



## REFERENCES

- Ackerman, G.L. and Nolan, C.M. 1968. Adrenocortical responsiveness after alternate-day corticosteroid therapy. New Engl. J. Med., 278:405 .
- Allanby, K.D. 1957. Deaths associated with steroid-hormone therapy. Lancet, 1:1104.
- Amatruda, T.T. Jr., Hollingsworth, D.R., D'Esopo, N.D., Upton, G.V. and Bondy, P.K. 1960. A study of the mechanism of the steroid withdrawal syndrome. Evidence for integrity of the hypothalamic-pituitary-adrenal system. J. Clin. Endocrinol. Metab., 20:339.
- Arth, G.E., Johnston, D.B.R., Fried, J., Spooner, W.W., Hoff, D.R., Sarett, L.H. 1958. 16-methylated steroids. I. 16 $\alpha$ -methylated analogs of cortisone, a new group of anti-inflammatory steroids. J. Amer. Chem. Soc., 80:3160.
- Bennett, W.A. 1954. Histopathological alterations of adrenal and anterior pituitary glands in patients treated with cortisone. J. Bone Jt. Surg., 36 A:867.
- Bernstein, L., Lenhard, R.H., Allen, W.S., Heller, M., Littell, R., Stolar, S.M., Feldman, L. I., and Blank, R.H. 1956. 16-hydroxylated steroid. IV. The synthesis of the 16 $\alpha$ -hydroxy derivatives of 9 $\alpha$ -halosteroids. J. Amer. Chem. Soc., 78:5693.

- Berson, S.E. and Yalow, R.S. 1957. Kinetics of reaction between insulin and insulin-binding antibody. J. Clin. Invest., 36:873.
- Birmingham, M. K. and Kurlents, E. 1958. Inactivation of ACTH by isolated rat adrenals and inhibition of corticoid formation by adrenocortical hormones. Endocrinology, 62:47.
- Black, R. C., Yeilding, K. L., and Bunim, J. S. 1957. Observations on new synthetic anti-rheumatic steroids and critical evaluation of prednisone therapy in rheumatoid arthritis. J. Chron. Dis., 5:751.
- Black, W.C., Crampton, R.S., Verdesca, A.S., Nedeljkovic, R. I. and Hilton, J. G. 1961. Inhibitory effect of hydrocortisone and analogues on adrenocortical secretion in dogs. Amer. J. Physiol., 201:1057.
- Boland, E. W. 1958. 16 $\alpha$ -methyl corticosteroids. Calif. Med., 88:417.
- Bongiovanni, A. M. 1972. " Adrenal Cortical Hormones. " In Pediatrics. 5 th. ed. Edited by Barnett, H., and Einhorn, A. H. New York: Meredith Corporation, pp. 1102.
- Bruno, O. D., Leclercq, R., Virasoro, E. and Copinschi, G. 1971. Extra-adrenal actions of metyrapone in man. Effects on plasma cortisol disappearance, growth hormone secretion and glucose metabolism. J. Clin. Endocrinol. Metab., 32:260.

- Bunim, J.J., Pechet, M.M., and Bollet, A. J. 1955. Studies on metacortandralone and metacortandracin in rheumatoid arthritis. Anti-rheumatic potency, metabolic effects and hormonal properties. J. Amer. med. Ass., 157:311.
- Ceresa, F., Angeli, A., Bocuzzi, G., and Perotti, L. 1970. Impulsive and basal ACTH secretion phases in normal subjects, in obese subjects with signs of adrenocortical hyperfunction and in hyperthyroid patients. J. Clin. Endocrinol. Metab., 31:491.
- Doar, J. W. H., Wynn, V. and Webb, P. J. 1970. Comparison of tests of hypothalamo-pituitary-adrenocortical function in pituitary disease. J. Endocr., 48:47.
- Eberlein, W. R. and Bongiovanni, A. M. 1956. Plasma and urinary corticosteroids in the hypertensive form of congenital adrenal hyperplasia. J. biol. chem., 223:85.
- Edwards, J. A., Ringold, H. J. and Djerassi, C. 1960. Synthesis of a new class of potent cortical hormones. 6 $\alpha$ -fluoro- and 6 $\alpha$ , 9 $\alpha$ -difluoro-16 $\alpha$ -methylprednisolone and related steroids. J. Amer. chem. Soc., 82:2318.
- Engleman, E. P., Krupp, M. A., Johnson, H. P., Welsh, J. E., Wrenn, H. T. and King, W. R. 1953. Adrenocortical function during continuous long-term therapy with cortisone, Arch. Intern. Med., (Chicago), 91:1.
- Fleisher, D. S. 1967. Pituitary-adrenal responsiveness after corticosteroid therapy in children with nephrosis.

