



REFERENCES

- Atkinson, P.J., Hancock, D.A., Acharya, V.N., Parsons, F.M., Proctor, E.A., and Reed, G.W. Changes in skeletal mineral in patients on prolonged maintenance dialysis. *Br Med J.* 4 (1973): 519 - 522.
- Andress, D.L., Norris, K.C., Coburn, J.W. , Slatopolsky, E.A., and Sherrard, D.J. Intravenous calcitriol in the treatment of refractory osteitis fibrosa of chronic renal failure. *N Engl J Med.* 321 (1989): 274 - 284.
- Andress, D.L., and Sherrard, D.J. The osteodystrophy of chronic renal failure. In R.W. Schrier, and C.W. Gottschalk (eds.), *Disease of the Kidney* . pp. 2759-2788. London: Little, Brown and Company , 1993.
- Ben-Ezer, D., Shany, S., Gonfory, A., Rapoport, J., Edelstein, S., Bdolah-Abram, T., Jafka, D.R., and Chaimowitz, C. Oral administration of 24,25(OH)2D3 suppresses the serum parathyroid hormone levels of dialysis patients. *Nephron.* 58 (1991): 283-287.
- Berl, T., Beens, A.S., Huffer, W.E., Hamill, K., Alfreya, C., and Arnauld, C.D. 1,25 Dihydroxycholecalciferol effects in chronic dialysis : a double- blind controlled study. *Ann Intern Med.* 88 (1978): 774-780.
- Bordier, P. Vitamin D metabolism and bone mineralisation in man. *J Clin Endocrinol Metab.* 46 (1978): 284-294.
- Buccianti, G., Bianchi, M.L., Valenti, G. Progress of renal osteodystrophy during continuous peritoneal dialysis. *Clin Nephrol.* 22 (1984): 279-283.
- Buccianti, G., Bianchi, M.L., Valenti, G., Lorenz, M., and Cresseri, D. Effects of calcifediol treatment on the progression of renal osteodystrophy during continuous ambulatory peritoneal dialysis. *Nephron.* 56 (1990): 353-356.

- Brown, E.M., Wilson, R.E., Eastman, R.C., Pallotta, J., and Marynick, S.P.
Abnormal regulation of parathyroid hormone release by calcium in secondary
hyperparathyroidism due to chronic renal failure.
J Clin Endocrinol Metab. 54 (1982): 172 - 179.
- Brumbaugh, P. F., Huges, M. R., and Haussler, M. R. Cytoplasmic and nuclear
binding components for 1,25 dihydroxy vitamin D₃ in chick parathyroid
glands. *Proc Natl Acad Sci USA.* 72 (1975): 4871 - 4875.
- Cannata, J.B., Briggs, J.D., Fell, G.S., and Junor, B.J.R. Comparison of control of
serum phosphate levels during continuous ambulatory peritoneal dialysis and
during hemodialysis. *Perit Dial Bull.* 3 (1983): 97-98.
- Christiansen, C., Christensen, M.S., Melsen, J., Rodbro, P., and Deluca, H.F. Mineral
metabolism in chronic renal failure with special reference to serum
concentration of 1,25(OH)2D₃. *Clin Nephrol.* 15 (1981): 18.
- Coburn, J.W., Renal osteodystrophy. *Kidney Int.* 17 (1980): 677-693.
- Coburn, J.W., and Slatopolsky, E. Vitamin D, parathyroid hormone, and the renal
osteodystrophies. In B.M. Brenner, and F.C. Rector (eds.), *The Kidney*,
pp. 2036- 2122. Philaedphia : W.B. Saunders Company , 1991.
- Coburn, J.W. Mineral metabolism and renal bone disease: effects of CAPD
versus hemodialysis. *Kidney Int.* 43 (1993): s92-s100.
- Ellis, H.A., Pierides,A.M., Feest, T.G., Ward, M.K., and Kerr, D.N.S.
Histopathology of renal osteodystrophy with particular reference to the
effects of 1-hydroxyvitaminD₃ in patients treated by long term
hemodialysis. *Clin Endocrinol.* 7 (1977): 315-385.
- Delmez, J.A., Slatopolsky, E., Martin, K.J., Gearing, B.N., and Harter, H.R.
Minerals, vitamin D and parathyroid hormone in continuous ambulatory
Peritoneal dialysis. *Kidney Int.* 21 (1982): 862-867.

