

BIBLIOGRAPHY

- Adachi, K. and Yamasawa, S. 1967. Quantitative histochemistry of the primate skin.IV α -Glycerophosphate dehydrogenase. J. Invest. Dermatol., 47 : 107-109.
- Archibald, A. and Shuster, S. 1967. The bioassay of androgen using the rat sebaceous gland. J. Endocrinol., 37 : 22.
- Archibald, A. and Shuster, S. 1969. The bioassay of androgens and antiandrogens using sebum secretion in the rat. Proc. R. Soc. Med., 62 : 881-888.
- Archibald, A. and Shuster, S. 1973. A non-endocrine control of sebum secretion. Arch. Dermatol. Forsch., 246 : 175-180.
- Baillie, A.H., Calman, K.C. and Milne, J.A. 1965. Histochemical distribution of hydroxysteroid dehydrogenases in human skin. Br. J. Dermatol., 77 : 610.
- Baillie, A.H., Thomson, J. and Milne, J.A. 1966. The distribution of hydroxysteroid dehydrogenases in human sebaceous glands. Br. J. Dermatol., 78 : 451.
- Ballantyne, B. and Bunch, G.A. 1967. Est^er^kase histochemistry of sebaceous glands. Dermatologica, 134 : 51-59.
- Balogh, K. 1966. Histochemical demonstration of 3α hydroxysteroid dehydrogenase activity. J. Histochem. Cytochem., 14 : 77-83.
- Bardin, C.W., Bullock, L., Schneider, G., Allison, J.E., and Stanley, A.J. 1970. Pseudohermaphrodite rat : End organ insensitivity to testosterone. Science, 167 : 1136-1137.

- Beaver, D.L. 1960. A re-evaluation of the rat preputial gland as a "dicrine" organ from the standpoint of its morphology, histochemistry and physiology. J. Expt. Zool., 143 : 153-173.
- Beaver, D.L. 1963. Electron microscopy of the acinar cells of the rat preputial gland. Anat. Rec., 146 : 47-49.
- Benson, B.J. and Hadley, M.E. 1969. In vitro characterization of adrenergic receptors controlling skin gland secretion in two anurans Rana pipiens and Xenopus laevis. Comp. Biochem. Physiol., 30 : 857-864.
- Bhattacharya, S.P. and Ghosh, A. 1971. Histochemical studies on the enzymes of the urophygial gland. Acta histochem., 39 : 318-326.
- Birnbaum, J.E., Sapp, T.M. and Moore, J.B. 1976. Effects of reserpine, epidermal growth factor and cyclic nucleotide modulators on epidermal mitosis. J. Invest. Dermatol., 66 : 313-318.
- Bloom, G., Ostlund, E., von Euler, V.S. 1962. A specific granular and secretory cells in the heart of cyclostomes. In "Neurosecretion" (eds.) Helter, H. and Clark, R.B. Academic Press. New York.
- Boecke, J. 1934. Innervationsstudien : der sympathische grundplexus and beziehungen zu den drusen. Ztsch. f. Mikr. Anat. Forsch., 35 : 551-506.
- Brandes, D., Bertini, F., and Smith, E.W. 1965. Role of lysosomes

- in cellular lytic processes. II. Cell death during holocrine secretion in sebaceous glands. Exp. Mol. Pathol., 4 : 245-265.
- Bronson, F.H. and Caroom, D. 1971. Preputial gland of the male mouse. Attractant function. J. Reprod. Fertil., 25 : 279-282.
- Bullock, L., Schneider, G. and Bardin, C.W. 1970. Steroid reductase activity in tissues from rats with end organ insensitivity to testosterone. Life Sci., 9 (Part I) : 701-705.
- Bullough, W.S., and Laurence, E.B. 1970. Chalone control of mitotic activity in sebaceous glands. Cell Tissue Kinet., 3 : 291-300.
- Burgess, T.L. and Wilson, J.D. 1963. Studies on hormonal regulation of squalene synthesis in preputial gland and skin of rat. Proc. Soc. Exp. Biol. and Med., 113 : 747-750.
- Burton, J.L., Cartledge, M. and Shuster, S. 1973. Effect of L-dopa on the seborrhoea of Parkinsonism. Br. J. Dermatol., 88 : 475.
- Burton, J.L. and Shuster, S. 1973. Effect of L-dopa on seborrhea of Parkinsonism. Lancet, 2 : 19-20.
- Calman, K.C. 1970. Androgen and acne : A new method for the screening of antiandrogens in human skin. Br. J. Dermatol., 82 (Suppl.6) : 26-32.
- Calman, K.C., Muir, J.A. and Young, H. 1970. Survey^y of the distribution of steroid dehydrogenases in sebaceous glands of human skin. Br. J. Dermatol. 82 : 567-571.