- J. Pediat., 70:54.
- Franksson, C., Gemzell, C. A. and Von Euler, U. S. 1954. Cortical and medullary adrenal activity in surgical and allied conditions. J. Clin. Endocrinol. Metab., 14:608.
- Fraser, C. C., Preuss, F. S. and Bigford, W. D. 1952. Adrenal atrophy and irreversible shock associated with cortisone therapy. J. Amer. med. Ass., 149:1542.
- Freyberg, R. H., Bernstein, C. A., and Hellman, L. 1958. Further experiences with  $\Delta^9$   $\alpha$ -fluoro 16  $\alpha$ -hydrocortisone (Triamcinolone) in treatment of patients with rheumatoid arthritis. Arthr. and Rheum., 1:215.
- Fukushima, D. K., Bradlow, H. L., Hellman, L. and Gallagher, T. F. 1970. Cortisol metabolism in the morning and evening; relation to cortisol secretion rate measurements. Steroids, 16:603.
- Glenn, E. M., and Nelson, D. H. 1953. Chemical methods for the determination of 17-hydroxycorticosteroids and 17-ketosteroids in urine following hydrolysis with  $\beta$ -glucuronidase. J. Clin. Endocrinol. Metab., 13:911.
- Glyn, J. H., and Fox, D. B. 1961. Preliminary clinical assessment of beta methasone. Brit. med. J., 1:876.
- Greenwood, F. C. and Landon, J. 1966. Assessment of hypothalamic pituitary function in endocrine disease. J. Clin. Path., 19:284.

- Hart, F. D., Clark, C. J. M. and Golding, J. R. 1955.  
Prednisone and prednisolone in the treatment of  
rheumatoid arthritis. Lancet, 269:998.
- Harter, J. G., Reddy, W. J. and Thorn, G. W. 1963.  
Studies on an intermittent corticosteroid dosage regimen.  
New Engl. J. Med., 269:591.
- Herzog, H. L., Nobile, A., Tolksdorf, S., Charney, W., Hershberg,  
E. B. and Perlman, P. L. 1955. New antiarthritic  
steroids. Science, 121:176.
- Irwin, G. W., Priebe, F. H., and Ridolfo, A. S. 1961.  
Metabolic effects of paramethasone acetate. Metabolism ,  
10:852.
- Kenny, F. M., and Preeyasombat, C. 1966. Cortisol production rate:  
II normal infants, children, and adults. Pediatrics,  
37:34.
- Khoprasert, B. 1979. " Determination of urinary 17-ketosteroids  
and 17-ketogenic steroids. " Master's thesis, Department  
of Clinical Pathology, Faculty of Graduate studies,  
Mahidol University. pp. 5-6.
- King, T. J. and Newall, C. E. 1962. The chemistry of color  
reactions: The Zimmermann reaction. J. Chem. Soc., 64:367.
- Krieger, D. T., Allen, W., Rizzo, F. and Krieger, H. P. 1971.  
Characterization of the normal temporal pattern of plasma  
corticosteroid levels. J. Clin. Endocrinol. Metab.,  
32:266.

- Kupperman, H. S., Blatt, M. H. G., Vesell, M., Gagliani, J., Weisbader, H. and Vosburgh, L. 1955. The comparative effects of metacortandracin, 9 $\alpha$ -fluorohydrocortisone and hydrocortisone upon ACTH secretion in man. J. Clin. Endocrinol. Metab., 15:911.
- Landon, J., Wynn, V., James, V. H. T. and Wodd, J. B. 1965. Adrenal response to infused corticotropin in subjects receiving glucocorticoids. J. Clin. Endocrinol. Metab., 25:602.
- Larzelere, R. G., Barthold, E. A., Willett, F. M., Fleichtmeir, T. V., Wilson, L. and Engleman, E. P. 1959. Adrenocortical function in long-term treatment with corticoids. Arch. Intern. Med. (Chicago), 99:888.
- Lewis, L., Robinson, R. F., Yee, J., Hacker, L. A. and Eisen, G. 1953. Fatal adrenal cortical insufficiency precipitated by surgery during prolonged continuous cortisone treatment. Ann. Intern. Med., 39:116.
- Murphy, B. E. P. 1971. "Hormone Assay Using Binding Protein in Blood." In Principles of Competitive Protein Binding Assays. Edited by Odell, W. D. and Daughaday, W. H. Philadelphia : J. B. Lippincott Company. pp. 108-133.
- Murphy, B. E. P., Engelberg, W. and Pattee, C. J. 1963. A simple method for the determination of plasma corticoids. J. Clin. Endocrinol. Metab., 23:293.

