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- Altschule, M.D. and Volk, M.C. (1935). The minute volume output and work of the heart in hypothyroidism. *J. Clin. Investigation*, 14, 385.
- Andrus, E.C. (1953). The thyroid and the circulation. *Circulation*, 2, 437.
- Barker, S.B. (1951) Mechanisms of action of the thyroid hormone. *Physiol. Rev.*, 31, 205.
- Blumgart, M.L., Gargill, S.L., and Gilligan, D.R. (1933) Studies on the velocity of blood flow. *New England. J. Med.* 209, 1098.
- Bartels, E.C., (1950). Basal metabolic rate and plasma cholesterol as aid in the clinical study of thyroid disease. *J. Clin. Endocrinol.*, 10, 1126.
- Barakat, R.M. and Ekins, R.P. (1961) The assay of vitamin B₁₂ in Blood. A simple method. *Lancet*, ii, 25.
- Balfour, W.E. and Tunnicliff, M.E. (1960). *J. Physiol.* 153, 179.
- Bernstein, G. and Oppenheimer, T.H. (1966). Factor influencing the concentration of free and total thyroxine in patients with non-thyroidal disease. *J. Clin. Endocrinol.*, 26, 195.
- Boothby, W.M., Sandiford, I., Sandiford, K., and Slosse, J. (1939) The effect of thyroxine on the respiratory and nitrogenous metabolism of normal and myxedematous subjects. I. A method of studying the reserve of deposit protein with a preliminary report of the results obtained. *Tr. A. Am. Physicians*, 40, 195.

- Clausen, S.W. and Mc.Coord, A.B.(1938). The corotenoids and Vitamin A. of the blood. *J.Pediat.*, 13., 635.
- Clark, F. and Horn, D.B.(1965) Assessment of thyroid function by the combined use of the serum protein-bound iodine and resin uptake ¹³¹I-triiodo thyronine. *J.Clin. Endocrinol.* 25., 39.
- Chaikoff, I.L., Taurog, A. and Reinhardt, W.O.(1947) *J. Endocrinol.*, 40., 47.
- Christensen, L.K.(1959). A method for the determination of free, non-protein bound thyroxine in serum. *Scand. J.Clin. & Lab. Invest.* 11., 326.
- Catt, K.J., Tregear, G.W.(1968). Solid-Phase Radioimmunoassay, Protein and Polypeptide Hormones. (Margoulies, M.Ed.,) *Experta Medica Foundation, Amsterdam* 45., 35.
- Darrow, D.C.(1944). Tissue water and electrolyte. *Ann. Rev. Physiol.*, 6., 95.
- Drill, V.A.(1943). Interrelations between thyroid function and vitamin metabolism. *Physiol. Rev.*, 23., 355.
- Davis, P.J.(1966). Factors affecting the determination of the serum protein-bound iodine. *Amer. J.Med.*, 40., 918.
- Ekins, R.P., (1960). The Estimation of thyroxine in Human Plasma by an Electrophoretic technique. *Clin. Chim. Acta.* 5., 453.
- Ekins, R.P.(1963) Saturation analysis : A microanalytical technique for assaying some compound of biological importance In. *Radio-aktive Isotope in Klinik und Forschung, Band V, Vortrage am Gastelner Internationalen Symposium, 1962, pp.211-220, Discussion pp.220-221.* Urban and Schwarzenberg, Munich.

- Ekins, R.P., Newman, G.B. & O' Riordan, J.L.H. (1967) Theoretical aspects of Saturation assay. Proc. of N.I.H. conference on 'Statistic in Endocrinology,' Boston, U.S.A. Dec., In Press.
- Ekins, R.P., Williams, E.S. and Sheila Ellis. (1967) Clin. Biochem., 2, 253.
- Ekins, R.P., & Newman, G.B. (1968). The optimisation of precision and sensitivity in the radioimmunoassay, In Radioisotope in Medicine: In Vitro Studies, R.L. Hayes, F.A. Goswitz and B.E.P. Murphy, eds., AEC Symposium Series No. 13 (conf. 6711111) Oak Ridge, Tenn., pp.59-100.
- Ekins, R.P., Williams, E.S. and Sheila Ellis. (1969). The Sensitive and Precise Measurement of Serum Thyroxine by Saturation Analysis. J. Clin. Biochem., 2, 253.
- Fisher, D.A., Oddie, T.H. & Hurroughs, J.C. (1962). Thyroid radio iodine uptake rate measurement in infants. Am. J. Dis. Child., 103, 738.
- Fleischmann, W. and Shumacker, H.B. Jr., (1942) The relationship between serum cholesterol and total body cholesterol in experimental hyper and hypo-thyroidism. Bull Johns Hopkins Hosp., 71, 175.
- Floresheim, W.H., and Faircloth, M.A. (1964). Effects of oral ovulation inhibitors on serum protein-bound iodine and thyroxine-binding proteins. Proc. Soc. Exp. Biol. Med., 117, 56.
- Federman, D.D., Robbins, J. & Rall, J.E. (1958). Effects of methyl testosterone on thyroid function, thyroxine metabolism, and thyroxine-binding protein, J. Clin. Invest. 37, 1024.