- Cerutti, P. 1934. Fisiologia degli annessi cutanei, Gior. ital.
dil dermat e sif., 75 : 112-39. Cited by Rothman, S.¹⁹⁵⁴/In
 "Physiology and biochemistry of the skin." The University
 of Chicago Press.
- Chakraborty, J., Thomson, J., MacSween, M.P., Muir, A.V., Calman,
 K.C., Grant, J.K. and Milne, J.A. 1970. The in vitro meta-
 bolism of $7\alpha^3\text{H}$ dehydroepiandrosterone by human skin. Br. J.
Dermatol., 83 : 477-482.
- Chopra, D. 1977. Effects of theophylline and dibutyryl cyclic
 AMP on proliferation and keratinization of human keratino-
 cytes. Br. J. Dermatol., 96 : 255-262.
- Conney, A.H., W. Levin, M.S., M. Jacobson, M.S., and R. Kuntzman,
 Nutley, N.J. 1973. Effects of drugs and environmental che-
 micals on steroid metabolism. Clin. Pharmac. Therap., 14 :
 727-741.
- Conney, A.H., Weich, R.M., Kuntzman, R. and Burns, J.J. 1967.
 Effects of pesticides on drug and steroid metabolism.
Clin. Pharm. Therap., 8 : 2-10.
- Cooper, M.F., ^{Hay,} J.B., McGibbon, D. and Shuster, S. 1976. Androgen
 metabolism and sebaceous activity in clonal acne. J. Invest.
Dermatol., 66 : 261.
- Douglas, W.W. and Poisner, A.M. 1965. Preferential release of
 adrenaline from the adrenal medulla by muscarine and
 pilocarpine. Nature, 208 : 1102-1103.

- Doupe, J. and Sharp, M.E. 1943. Studies in denervation. G. Sebaceous Secretion. J. Neurol. and Psychiat., N.S., 6 : 133-135.
- Duell, E.A., Voorhees, J.A., Kelsey, W.H., Hayes, E. and Mich, A.A. 1971. Isoproterenol sensitive adenyl cyclase in a particulate fraction of epidermis. Arch. Dermatol., 104: 601-610.
- Ebling, F.J. 1948. Sebaceous glands. I. The effect of sex hormones on the sebaceous glands of the female albino rat. J. Endocrinol., 5 : 297-302.
- Ebling, F.J. 1957a. The action of testosterone on the sebaceous glands and epidermis in castrated and hypophysectomized male rat. J. Endocrin., 15 : 297-306.
- Ebling, F.J. 1957b. The action of testosterone and oestradiol on the sebaceous glands and epidermis of the rat. J. Embryol. exp. Morph., 5 : 74-82.
- Ebling, F.J. 1963. Hormonal control of sebaceous glands in experimental animals In, "Advances in biology of skin Vol.IV The sebaceous glands". Eds. Montagna, W., Ellis, R.A., Silver, A.F. Pergamon Press Oxford, London, New York, Paris.
- Ebling, F.J. 1974. Hormonal control and methods of measuring sebaceous gland activity. J. Invest. Dermatol., 62: 161-171.
- Ebling, F.J. 1977. The sebaceous glands pp.55-92. In "Advances in modern toxicology. Vol.4. Dermatotoxicology and Pharmacology". ed. Francis N., Marzulli and Howard I. Maibach Hemisphere publishing corporation Washington, London.

Ebling, F.J., Ebling, E., McCaffery, V. and Skinner, J. 1971.

The response of the sebaceous glands of the hypophysectomized castrated male rats to 5-dihydroepiandrosterone and androsterone. J. Endocrinol., 51 : 181-190.

Ebling, F.J., Ebling, E., McCaffery, V. and Skinner, J. 1973.