- Delmez, J.A., Fallon, M.D., Bergfeld,M.A., Gearing,B.K., Daugan, C.S., and Teitelbaum, S.L. Continuous ambulatory peritoneal dialysis and bone. *Kidney Int.* 30 (1986): 379-384.
- Delmez, J.A., Tindira, C., Grooms, P., Dusso, A., Windus, D.W., and Slatopolsky, E.. Parathyroid hormone suppression by intravenous 1,25-dihydroxyvitamin D : a role for increase sensitivity to calcium. *J Clin Invest.* 83 (1989): 1349-1355.
- Dunlay, R., Rodriguez, J., Felsenfield, A.J., and Llach, F. Direct inhibitory effect of calcitriol on parathyroid function (sigmoidal curve) in dialysis. *Kidney Int.* 36 (1989): 1093-1098.
- Dusso, A., Lopez-Hilker, S. , Rapp, N., and Slatopolsky, E. Extra-renal production of calcitriol. *Kidney Int.* 34 (1988): 368-378.
- Gallienti, M., et al. Low dose intravenous calcitriol treatment of secondary hyperparathyroidism in hemodialysis patients. *Kidney Int.* 42 (1992): 1191-1198.
- Goldman, R.,and Bassett, S.H. Phosphorus excretion in renal failure. *J Clin Invest.* 33 (1954): 1623 1628.
- Guillot, M., Garabedian, M., Lavocat, C., Guilloco, H., Gagnadoux, M.F., Balson, S., and Broyer, M. Evaluation of 25-hydroxy vitamin D and vitamin D binding protein losses in thirteen children on continuous ambulatory peritoneal dialysis. *Int J Pediatr Nephrol.* 4 (1983): 99-102.
- Habener, J.F., and Potts, J.T.Jr. Relative effectiveness of magnesium and calcium on the secretion and biosynthesis of parathyroid hormone in vitro. *Endocrinology.* 98 (1976): 198 - 202.

- Herz, G., Pei, Y., Manuel, A., Saiphoo, C., Goodman, W.G., Segre, G.U., and Sherrard, J.F. Aplastic osteodystrophy without aluminum in dialysis patients. *Kidney Int.* (abs) , 37 (1990): 449 .
- Holic, M.F. Vitamin D and the kidney. *Kidney Int.* 32 (1987): 912 - 929
- Krane, S.M., and Holick, M.F. Rickets and osteomalacia. In K.J. Isselbacher, E. Braunwald, J.D. Wilson, J.B. Martin, A.S. Fauci, D.L. Kasper (eds). *Harrison's Principles of Internal Medicine*. pp. 2177-2183. New York : Mc Graw-Hill Inc , 1994.
- Korkor, A. Reduce binding of 3H 1,25-dihydroxyvitamin D3 in the parathyroid glands of patients with renal failure. *N Engl J Med.* 316 (1987): 1573-1577.
- Massary, S.G., Coburn, J.W., Le, D.B.N., Jowsey, J.,and Kleeman, C.R. Skeletal resistance to parathyroid hormone in renal failure, study in 105 human subjects. *Ann Intern Med.* 78 (1973): 357 - 364.
- Muramoto, H., Haruki, K., Yoshimura, A., Mino, N., Oda, K., and Tofuku, Y. Treatment of refractory hyperparathyroidism in patients on hemodialysis by intermittent oral administration of 1,25 (OH)2 vitamin D3. *Nephron* 58 (1991): 288-294.
- Olgard, K., Finco, D., Schwartz, J., Arbelz, M., Teitelbaum, S., Avioli, L., Klahr, S.,and Slatopolsky, E.. Effect of 24,25-dihydroxy vetamin D3 on PTH levels and bone histology in dogs with chronic uremia. *Kidney Int.* 26 (1984): 791 - 797.
- Walczak, N., Levin, N., Santiago, G., and Cruz, C. Hemodialysis on bone mineral content of the radius. *A J R* .126 (1976): 1292 - 1293.
- Pierce-Myli, M., and Perides, A. Iron and aluminum osteomalacia during hemodialysis: a new syndrome. *Kidney Int.* . 25 (1984): 151 A

