
B I B L I O G R A P H Y

- Abrahams, S.J. and Hoitzman, E. (1973)
 Secretion and endocytosis in insulin stimulated rat
 adrenal medulla cells.
 J. of Cell Biol., 56 : 540-558.
- Agius, G.,; Anthony, S.C. (1985)
 Effect of streptozotocin on glutathione S. transferases
 of mouse liver cytosol.
 Biochem.Pharmacol.,34(6) : 811-19.
- Anderson, L.C. (1983)
 Effect of alloxan diabetes and insulin in vivo on
 rat parotid gland.
 Am.J.Physiol.,245 : 431.
- Anderson, L.C. (1987)
 Parotid gland function in streptozotocin diabetic rats.
 J.Dent.Res.,66(2) : 425-9.
- Anderson, L.C. and Shapiro, B.L. (1979)
 The effect of alloxan diabetes and insulin in vivo
 on peroxidase activity in the rat submandibular gland.
 Archs.Oral.Biol.,24 : 343-345.
- Anderson, L.C. and Shapiro, B.L. (1980)
 The effect of alloxan diabetes and insulin on protein
 synthesis in the rat submandibular gland.
 Horm.Metab.Res.,12 : 47-51.
- Anderson, L.C. and Johnson, D.A. (1981)
 Effects of alloxan diabetes on rat parotid gland & Saliva.
 Comp.Biochem.Physiol.,70B : 725-730.
- Andrew, W. (1964)
 Comparative aspects of structure and function of
 the Salivary glands.
 "Salivary Glands and Their Secretions"
 Eds. L.M. Sreebny and J. Meyer pp. 3-11.
 Pergamon, Oxford.

- An-Quoc, Dang-fred, H. Fass & William, J. Carter, Veterans
(1984)
Effect of streptozocin-induced diabetes on phospho-
glyceride metabolism of the rat liver.
Lipids, 19 : 738-748.
- Argonz, J.J. and DeCorral, Saleta, J.M. (1960)
Recuperation par hormones de la glandula submaxilar
de la rata hipofisopriva
Rev.Soc.Argent.Biol. 36 : 198-212.
- Armstrong, D.; Rinehart, R.; Dixon, L. and Reigh, L. (1978)
Changes of peroxidase with age in Drosophila.
Age, 1 : 8-12.
- Arnold, M. and Kramer, S.P. (1965)
Lipase in "Methods of Enzymatic Analysis"
Ed. by H.U. Bergmeyer., Verlag Chemie
Academic Press, New York-766.
- Arvy, L. and Gabe, M. (1950)
Action de la thyroïdectomie et des injections de
thyroxine sur la glande sous-maxillaire de la souris.
C.R.Acad.Sci., 230 : 1613.
- * Assmann, G.; Krauss, R.M.; Fredrickson, D.S. and Levy, R.I.
(1973)
J.Biol.Chem., 248 : 1992-1999.
- Asayama Kohtaroi Nyfelqr-Fritz; English Denis; Pilkis,
Simon Z. and Burr Ian M (1984)
Allaxon induced free radical formation in the isolated
cells, selective effects on islets cells.
Diabetes, 33(10) : 1008-11.
- Baker, B.L. and Abrams, G.D. (1955)
Growth hormone (somatotropin) and the glands of the
digestive system. In the Hypophyseal Growth Hormone
Nature and Actions.
Ed. Smith, R.W., Jr., Gaebler, O.H. and Long, C.N.H.
Cap. 6, pp. 107-122.
The Blakiston Div., McGraw-Hill.

- Barka, T. (1980)
Biological active polypeptides in submandibular glands.
J.Histochem.Cytochem.,28(8) : 836-859.
- Barrett, A.J. (1973)
Properties of Lysosomal enzymes In "Lysosomes in
Biology and Pathology" Vol.2, pp. 245-302.
Ed.Dingle and Fell,
North-Holland Publishing Company-London.
- Bathena, S.J., Smith, S.S., Voyles, N.R., Penhos, J.C.,
Recant, L. (1977)
Studies on submaxillary gland immunoreactive glucagon
Biochem.Biophys.Res.Commun.,74 : 1574.
- Behera, H.N. and Pathnaik, B.K. (1981)
Effect of alloxan diabetes on the characteristic of
collagen of cotton peller granuloma & dorsal skin of mice.
Indian Gerontol.,(Basel) 27(4) : 204-15
- Bergmeyer, H.U. (1965)
Assay of Lipase in "Methods of enzymatic analysis"
ed. by H.U. Bergmeyer
Verlag chemie Gmbh; Weinheim Bergstr,
Academic Press New York, London, pp. 776.
- Berlin, M. and Wallace, R.B. (1976)
Ageing and the central nervous system.
Exp.Ageing Res.,2 : 125-164.
- Berry, E.M., Aldini, R.; Baron, H. and Eisenberg, S. (1981)
Role of the liver in degradation : a study of lipolysis
by heparin releasable liver lipase & uptake during
isolated rat liver perfusion.
Eur.J.Clin.Invest,II - pp.151-59.
- Bhoola, K.D., Dorey, G. and Jones, C.W. (1973)
The influence of androgens on enzymes (chymotrypsin
and trypsin like proteases, renin, kallikrein and amylase)
and on cellular structure of the mouse submaxillary gland.
J.Physiol.(Lond.),235 : 503-522.