The responses of the sebaceous glands of the hypophysectomized castrated male rat to 5 α -androstanedione and 5 α -androstan-3 β , 17 β -diol. J. Invest. Dermatol., 60: 183-187.

Ebling, F.J., Ebling, E. and Skinner, J. 1969. The influence of the pituitary on the response of the sebaceous and preputial glands of the rat to progesterone. J. Endocrinol., 45 : 257-263.

Ebling, F.J., Ebling, E., Skinner, J. and White, A. 1970. The response of the sebaceous glands of hypophysectomized castrated male rats to adrenocorticotrophic hormone and to testosterone. J. Endocrinol., 48: 73-81.

Ebling, F.J. and Skinner, J. 1967. The measurement of sebum production in rats treated with testosterone and estradiol. Br. J. Dermatol., 79 : 386-392.

Ellis, S. 1967. The effects of sympathomimetic amines and adrenergic blocking agents on metabolism. In "physiological Pharmacology" edited by W.S. Root and I.G. Hoffman. New-York. Acad. Press, 1967 vol.IV, pp.179-241.

Ellis, S., Kennedy, B.L. and Eusebi, A.J. 1967. Autonomic control of metabolism. Ann. N.Y. Acad. Sci., 139: 826-832.

- Emanuel, S. 1936. Quantitative determination of the sebaceous glands' function, with particular mention of the method employed. Acta Derm. Venereol. (Stockh.), 17 : 444-456.
- Fahim, M.S., Dement, G., Hall, D.G. and Z. Fahim, M.S. 1970. Induced alterations in the hepatic metabolism of androgens in the rat. Amer. J. Obstet. Gynec., 107 : 1085-1091.
- Falck, B. and Owman, C. 1965. Acta Univ. Lund., Sect. II, no. 7. as described by Pearse, A.G.E. in : "Histochemistry : Theoretical and Applied ". Vol.2. (1972). Churchill Livingstone, Edinburgh and London.
- Faredin, I., Kokai, K., Toth, I., Fazekas, A.G. and Julesz, M. 1970. The metabolism of $4C^{14}$ -dehydroepiandrosterone by human skin in vitro. Acta Med. Acad. Sci., Hung., 27: 95-102.
- Folch, J., Lees, M. and Stanley, G.H.S. 1957. A simple method for the isolation and purification of total lipids from animal tissues. J. Biol. Chem., 226 : 497-509.
- Freinkel, R.K. 1960. Metabolism of glucose- C^{14} by human skin in vitro. J. Invest. Dermatol., 34 : 37-42.
- Freinkel, R.K. 1963. The effect of age and sex on the metabolism of the preputial gland of the rat. pp.125-134. In "Advances in biology of skin. vol.IV. The sebaceous glands." Eds. Montagna, W., Ellis, R.A. and Silver, A.F. Pergamon Press, Oxford. London. New York. Paris.

- Frost, P., Giegel, J.L., Weinstein, G.D. and Gomez, E.C. 1973. Biodynamic studies of hamsler flank organ growth : hormonal influences. J. Invest. Dermatol.; 61: 159-167.
- Giacometti, L. and Montagna, W. 1962. The nipple and the areola of the human female breast. Anat. Rec., 144 : 191-197.
- Gielen, J.E. and Nebert, D.W. 1972. Aryl hydrocarbon hydroxylase induction in mammalian liver cell culture. III. effects of various sera, hormones, biogenic amines and other endogenous compounds on the enzyme activity. J. Biol.Chem., 247: 7591-7602.
- Glenn, E.M. and Gray, J. 1965. Effect of various hormones on the growth and histology of the gerbil (*Meriones unguiculatus*) abdominal sebaceous gland pad. Endocrinology, 76: 1115-1123.
- Glenner, G.G., Burtner, H.J. and Brown, G.W.Jr. 1957. J. Histochem. Cytochem., 5 : 591. as described by Pearse, A.G.E. in *Histochemistry: Theoretical and Applied* vol.2. (1972) Churchill Livingstone, Edinburgh and London.
- Goldberg, N.D., Haddox, M.K., Zeilig, C.E., Nicol, S.E., Acott, T.S. and Glass, D.B. 1976. Cyclic GMP, cyclic AMP and the Yin Yang hypothesis of biologic regulation. J. Invest. Dermatol., 67 : 641-645.
- Gomez, E.C. and Hsia, S.L. 1968. In vitro metabolism of testosterone $4C^{14}$ and Δ^4 androstene-3, 17-dione- $4C^{14}$ in human skin. Biochemistry, 7 : 24-32.