- Quarles, L.D., Davidai, G.A., Schwab, S.L., Bartholomay, D.W., and Lobburgh, B. Oral calcitriol and calcium: efficient therapy for uremic hyperparathyroidism. *Kidney Int.* 34 (1988): 840-844.
- Rudnicki, M., McNair, P., Transbol, I.B., and Nielsen, B. Lack of relationship between parathyroid hormone and 1,25-dihydroxyvitamin D in chronic renal failure. *Nephron.* 58(1991): 144-149.
- Salusky, I. B., Fine, R.N., Kangaroo, H., Gold, R., Paunier, L., Goodman, W.G., Prill, J.E., Gilli, G., Slatopolsky, E., Coburn, J.W. High -dose calcitriol for control of renal osteodystrophy in children on CAPD. *Kidney Int.* 32 (1987): 89-95.
- Salusky, I.B., Goodman, W.G., Horst, R., Segre, G.V., Kim, L., Keith, M.S., Norris, C., Adams, J.S., Holloway, M., Fine, R.N., and Coburn, J.W. Pharmacokinetics of calcitriol in continuous ambulatory and cycling peritoneal dialysis patients. *Am J Kidney Dis.* 16 (1990):126-132.
- Seeman, E., Kumar, R., Hunder, G.G., Scot, M., Heath, H., and Riggs, B.L. Production ,degradation and circulating levels of 1,25 di- hydroxy vitamin D in health and chronic glucocorticoid excess. *J Clin Invest.* 66(1980):664.
- Sherrard, D.J., Baylink, D.J., Wergedal, J.E., Maloney, N. Quantitative histological studies on the pathogenesis of uremic bone disease. *J Clin Endocrinol Metab.* 39 (1974): 119 -135.
- Sherrard, D.J., Coburn, J.W., and Bricuman, A.S. Skeletal resistance to treatment with 1,25-dihydroxy vitamin D in renal failure. *Contrib Nephrol.* 18 (1980): 12 - 22.
- Sherrard , D.J., Heroz, G., Pei, Y., Maloney, N.A., Greenwood, C., Manuel, A., Saiphoo, C., Fenton, S.S., and Segre, G.V. The spectrum of bone disease in end-stage renal failure -an evolving disorder . *Kindney Int.* 43 (1993): 436-442.

- Shustermann, N., et al. Favorable response of renal osteodystrophy in CAPD patients (abstract). Am Soc Nephrol. 18 (1985): 88 A.
- Silver, J. Naweth-Many, T., Mayer, H., Schemeler, H.J., and Popovtzer, M.M. Regulation by vitamin D metabolites of parathyroid hormone gene transcription in vivo in the rat. J Clin Invest. 78 (1986): 1296-1301.
- Slatopolsky, et al. The parathyroid - calcitriol axis in health and chronic renal failure. Kidney Int. 38 S 29 (1990): 341 - 353.
- Smith, A.J., Faugere, M.C., Abreo, K., Fanti, P., Jullian, B., Malluche, H.H. Aluminum related bone disease in mild and advanced renal failure. Evidence for high prevalence and morbidity, and studies on etiology and diagnosis. Am J Nephrol. 6 (1986): 275-283.
- Szabo, A., Merke, J. Beier, E., Mall, G., and Ritz, E. 1.25 OH₂ vitamin D3 inhibits parathyroid cell proliferation in experimental uremia. Kidney Int. 35 (1989): 1049-1056.
- Tsukamoto, Y., Nomura, M., Takahashi, Y., Takagi, Y., Yoshida, A., Nagaoka, T., Togashi, K., Kakawada, R., and Marumo, F. The ' oral 1,25-dihydroxyvitamin D3 pulse therapy ' in hemodialysis patients with severe second hyperparathyroidism. Nephron. 57 (1991): 23-28.
- Vaghese, Z., Moorhead, J.F., and Farrington, K. Effect of 24,25- dihydroxycholecalciferol on intestinal absorption of calcium and phosphate and on parathyroid hormone secretion in chronic renal failure. Nephron. 60 (1992): 286 - 291.
- Kooh, S.W., Tam, C.S., Reilly, B.J., Balfe, J.W., and Veith, R. Renal osteodystrophy in children on CAPD : a prospective trial of 1-alpha-hydroxycholecalciferol therapy. Child Nephrol Urol. 9 (1989): 220- 227.



CURRICULUM VITAE

Squadron Leader Dr. Juckrapong Paiboon was born on May 21, 1960 in Lumpang Thailand. He graduated with Doctor of Medicine from Chulalongkorn University in 1983. He received Diplomate of Board of internal Medicine from Bhumibol Aduldej Hospital in 1989. At present he is a research fellow in Division of Nephrology, Department of Medicine, Faculty of Medicine, Chulalongkorn University Hospital.