



REFERENCES

1. Heeres, J.; Backx, L.J.J., Mostmans, J.H. and Van Cutsen, J.: The synthesis and antifungal activity of ketoconazole, a new potent orally active broad spectrum antifungal agent. *J. of Medical Chemistry* 22:1003-1007, 1979.
2. Medoff, G. and Kobayashi, G.S.: Strategies in the treatment of systemic fungal infections. *New England Journal of Medicine*. 302:145-157. 1980.
3. Peeters, O.M.; Blaton, N.M. and De Ranter, C.J.: Cis-1-acetyl-4-(4-[[2-(2,4-dichlorophenyl)-1-imidazolyl-methyl]-1,3-dioxolan-4-yl]methoxy)phenyl)-piperazine: Ketoconazole a crystal structure with disorder. *Acta Crystallographica* B35:2461, 1979.
4. Authority of the United States Pharmacopeial Convention. The United States Pharmacopeia. 16th edition, Mack Printing Company, 1984.
5. Levine, H.B., Drouhet, E., Hay, R.J., Jones, H.E., and Restrepo, A.: ketoconazole in the Management of Fungal Disease. Australia: ADIS Press, 1982.
6. Gaydos, C.A., Otcy, C.S., Brown, S.L., Keiser, J.F. and Fischer G.W. Susceptibility of staphylococcus and enterococcus to miconazole and ketoconazole. Presented at the American Society for Microbiology Annual Meeting Los Angeles, California, 1979.
7. De Nollin, S. and Borgers, M.. An ultrastructural and cytochemical study of *Candida albicans* after in vitro treatment with imidazoles. *Mykosen* 19:317-328, 1976.
8. เกษัชวิทยา เล่ม 2 ยาด้านเชื้อต่อระบบภายใน (Systemic Antifungal agents). พิมพ์ครั้งที่ 2 กรุงเทพฯ : ภาควิชาเภสัชวิทยา คณะ เกษัชศาสตร์ มหาวิทยาลัยมหิดล, 2534.

9. Fibbe, W.E, Van Der Meer, J.W.M., Thompson, J. and Mouton, R.P.. CSF concentrations of ketoconazole. *Journal of Antimicrobial Chemotherapy* 6(5):681, 1980.
10. Brass, C., Galgiani, J.N. and Stevens, D.A.. Treatment of coccidioidomycosis with oral ketoconazole. *Proceedings of the 24th Annual Coccidioidomycosis study Group meeting, Las Vegas, Nevada, May 15, 1979.*
11. Gray bill, J.R., Herndon, J.H., Kniker, W.T and Levine, H.B.. Ketoconazole treatment of chronic mucocutaneous candidiasis. *Archives of Dermatology* 116:1137-1147, 1980.
12. DeFelice, R., Johnson, D.G and Galgiani, J.N. Gynecomastia with ketoconazole. *Antimicrob Agents Chemother.* 19:1073-4, 1981.
13. Pont A, et al. High-dose ketoconazole therapy and adrenal and testicular function in humans. *Arch Intern Med.* 144:2150-3, 1984.
14. Schurmeyer, T. and Nieschlag, E.. Effect of ketoconazole and other imidazole fungicides on testosterone biosynthesis. *Acta Endocrinol.* 105:275-80, 1984.
15. Bradbrook, I.D., et.al. Effect of single and multiple doses of ketoconazole on adrenal function in normal subject. *Pharmacol* 20:163-5, 1985.
16. White, M.C., Kendall-taylor, P.. Adrenal hypofunction in patients taking ketoconazole. *Lancet* i:44-5, 1985.
17. Dandona, P., et al. Non-suppression of cortisol secretion by long term treatment with ketoconazole in patients with acute leukaemia. *J Clin Pathol.* 38:677-8, 1985.
18. Pont, A., Williams, P.L. and Loose, D.S.. Ketoconazole inhibits adrenals steroid synthesis. *Clin Res* 30:32 A, 1982.
19. Pont, A., Williams, P.L. and Loose, D.S.. Ketoconazole blocks adrenal steroid syntheses. *Ann Intern Med.* 97:370-2, 1982.

20. Pillans, P.I., et al. Hyponatraemia and confusion in a patient taking ketoconazole. *Lancet* i:821-2, 1985.
21. McCanee, D.R., et al. Acute hypoadrenalism and hepatotoxicity after treatment with ketoconazole. *Lancet* i:573, 1987.
22. Best, T.R., et al. Persistent adrenal insufficiency secondary to low-dose ketoconazole therapy. *Am J Med* 82:676-80, 1987.
23. Khosla, S., et al. Adrenal Crisis in the setting of high dose ketoconazole therapy. *Arch Intern. Med* 149:802-4, 1987.
24. Janssen, P.A., Synoens, J.B. Hepatic reactions during ketoconazole Treatment. *Am. J. Med* 74:80-5, 1983.
25. Lewis, J.H., Zimmerman, H.J., Benson, G.D. and Ishak, G.. Hepatic injury associated with ketoconazole therapy. Analysis of 33 Cases. *Gastroenterology*. 86:503-13, 1984.
26. De Robertis, E.D.P., and De Robertis, E.M.F. Mitochondria and oxidative phosphorylation. In, *Cell and Molecular biology*, pp. 291-324. Hong Kong: Info-Med limited, 1988.
27. Olson, M.S. Bioenergetics and oxidative metabolism. In T.M. Devlin (ed.), *Textbook of biochemistry with clinical correlations*, pp. 255-324. New York: A Wiley Medical Publication, 1982.
28. Rawn, J.D. Oxidative phosphorylation. In, *Biochemistry*, pp.359-383. North Carolina: Carolina Biological Supply Company, 1989.
29. Avers, C.J. Mitochondrial, In, *Molecular cell biology*, pp. 305-361. California: The Benjamin/Cumming. Publishing Company, 1986.
30. Darnell, J., Lodish, H., and Baltimore, D. Energy conversion: the formation of ATP in chloroplasts, mitochondria, and bacteria. In, *Molecular cell biology*, pp. 859-910. New York: Scientific American Books, Inc., 1986.

