

58. Markley, K., Gurmendi, G., Chavez, P.M., and Bazan, A. " Fatal Pseudomonas Septicemias in Burned Patients." Ann. Surg. 145 (February 1957) : 175 - 181.

59. Pollack, M., and Young, L.S. " Protective Activity of Antibodies to Exotoxin A and Lipopolysaccharide at the On Set of Pseudomonas aeruginosa Septicemia in Man." J. Clin. Invest. 63 (1979) : 276 - 286.

60. Reynolds, H.Y., and Thompson, R.E. " Pulmonary Host defences I." Analysis of Protein and Lipid in Bronchial Secretions and Antibody Responses after Vaccination with Pseudomonas aeruginosa. J. Immunol. 111 (1973) : 358 - 368.

61. Alexander, J.W., and Fisher, M.W. " Immunization Againt Pseudomonas Infection After Thermal Injury. " J. Infect. Dis. 130 (1974) : S152 - S158.

62. Pierson, C.L., Johnson, A.G. and Feller, I. " Effect of Cyclophosphomide on the Immune Response to Pseudomonas aeruginosa in Mice." Infect. Immun. 14 (1976) : 168 - 177.

63. Fisher, M.W. " Development of Immunotherapy for Infections Due to Pseudomonas aeruginosa." J. Infect. Dis.130 (1974) : S149 - S151.

VITA

Name	Miss Nualchan Charoenkul
Education	Bachelor of Sciences in Pharmacy in 1975 Faculty of Pharmaceutical Sciences, Centro Escolar University, Manila, Philippines.
Position	Specialized Food and Drugs Administration Narcotics Control Division, Ministry of Public Health.