- Gorkin, V.Z. 1973. Monoamine oxidases : versality^{ti} of catalytic properties and possible biological functions. In, "Advances in pharmacology and Chemotherapy." Vol.11. pp.1-50. eds. Silvio Garattini A., Goldin, F. Hawking, I.J. Kopin. Consulting editor : R.J. Schnitzer. Academic Press New York and London.
- Gorkin and Krivchenkova, 1967. Cited by Gorkin, 1973.
- Gorkin and Krivchenkova. 1971. Cited by Gorkin, 1973.
- Gutman, A.B. and Gutman, E.B. 1938. Acid phosphatase and functional activity of prostate (man) and preputial glands (rat). Proc. Soc. Exp. Biol. Med., 39: 529-532.
- Halpin^r, K.M. and Ohkawara, A. 1966. Glucose and glycogen metabolism in the human epidermis. J. Invest. Dermatol., 46 : 43-50.
- Hamilton, J.B. and Mestler, G.E. 1963. Low values for sebum in ~~enn~~unuchs and oophorectomized women. Proc. Soc. Exp. Biol. Med., 112 : 374-378.
- Hamilton, J.B. and Montagna, W. 1950. The sebaceous glands of the hamster. I Morphological effects of androgens on integumentary structures. Amer. J. Anat., 86 : 191-234.
- Harville, Donald D. 1971. A new approach to the reduction of sebum secretion. Arch. Dermatol., 103: 492-493.
- Haskin, D., Lasher, N. and Rothman, S. 1953. Some effects of ACTH, cortisone progesterone and testosteron on sebaceous

- glands in the white rat. J. Invest. Dermatol., 20: 207-211.
- Hellmann, K. 1955. Cholinesterase and amine oxidase in the skin: a histochemical investigation. J. Physiol.(London), 129: 454-463.
- Hershey, F.B. 1959. Hormone and enzyme mechanisms in sebaceous gland excretion. J. Invest. Dermatol., 32 : 1.
- Hodgins, M.B. and Hay, J.B. 1973. The metabolism of androgens in rat preputial glands. Steroids, 21 : 307-322.
- Hodgson-Jones, I.S., and Mackenna, R.M.B. and Wheatley, V.R. 1952. The study of human sebaceous activity. Acta dermat. Venereol., 32 : Suppl., 29 : 155.
- Hoffman, C.W. and Dent, J.N. 1977. Effects of neurotransmitters upon the discharge of secretory product from the cutaneous glands of the red-spotted newt. J. Expt. Zool., 202: 155-162.
- Howard, C.D. and Kitay, J.I. 1972. Effects of postpuberal orchidectomy on adrenal reductase activity and corticosterone secretion in rat. Procl Soc. Exp. Biol. and Med., 140: 1-5.
- Howard, C.F., Jr. and Lowenstein, J.M. 1965. The effects of glycerol-3-phosphate on fatty acid synthesis. J. Biol. Chem., 240: 4170-4175.
- Howard, A.B. and Robert S. Levy. 1952. The effects of castration, estrogen administration and methylcholanthrene carcinogenesis on phosphatase activities in the genital tract of male rats,