- Nattrass, M., Smith, J., Wood, P. J. and Marks, V. 1972. Plasma-corticosteroid determinations for assessment of pituitary response to metyrapone. Lancet , 2:903.
- Naysmith A., Cullen, D. R., Hancock, B. W., Richmond, J. Wilde, C. E. 1976. Pituitary function in patients receiving intermittent cytotoxic and corticosteroid therapy for malignant lymphoma. Lancet, 1:715.
- Ontjes, D. A. and Ney, R. L. 1972. Tests of anterior pituitary function. Metabolism, 21:159.
- Orth, D. N. and Island, D. P. 1969. Light synchronization of the circadian rhythm in plasma cortisol (17-OHCS) concentration in man. J. Clin. Endocrinol. Metab., 29:479.
- Perkoff, G. T., Eik-Nes, K., Nugent, C. A., Fred, H. L., Nimer, R. A., Rush, L., Samuels, L. T. and Tyler, F. H. 1959. Studies of the diurnal variation of plasma 17-hydroxycorticosteroids in man. J. Clin. Endocrinol. Metab., 19:432.
- Peron, F. G., Moncloo, F. and Dorfman, R. I. 1960. Studies on the possible inhibitory effect of corticosterone on corticosteroidogenesis at the adrenal level in the rat. Endocrinology , 67:379.
- Porter, C. C. and Silber, R. H. 1950. A quantitative color reaction for cortisone and related 17,21-dihydroxy-20-ketosteroids. J. Biol. Chem., 135:201.

- Salassa, R. M., Bennett, W. A., Keating, F. R. and Sprague, R. G. 1953. Postoperative adrenal cortical insufficiency: occurrence in patients previously treated with cortisone. J. Amer. med. Ass., 152:1509.
- Shuster, S. and Williams, I. A. 1961. Pituitary and adrenal function during administration of small doses of corticosteroids. Lancet, 2:674.
- Slanley, G. and Brooke, B. N. 1957. Postoperative collapse due to adrenal insufficiency following cortisone therapy. Lancet, 1:1167.
- Soyka, L. F. 1967. Treatment of nephrotic syndrome in childhood: use of alternate-day prednisone regimen. Am. J. Dis. Child., 113:693.
- Soyka, L. F. and Saxena, K. M. 1965. Alternate-day steroid therapy for nephrotic children. J. Amer. med. Ass., 192:225.
- Takahashi, Y., Kipnis, D. M. and Daughaday, W. H. 1968. Growth hormone secretion during sleep. J. Clin. Invest., 47:2079.
- Taub, D., Hoffsommer, R. D., Slates, H. L. and Wendler, N. L. 1958. 16 $\beta$ -methyl cortical steroids. J. Amer. Chem. Soc., 80:4435.
- Weitzman, E. D., Fukushima, D., Nogeire, C., Roffwarg, H. ., Gallagher, T. F. and Hellman, L. 1971. Twenty-four hour pattern of the episodic secretion of cortisol in normal



- subjects. J. Clin. Endocrinol. Metab. , 33:14.
- Wilson, K. S., Gray, C. E., Cameron, E. H. D., Seth, J., Parker, A. C. 1976. Hypothalamic/pituitary/adrenal function in patients treated with intermittent high-dose prednisolone and cytotoxic chemotherapy. Lancet, 1:610
- Yates, F. E., Russell, S. M. and Maran, J. W. 1971. Brain-adenohypophyseal communication in mammals. Ann. Rev. Physiol., 33:393.
- Zimmermann, W. 1935. Eine farbreaktion der sexualhormone und ihre anwendung zur quantitativen colorimetrischen bestimmung. Ztschr. Physiol. Chem., 233:257.



## VITA

Name Miss Maneewan Chanphosri

Education Bachelor of Science in Pharmacy in 1965,  
University of Medical Sciences, Bangkok, Thailand.

Position and Site of the Employer's office  
Lecturer on Pharmacology.  
Faculty of Nursing,  
Khon Kaen University, Khon Kaen, Thailand.