- Bier, M. (1955)
Lipase in "Methods in Enzymology" Vol.I, pp.627
Ed. by S.P. Colowick and N.O. Kaplan,
Academic Press INS, Publishers, New York.
- Bing, J. and Faarup, P. (1965)
Location of renin (or a renin like substance) in the
submaxillary gland of albino mice.
Acta.Path.microbiol.Scand.,64 : 203-212.
- Bing, J., Eskildsen, P.C., Faarup, P. and Frederiksen, O.(1967)
Location of renin in Kidneys and extrarenal tissues.
Circulat.Res.,20-21, Suppl.II : 3-13.
- Bixler, O., Muhler, J.C., Webster, R.C. and Shafer, W.G. (1957)
Changes in submaxillary gland ribonucleic acid
following hypophysectomy, thyroidectomy and various
hormone treatments.
Proc.Soc.Exp.Biol.Med.,94 : 521-524.
- Bixler, D., Muhler, J.C. and Shafer, W.G. (1959)
Growth hormone and thyroxine effects on submaxillary
gland of hypophysectomised rat.
Proc.Soc.Exp.Biol.Med.,100 : 400-402.
- * Borensztajn, J., Otway, S. and Robinson, D.S. (1970)
J.Lipid.Res.,11 : 102-110.
- * Boreⁿsztajⁿ, J., Samols, D.R. and Rubenstein, A.H. (1972)
Am.J.Physiol.,223 : 1271-1275.
- Brewer, J.B. Jr. (1981)
Current concepts of the molecular structure and
metabolism of human apolipoproteins and lipoproteins.
Klinische Wochenschrift, 59 : 1023.
- Cawthorne, M.A. (1986)
Lipid metabolism in diabetes.
Biochemical Society Transactions 621st Meeting, London,
pp. 343.

- Champigny, O. and Hitier, Y. (1987)
Lipoprotein lipase activity in Skeletal muscle and brown adipose tissue of pregnant and lactating rats, *J.Nutr.*, 117(2) : 349-54.
- Chari, S.N., Nath, N. and Ratni, A.B. (1983)
Lysosomal status in Diabetic Polymorpho-nuclear leukocytes.
Indian J. of Biochem. and Biophys., 20 : 290.
- * Chen, Y.D.I., Risser, T.R., Cully, M. and Reaven, G.M. (1979)
Diabetes, 28 : 893-898.
- Chen, Y.D.I., Golay, A., Swislocki, A.L.M. and Reaven, G.M. (1987)
Resistance to insulin suppression of plasma free fatty acid concentrations and insulin stimulation of glucose uptake in non insulin dependent diabetes mellitus.
J.Clin.Endocrinol.Metab., 64(1) : 17-21.
- Cheong, HO, Siu, Michelakis, Andrew, M. (1985)
Multiple defects in the renin angiotensin system in alloxan diabetic kidney
Proc.Soc.Exp.Biol.Med., 178(2) : 297-303.
- Cheshchevik, A.B. (1985)
Energy metabolism in the renal cortex of rats $\bar{C}$ alloxan diabetes.
Vopr.Med.Khim., 31(1) : 52-41.
- Chretien, M. and Zajdela, F. (1965)
Mise en evidence histochimique de la se'cretion de l' amylase, dans les glandes salivaires sous-maxillaires, retro Linguales et sous-parotidiennes de la souris
C.R.Acad.Sci.(Paris), 260 : 4263-4266.
- Chretien, M. (1977)
Action of testosterone on the differentiation and secretory activity of a target organ; the submaxillary gland of the mouse.
Int.Rev.Cytol., 50 : 333.