- Galton, V.A. & Pitt-Rivers, R. (1959). A quantitative method for the separation of thyroid hormones and related compounds from serum and tissues with an anion-exchange resin. *Biochem. J.*, 72., 310.
- Gimlette, F.M.D. & Piffanelli, A. (1968). Assessment of thyroid status in pregnant women and in patients taking oral contraceptive by a free thyroxine index. *J. Clin. Pathol.*, 21., 767.
- Goolden, A.W.G., Gartside, J.M. & Sanderson, C. (1967). Thyroid status in pregnancy and in women taking oral contraceptives. *Lancets.* i., 12.,
- Gemmill, C.L. (1952). Enzymatic mechanisms of thyroxine. *J. clin. Endocrinol. Metabol.*, 12., 1300.
- Gordon, E.S. and Heming, A.E. (1944). The effect of thyroid treatment on the respiration of various rat tissues. *Endocrinology*, 34., 353.
- Gudernatsch, J.F. (1913). Feeding experiments on tadpoles. II. A further contribution to the knowledge of organs with internal secretion. *Am. J. Anat.*, 15., 431.
- Gray, C.H., and Bacharach, A.L. (1961). Hormone in Blood: Academic Press Inc., (London) LTD., p.80.
- Harvey, R.F., Williams, E.S., Ellis, S. (1970) Changes in Thyroxine-Binding Globulin Levels in Thyrotoxicosis and in Healthy Subjects after triiodothyronine Administration. *Acta-endocrinol.* 63., 527.
- Johnston, J.A. and Moroney, J.W. (1939). The effect of thyroid on nitrogen retention. *Am. J. Dis. Child.*, 58., 965.
- Leland, J.F. and Foster, G.L. (1932). *J. Biol. Chem.*, 95., 165.

- Lardy, H.A. and Malay, G.F.(1954). Metabolic effects of thyroid hormones in vitro; in Recent Progress in Hormone Research, Vol.10.,p.129.
- Murphy, B.E.P., Engelberg, W.& Pattee, C.L.(1963) Simple method for the determination of plasma corticoid. J.Clin. Endocr., 23.,293.
- Murphy, B.E.P.(1964). The application of the property of protein-binding to the assay of minutes quantities of hormones and other substances. Nature, 201., 679.
- Murphy, B.E.P. and Pattee, C.L.(1964). Determination of thyroxine utilizing the property of protein-binding. J.Clin. Endocr. 24., 137.
- Murphy, B.E.P. (1965). The determination of thyroxine by competitive protein-binding analysis employing an anion-exchange resin and radiothyroxine. J.Lab. Clin. Med., 66., 161.
- Murphy, B.E.P. & Pattee, C.J.(1966). Clinical evaluation of a new method for the determination of serum thyroxine J.Clin. Endocr., 26., 247.
- Murphy, B.E.P.(1967). Some studies of the protein-binding of steroids and their application to the routine micro and ultra micro measurement of various steroids in body fluids by competitive protein-binding radioassay. J.Clin., Endocr. 27.,973.
- Murphy, B.E.P.(1968). Protein-Binding studies and radioassays. In Radioisotopes in Medicine. In Vitro Studies, R.L.Hayes. F.A.Gostwitz & B.E.P. Murphy, eds., AEC. Symposium. Series No.13. (conf. 6711111) Oak Ridge, Tenn. pp.3-6.

- Man, E.B., Smirnow, A.E., Gildea, E.F., and Peter, J.P. (1942). *J. Clin. Invest.*, 21., 773.
- Nakajama, H., Kuramochi, M., Horiguchi, T., Kubo, S. (1966). A new and simple method for the determination of thyroxine in serum. *J. Clin. Endocr.*, 26., 99.
- Osorio, C. (1967). Carriage of circulating thyroid hormones and the estimation of total plasma hormone levels. *J. Clin. Pathol.* 20., 335.
- Oppenheimer, J.H. (1968). Role of plasma protein in the binding, distribution and metabolism of the thyroid hormones. *New Eng. J. Med.* 278., 1153.
- Oppenheimer, J.H., Fisher, L.V., Nelson, K.M. & Jauler, J.W., (1961) Depression of the serum protein-bound iodine level by diphenyl hydantoin. *J. Clin. Endocr.* 21., 252.
- Oppenheimer, J.H., & Werner, S.C. (1966). Effect of prednisone on thyroxine-binding protein. *J. Clin. Endocr.* 26., 715.
- Purves, H.D., (1964). Control of Thyroid Function In the Thyroid Gland. Vol. II. Pitt-Rivers, R. & Trolter, W.R. eds., Butterworths, London., pp. 1-38.
- Paschkis, K.E., Rakoff, A.E., Cantarow, A., (1958). Clinical Endocrinology. second edition, Paul, B. Hoeber, Inc., N.Y., U.S.A., pp. 128-129.
- Pitt-Rivers, R., Teta, J.R., (1959). The Thyroid Hormones Pergamon LTD., London., p. 85.