- guinea pigs and rabbits. Am. J. Anat., 90 : 131-161.
- Hsia, S.L. 1971. Steroid metabolism in human skin. In, "Modern Trends in dermatology" Borrie, P.(Ed.) Glasgow, Butterworths Publishers.
- Hsia, S.L. and Voigt, W. 1974. Inhibition of dihydrotestosterone formation: An effective means of blocking androgen action in hamster sebaceous gland. J. Invest. Dermatol., 62: 224-227.
- Hsu, R.Y. and Lardy, H.A. 1969. Malic enzyme, In : "Methods in enzymology" vol.XIII, Lowenstein, J.M. (ed.), Academic Press, New York and London.
- Hurley, H.J., Jr., Shelley, W.B. and Koelle, G.B. 1953. The distribution of cholinesterases in human skin, with special reference to eccrine and apocrine sweat glands. J. Invest. Dermatol., 21 : 139-147.
- Ignarro, L.J. 1975. Regulation of lysosomal enzyme release by prostaglandins, autonomic neurohormones and cyclic nucleotides. In, "Lysosomes in biology and pathology." Vol.4 (eds.) Dingle, J.T. and Dean R.T. 481-523.
- Ignarro, L.J., Slywka, J. and Krassikoff, N. 1972. Life Sci., 10, Part I, 1309. Cited by Ignarro, L.J. 1975.
- Johnsen, S.G. and Kirk, J.E. 1952. The number, distribution and size of the sebaceous glands in the dorsal region of the hand. Anat. Rec., 112 : 725-735.
- Karnovsky, M.J. and Roots, L. 1964. A 'direct coloring' thiocholine

- method for cholinesterase. J. Histochem. Cytochem., 12 : 219.
- Katz, J. and Rognstad, R. 1966. The metabolism of tritiated glucose by rat adipose tissue. J. Biol. Chem., 241 : 3600-3610.
- Kellogg, D.A. and Glenner, G.G. 1960. Histochemical localization of human term placental. 17β -estradiol dehydrogenase reaction. Nature, 187 : 763.
- Kennedy, E.P. 1953. Synthesis of phosphatides in isolated mitochondria. J. Biol. Chem., 201 : 399-412.
- Kligman, A.M. and Shelley, W.B. 1958. An investigation of the biology of the human sebaceous gland. J. Invest. Dermatol., 30 : 99-125.
- Kornberg, A. and Horecker, B.L. 1955. Glucose-6-phosphate dehydrogenase. In : "Methods in enzymology". Vol.I, Colowick, S.P. and Kaplan, N.O., (eds.). Academic Press, New York.
- Kornberg, A. and Pricer, W.E. 1952. Enzymatic synthesis of phosphorus containing lipides. J. Am. Chem. Soc., 74 : 1617.
- Kostrzewa, R.M. and Jacobowitz, D.M. 1974. Pharmacological actions of 6-hydroxydopamine. Pharm. Rev., 26 : 199-288.
- Lapiere, C. 1953. Modifications des glandes sebacees per des hormones sexuelles appliquees localement sur la peau de souris. C. R. Soc. Biol. Paris, 147 : 1302.
- Lazarus, G.S., Hatcher, V.B. and Levine, N. 1975. Lysosomes and the skin. J. Invest. Dermatol. 65, 259-271.

- Layne, E. 1957. Spectrophotometric and turbidimetric methods for measuring protein. In, "Methods in enzymology". Vol.III, Colowick, S.P. and Kaplan, N.O., (Eds.) Academic Press, New York.
- Layne, E.C. 1960. Glycolysis as a regulator of fatty acid and cholesterol synthesis. Fed. Proc., 19 : 41.
- Levin, W., Welch, R.M. and Conney, A.H. 1969. Inhibitory effect of phenobarbital or chlordane pretreatment on the androgen induced increase in seminal vesicle weight in the rat. Steroids, 13 : 155-161.
- Marks, P.A. 1966. Glucose-6-phosphate dehydrogenase. Clinical aspects. In : "Methods in enzymology", Vol.IX, Willis, A. Wood, (ed.). Academic Press, New York and London.
- Martan, J. 1962. Effect of castration and androgen replacement on the supracaudal gland of the male guinea pig. J. Morphol., 110 : 285-298.
- Martan, J. and Price, D. 1967. Comparative responsiveness of supracaudal and other sebaceous glands in male and female guinea pigs to hormones. J. Morphol., 121 : 209-212.
- McKerns, K.W. 1967. Genetic, biochemical and hormonal mechanisms. In, "Cellular biology of uterus" ed.Wynn, R.M. Appleton-Century Crofts. New York.
- Melczer, N. and Deme, S. 1942. Beiträge zur Tätigkeit der menschlichen Talgdrüsen II. Rolle and Formveränderungen

des Golgi Apparatus während der Talgproduktion.