31. Parson, W.W. Electron Transport and oxidative phosphorylation. In G.Zluby (ed.) *Biochemistry*, pp.379-413. United States of America: Wm. C.Brown Communications, Inc., 1993.
32. Hatefi, Y. The mitochondrial electron transport and oxidative phosphorylation system, *Ann. Rev. Biochem.* 54:1015-1069, 1985.
33. Hogeboom, G.H. Fractionation of cell components of animal tissues. In S.P. Colowick, and N.O. Kaplan (eds.), *Methods in enzymology*, vol. 1 pp. 16-19. New York: Academic Press, 1955.
34. Myers, D.K., and Slater, E.C. The enzymic hydrolysis of adenosine triphosphate by liver mitochondria. I. Activities at different pH values. *Biochem. J.* 67:558-52, 1957.
35. Sordahl, L.A., et al. *Methods in pharmacology* In A. Schwartz (ed.), pp. 247-286. New York: Merdith Corporation, 1971.
36. Fowler, B.A., Lucier, G.W., and Hayes, A.W. Principles and methods of toxicology In A.W. Hayes (ed.) pp. 635-658 New York: Raven Press, 1982.
37. Chance, E., and Williams, G.R. The respiratory chain and oxidative phosphorylation. *Advances Enzymology* 17:65-134, 1956.
38. Estabrook, R.W. Mitochondrial respiratory control and the polarographic measurement of ADP: O ratios. In S.P. Colowick, and N.O. Kaplan (eds.), *Method in enzymology*, Vol.10 pp.41-47. New York: Academic Press, 1967.
39. Weinbach, E.C. Pentachlorophenol and mitochondrial adenosinetriphosphatase. *J.Biol.Chem.* 221:609-618, 1956.
40. Bertina, R.M., and Slater, E.C. The effects of phosphate and electron transport on the carbonyl cyanide m-chlorophenyl hydrazone-induced ATPase of rat liver mitochondria. *Biochim. Biophys. Acta.* 376:492-504, 1975.

41. Fiske, O.H., and Subbarow, Y. The colorimetric determination of phosphorus. *J. Biol. Chem.* 66 :375-400, 1925.
42. Lowry, O.H., Rosebrough, N.J., Farr, A.L., and Randall, R.J. Protein measurement with Folin Phenol Reagent. *J. Biol. Chem.* 193:265-275, 1951.
43. Miller, G.L. Protein determination for large number of samples. *Anal. Chem.* 31:964, 1959.
44. Chudapongse, P., and Janthasoot, W. Mechanism of the inhibitory action of capsaicin on energy metabolism by rat liver mitochondria. *Biochem. Pharmacol.* 30:735-740, 1981.
45. Reanmongkol, W., Janthasoot, W., Wattanatorn, W., Dhumma-Upakorn, P., and Chudapongse, P. Effects of piperine on bioenergetic functions of isolated rat liver mitochondria. *Biochem. Pharmacol.* 37:753-757, 1988.
46. Nuttasiri Saeyib. Inhibition of energy-linked functions of isolated rat liver mitochondria by amiodarone. Master's Thesis Chulalongkorn University, 1992.
47. Lehninger, A.L. Phosphorylation coupled to oxidation of dihydrodiphosphopyridine nucleotide. *J. Biol. Chem.* 190:345-359, 1951.
48. Godinot, C., Gautheron, D.C., Galante, Y., and Hatefi, Y. Labelling of thiols involved in the activity of complex V of the mitochondrial oxidative phosphorylation system. *J. Biol. Chem.* 256:6776-6782, 1981.
49. Le-quoc, K., and Le-quaoc, D. Control of the mitochondrial inner membrane permeability by sulfhydryl groups. *Arch. Biochem. Biophys.* 216:631-651, 1982.
50. Robillard, G.T., and Konings, W.N. A hypothesis for the role of dithiol-disulfide interchange in solute transport and energy-transducing processes. *Eur. J. Biochem.* 127:597-604, 1982.

51. Cleland, W.W. Dithiothreitol, a new protective reagent for SH group. *Biochemistry* 3:480-482, 1964.
52. Gunter, T.E., and Pfeiffer, D.R. Mechanisms by which mitochondria transport calcium. Invited review :C755-C786, 1990.
53. Carafoli, E. Intracellular calcium homeostasis. *Ann. Rev. Biochem.* 56:395-433, 1987.
54. Molinoff, P.B. and Ruddon, R.W. (edu.) the *Pharmacological Basis of Therapeutics*, 9th edition, McGraw-Hill, New York, pp. 1181- 1182, 1996.



สถาบันวิทยบริการ
จุฬาลงกรณ์มหาวิทยาลัย

VITAE

Mr. Sakdipat Sangsuriyong was born in Karnjanaburi province on April 28, 1972. In primary school , he finished prathom 6 from Pang-nga province. After that he moved to bangkok for high school education, Bangkok Christian college(M1 to M5). Five years later, he had graduated with B.S.Pharm., from Faculty of Pharmacy, Rangsit University in 1994. He immediately came to study for Master degree in Pharmacy at the Faculty of Pharmaceutical Sciences, Chulalongkorn University.

สถาบันวิทยบริการ
จุฬาลงกรณ์มหาวิทยาลัย