- Robbins, J. & Rall, J.E. (1955). Effect of triiodothyronine and other thyroxine analogous on thyroxine-binding in human serum. *J.Clin. Invest.* 34., 1331.
- Robbins, J. & Rall, J.E. (1955). Thyroxine-binding capacity of serum in normal man. *J. Clin. Invest.* 34., 1324.
- Robbins, J., (1956) Reverse flow Zone Electrophoresis A method determining the thyroxine-binding capacity of serum protein. *Archives of Biochemistry and Biophysics* 63., 461.
- Robbins, J. & Rall, J.E. (1967). The Iodine-containing Hormone. In *Hormones in Blood.*, I. Gray, C.H. & Bacharach. A.L. eds, Academic Press, London, and New York pp.383-490.
- Rosenbaum, J.M., Krieg, A.F., Henry, J.B., Mozley, J.M., & Mc. Afee, J.Q. (1968). Thyroid function evaluation in patients with increased or decreased thyroxine-binding protein. *Am. J. Clin. Pathol.* 50., 336.
- Rosenman, R.H., Byers, S.O., and Friedman, M. (1952). The mechanism responsible for the altered blood cholesterol content in deranged thyroid states. *J. Clin. Endocrinol. Metab.*, 12., 1287.
- Robbins, J., Petermann, M.L., and Rall, J.E. (1954). *J. Biol. Chem.* 208., 387.
- Sterling, K. & Brunner, M.A. (1966). Free thyroxine in human serum: Simplified measurement with the aid of magnesium precipitation. *J. Clin. Invest.* 45., 153.
- Siersback-Nielsen, K. (1967). Determination of serum thyroxine, The diagnostic value in thyroid diseases. *Acta. Med. Scand.* 181., 327.

- Scatchard, G. (1949). The attraction of protein for small molecules and ions. *Ann. N.Y. Acad. Sci.* 51., 660.
- Somogyi, M. (1930). *J. Biol. Chem.* 86., 655.
- Soffer, L.J.; Jannaccone, A., Wiener, R., Griboff, S.I., and Eisenberg, J. (1954). Body fluids and electrolyte balance in myxedema. *Acta endocrinol.* 17., 418.
- Sure, B. and Thesis, R.M. (1939). Influence of hyperthyroidism on vitamin C. content of various endocrines and tissues. *Endocrinology*, 24., 672.
- Tong, W., Taurog, A., and Chaikoff, I.L. (1952). *J. biol. chem.* 195., 407.
- Trevorrow, V. (1939). *J. biol. chem.* 127., 737.
- White, A., Handler, P. and Smith, E.L. (1964). Principles of Biochemistry, Third Edition, Mc.Graw-Hill Book Com. Inc., pp.830-831.
- Wilkins, L. (1957). The Diagnosis and Treatment of Endocrine Disorder in Childhood and Adolescence. Chales C. Thomas Publisher, U.S.A., pp.78-82.
- Wellby, M. & O' Halloran, M.W. (1966). Measurement of the plasma free thyroxine level as a test of thyroid function. *Brit. Med. J.* ii., 668.
- Wilson, A.L. (1961). The precision and limit of detection of analytical methods. *Analyst.* 86., 72.

- Wolff, J., Standaert, M.E. & Rall, J.E.(1961). Thyroxine displacement from serum proteins and depression of serum protein-bound iodine by certain drugs. J.Clin. Invest. 40., 1373.
- Wiswell, J.G., Ziegler, K.L., Fassano, M.R. and Asper, S.P., Jr.(1954). The effects of L-triiodothyronine and L-thyroxine on the metabolism of tissues in vitro. Bull. Johns Hopkins Hosp., 94., 94.
- Wiswell, J.G.,(1955). Metabolic activity in vitro of some analogous of thyroxine. Am. J. Physiol. 182., 301.
- Wilkins, L. (1938). The rate of growth, osseous development and mental development in certain as a guide to thyroid treatment. J. pediat. 12., 429.
- Wilkins, L. (1941). Epiphysial dysgenesis associated with hypothyroidism. Am. J. Dis. Child. 61., 13.
- Yalow, R.S.& Berson, S.A.(1960). Immuno assay of endogeneous plasma insulin in man. J. Clin. Invest.. 39., 1157.

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