- Arch. f. Dermat-u-Syph. 183 : 388-95. Cited by Rothman, 1954
- Michael, J.C. and Hoopes, J.E. 1974. Enzymes of carbohydrate metabolism in normal human sebaceous glands. J. Invest. Dermatol., 62: 153-160.
- Mier, P.D. 1969. The carbohydrate metabolism of skin. Br.J. Dermatol. Suppl. 2. 14-18.
- Miescher, G. and Schonberg, A. 1944. Untersuchungen über die Funktion der Talgdrüsen, Bull. Schweiz. Acad. d. med. Wissensch., 1 : 101-114. Cited by Kligman and Shelley (1958)
- Montagna, W. 1962. The structure and function of skin, 2nd edition. Academic Press, New York.
- Montagna, W. 1963. Chapter 2. The sebaceous glands in man and Chapter-3. Comparative aspects of sebaceous glands. In : Advances in biology of skin. Vol.4. The sebaceous glands (eds.) Montagna, W., Ellis, R.A. and Silver, A.F. Pergamon Press.
- Montagna, W. 1974. An introduction to sebaceous glands. J. Invest. Dermatol., 62 : 120-123.
- Montagna, W. and Ellis, R.A. 1959. Cholinergic innervation of the Meibomian gland. Anat. Rec., 135 : 121-128.
- Montagna, W. and Hamilton, J.B. 1947. Histochemical analysis of the sebaceous glands of the hamster. Fed. Proc., 6 : 166-167.

- Montagna, W. and Kenyon, P. 1949. Growth potentials and mitotic division in the sebaceous glands of the rabbit. Anat. Rec., 103 : 365-380.
- Montagna, W. and Noback, C.R. 1947. Histochemical observations on sebaceous glands of rat. Am. J. Anat., 81 : 39-62.
- Mueller, R.A., Thoenen, H. and Axelrod, J. 1969. Adrenal tyrosine hydroxylase : compensatory increase in activity after chemical sympathectomy. Science, 163 : 468-469.
- Muir, A.V., Hodgins, M.B., Milne, J.A. and Young, H. 1970. The presence of hydroxysteroid dehydrogenases in mammalian sebaceous structure. Br. J. Dermatol., 83 : 291-295.
- Nexmand, P.H., 1944. A case of seborrhea with comedons in conjunction with facial paralysis. Acta dermat. Venereol., 25 : 275.
- Ogata, T. and Mori, M. 1964. Histochemical study of oxidative enzymes in vertebrate muscles. J. Histochem. Cytochem., 12 : 171-182.
- Orsulak, P.J. and Gawienowski, A.M. 1972. Olfactory preferences for the rat preputial gland. Biol. Reprod., 6 : 219-223.
- Patterson, J.F. 1960. Biosynthesis of squalene by rat preputial gland. Proc. Soc. Exp. Biol. Med., 105 : 461.
- Patterson, J.F., Cheney, M. and Fishman, W.H. 1964. Preputial gland β -glucuronidase, response to testosterone and to two anabolic steroids. Endocrinology, 75 : 273-276.

- Pochi, P.E. and Strauss, J.S. 1969. Sebaceous gland response in man to administration of testosterone, Δ^4 -androstenedione and dehydroepiandrosterone. J. Invest. Dermatol., 52 : 32-36.
- Pochi, P.E. and Strauss, J.S. 1974. Endocrinologic control of the development and activity of the human sebaceous gland. J. Invest. Dermatol., 62 : 191-201.
- Pochi, P.E., Strauss, J.S. and Mescon, H. 1962. Sebum secretion and urinary fractional 17-ketosteroid and total 17-hydroxycorticoid excretion in male castrates. J. Invest. Dermatol., 39 : 475-483.
- Pochi, P.E., Strauss, J.S. and Mescon, H. 1963. The role of adrenocortical steroids in the control of human sebaceous gland activity. J. Invest. Dermatol., 41 : 391-399.
- Powell, J.A., Duell, E.A., Voorhees, J.J. and Mich, A.A. 1971. β -adrenergic stimulation of endogenous epidermal cyclic-AMP formation. Arch. Dermatol., 104 : 359-365.
- Richard, D.H. 1971. Nature and regulation of energy metabolism in the epidermis. J. Invest. Dermatol., 57 : 351-363.
- Richardson, G.S. and Axelrod, L.R. 1971. Metabolism of labeled testosterone by minces and nuclei of preputial glands of male rats. Endocrinology, 88 : 890-894.
- Robertshaw, D. 1974. Neural and humoral control of apocrine glands. J. Invest. Dermatol., 63 : 160-167.

- Rothman, S. 1954. In, "Physiology and biochemistry of the skin." Chicago, University of Chicago Press.
- Rothman, S. and Herrmann, F. 1953. In : Discussion of Robin, M. and Kepecs (1953). The relationship between certain emotional state and the rate of secretion of sebum. J. Invest. Dermatol., 20 : 373-384. Cited by Rothman, 1954.
- Sansone, G., Davidson, W., Cummings, B. and Reisner, R.M. 1971. Sebaceous gland lipogenesis induced by testosterone : early metabolic events. J. Invest. Dermatol., 57 : 144-148.
- Sansone-Bazzano, G. and Reisner, R.M. 1974. Steroid pathways in sebaceous glands. J. Invest. Dermatol., 62 : 211-216.
- Sansone-Bazzano G., Reisner, R.M. and Gaetano, Bazzano. 1972. A possible mechanism of estrogen at the cellular level in a model sebaceous gland. J. Invest. Dermatol., 59 : 299-304.
- Save, G.K. 1963. Some concepts of the intracellular function of alkaline phosphatases, based on investigation of the mechanism of their action. Enzymol. Acta Biocatal., 26 : 169-175.
- Savill, A. 1944. The hair and scalp. Baltimore Md., Williams and Wilkins Co.
- Schaffer, J. 1930. Zur Phylogenese der Talgdrüsen, Zischr. f. mikr.-anat. Forsch., 22 : 579-90. Cited by Rothman, S. 1954.

- Serrati, B. 1938. Influenza del sistema nervosa sulle secrezione sebacea. Riv. dil. pat. nerv., 52 : 377-423.
- Shuster, S. and Thody, A.J. 1974. The control and measurement of sebum secretion. J. Invest. Dermatol., 62: 172-190.
- Sigma Technical Bulletin No.104, Sigma Chemical Co., 3500 Dekalb St., St. Louis 18, MO. U.S.A.
- Singhal, R.L., Parulekar, M.R., Vijayvargiya, R. and Robison, A. 1971. Metabolic control mechanisms in mammalian systems. Involvement of adenosine 3':5' cyclic monophosphate in androgen action. Biochem. J., 125 : 329-342.
- Snyder, F. and Blank, M.L. 1969. Relationship of chain lengths and double bond locations in O-alkyl, o-alk-1-enyl, acetyl and fatty alcohol moieties in preputial glands of mice. Arch. Biochem. Biophys., 130 : 101-110.
- Snyder, F. and Malone, B. 1970. Enzymic interconversion of fatty alcohols and fatty acids. Biochem. Biophys. Res. Comm., 41 : 1382-1387.
- Starling, E.H., 1936. Human physiology, London, J. and A. Churchill Ltd. (7th edition).
- Strauss, J.S. and Pochi, P.E. 1963. The hormonal control of human sebaceous glands. In, "Advances in biology of skin. Vol.IV. The sebaceous glands. ed.by Montagna, W., Ellis, R.A., and Silver, A.F. Pergmon Press, Oxford, pp.220-254.

- Szego, C.M. 1975. Lysosomal function in nucleocytoplasmic communication. pp.385-477. In, "Lysosomes in biology and pathology." Vol.4. Eds. Dingle, J.T. and Dean R.T.
- Takayasu, S. and Adachi, K. 1970. Hormonal control of metabolism in hamster costovertebral glands. J. Invest. Dermatol., 55 : 13-19.
- Takayasu, S. and Adachi K. 1972. The in vivo and in vitro conversion of testosterone by the sebaceous gland of hamster. Endocrinology, 90 : 73-80.
- Taylor, M. and Shuster, S. 1977. Stress: An immediate epidermal growth control mechanism. J. Invest. Dermatol., 68: 253.
- Thies, W. and Galente, L.F. 1957. Zur histochemischen Darstellung der cholinesterasen im vegetativen Nervensystem der Haut. Hautarzt, 8 : 69-75. Cited by Montagna, W. 1963.
- Thody, A.J., and Shuster, S. 1970a. The effects of hypophysectomy and testosterone on the activity of the sebaceous glands of castrated rats. J. Endocrinol., 47 : 219-224.
- Thody, A.J. and Shuster, S. 1970b. The pituitary and sebaceous gland activity. J. Endocrinol., 48 : 139-140.
- Thody, A.J. and Shuster, S. 1971. Effect of adrenalectomy and adrenocorticotrophic hormone on sebum secretion in the rat. J. Endocrinol., 49 : 325-328.
- Thomas, B., Pool, Dent, J.N. and Kenneth Kempthues. 1977. Neural regulation of product discharge from the hedonic.

- glands of the red spotted newt. Notopthalmus viridescens.
J. Expt. Zool., 201 : 203-220.
- Tsang, B.K. and Singhal, R.L. 1976. Effects of isoproterenol on cyclic AMP metabolism in rat ventral prostate. Can. J. Physiol. Pharmacol., 54 : 327-335.
- Tzur, R., Tal, E. and Shapire, B. 1964. α -glycerophosphate as a regulatory factor in fatty acid esterification. Biochim. Biophys. Acta., 84 : 18-23.
- Voorhees, J.J., Duell, E.A., Bass, L.J., and Kelsey, W.H. 1971. Inhibition of epidermal cell division by isoproterenol, dibutyryl c-AMP and theophylline (abstr). Clin. Res., 19: 682.
- Voorhees, J.J., Duell, E.A., Kelsey, W.H. and Mich, A.A. 1972. Dibutyryl cyclic AMP inhibition of epidermal cell division. Arch Dermatol., 105 : 384-386.
- Voorhees, J.J., Marcelo, C.L. and Duell, E.A. 1975. Cyclic AMP, cyclic GMP and glucocorticoids as potential metabolic regulators of epidermal proliferation and differentiation. J. Invest. Dermatol., 65 : 179-190.
- Wattenberg, L.W. 1958. Microscopic histochemical demonstration of steroid 3 β -O1-dehydrogenase in tissue sections. J. Histochem. Cytochem., 6 : 225-232.
- Weissmann, G., Zurier, R.B., Spieler, P.J. and Goldstein. 1971. J. Exp. Med., 134 : 1495. Cited by Ignarro, L.J. 1975.

- Wheatley, V.R. 1974. Cutaneous lipogenesis. Major pathways of carbon flow and possible interrelationship between the epidermis and sebaceous glands. J. Invest. Dermatol., 62 : 245-256.
- Wheatley, V.R., Kumarisiri, M. and Brind, J.L. 1973. Cutaneous lipogenesis. IV. Role of the pentose pathway during lipogenesis in guinea pig ear skin. J. Invest. Dermatol., 61 : 357-365.
- Wilson, J.D., and Gloyna, K.E. 1970. The intranuclear metabolism of testosterone in accessory organs of reproduction. Recent. Prog. Horm. Res., 26 : 309-330.
- Winkelmann, R. 1960. In "Nerve endings in normal and pathologic skin", Charles C. Thomas Publisher Springfield. Illinois, U.S.A.
- Wroblewski, F. and La Due, J.S. 1955. Proc. Soc. Exp. Biol. Med. N.Y., 90 : 210 as described by Varley, H. 1970. In : "Practical clinical biochemistry". 4th edition. Arnold-Heinemann Publishers (India) Private Limited.
- Yip, S.Y. and Freinkel, R.K. 1964. The direct effect of ACTH on the rat preputial gland. J. Invest. Dermatol., 43 : 389-393.
- Zepp, E.A. and Thomas, J.A. 1976. Effects of isoproterenol and acetylcholine treatment in vitro on cyclic nucleotides in mouse sex accessory organs. Biochem. Pharmacol., 25 : 919-922.

Zepp, A. and Thomas, J.A. 1978. Effects of androgens on isoproterenol induced increases in mouse accessory sex organ cyclic AMP in vitro. Biochem. Pharmacol., 27 : 465-468.

ADDENDUM

Ignarro, L.J., Krassikoff, N. and Slywka, J. 1973. J. Pharmacol. Exp. Ther., 186 : 86. Cited by Ignarro, L.J. 1975.