- Cohen, S. (1962)
Isolation of a mouse submaxillary gland protein accelerating incisor eruption and eyelid opening in the new-born animal.
J.Biol.Chem., 237 : 1555-1562.
- Cohen, S. and Elliott, G.A. (1963)
The stimulation of epidermal keratinization by a protein isolated from the submaxillary gland of the mouse.
J.Invest.Derm., 40 : 1-5.
- Cragie, E.H. (1948)
"Bensley's Practical Anatomy of the Rabbit", 8th edition, University of Toronto Press, Toronto, pp, 307.
- Cryer, A., McDonald, A., Williams, E.R. and Robinson, D.S.(1975)
Colchicine inhibition of the heparin stimulated release of clearing factor lipase from isolated fat cells.
Biochem.J., 152 : 717-720.
- Cupp, Mary, Bensadoun, Andro, Melford, Kristen (1987)
Heparin decreases the degradation rate of lipoprotein lipase in adipocytes.
J.Biol.Chem., 262(13) : 6383-8.
- Cutler, L.S. and Chaudhary, A.P. (1973)
Differentiation of myoepithelial cells of the rat submandibular gland in vivo and in vitro an ultra-structural study.
J.Morph., 140 : 343-354.
- Decamilli, P., Peluchetti, D. and Meldolesi, J. (1976)
Dynamic changes of the luminal plasmalemma in stimulated parotid acinar cells. A freeze fracture study.
J. of Cell Biol., 70 : 59-74.
- Decomargo, A.M., Hanker, J.S., Ambrovse, W.W., Hilton, F. and Gimmara, B.L. (1981)
Effects of streptozotocin and alloxan on granular tubules of male mouse submandibular gland.
Proc.Annu.meet electron microsc.Soc.Am. 1981, 39th 564.

- DeFronzo, A.A., Golay, A., Felber, J.P. (1987)
 Glucose and lipid metabolism on obesity and diabetes mellitus.
 Clin.Res.Cent.Symp. 3rd 1984 (Pub.1985), 70-81.
- DeRobertis E.D.P. and DeRobertis E.M.F. (1980)
 Functions of Lysosomes, Intracellular digestion in
 "Cell and Molecular Biology"
 Ed. by E.D.P. De-Robertis and E.M.F. De Robertis
 Saunders College, Philadelphia, Holt Saunders
 Japan, Tokyo pp. 295.
- Dixon, N.G. (1981)
 Effects of alloxan-induced diabetes mellitus on murine
 salivary glands : a morphological, histological and
 statistical study.
 Avail.Univ.Microfilms Int.Order No.DA 8710883.
 From Diss.Abstr.Int. B 1987, 48(2) : 320.
- Dunbar, J.C., Silverman, H., Kirman, E., Foa, P.P. (1977)
 Role of the submaxillary gland and of the kidney
 in the hyper glucagonemia of eviscerated rats. In
 glucagon : Its role in physiology and clinical Medicine
 Ed. by P.P. Foa, J.S. Baja; N.L.Foa; Springer-Verlag.,
 New York, pp.157.
- Elkles, R.S. and Hambley (1977)
 The effects of fasting and streptozotocin diabetes on
 hepatic triglyceride lipase activity in the rat diabetes.
 Diabetes, 26 : 58-60.
- Ellison, S.A. (1967)
 Proteins & glycoproteins of saliva. In "Handbook of
 physiology".
 Ed. by C.F. Code.
 American Physiological Society, Washington, Section 6
 Vol. 2, 531-559.

Epstein, F.H. (1967)

Hyperglycemia : a risk factors in Coronary heart disease.

Circulation, 36 : 609.

Exfors, I.O. and Hopsu-Havu, V.K. (1971)

Immunofluorescent localization of trypsin like esteropeptidase in the mouse submandibular gland.

Histochem. J., 3 : 415-420.

Felber, J.P., Magnenat, G., Casthelaz, M., Gesser, C.A., Muller-Hess, R., de Kalbermatten, N., Ebner, J.R., Curchod, B., Pitter, P. and Jequier, E. (1977)

Carbohydrate & lipid oxidation in normal and diabetic subjects.

Diabetes, 26 : 693-9.

Fisher, L.J. (1980)

Evidence that alloxan and dihydroxy fumarate alter pancreatic islet cell function through the generation of oxygen free radicals.

Oxygen Oxyradicals chem.Biol.(Proc.Int.Conf.) 631-3.

Eds. Rodgers Michael A.J. Powers Edward Lawrence

Academic, New York.

Fisher, R. (1936)

In "Statistical methods for Research Workers:"

Ed. Edinburgh.

Flon, H. and Gerstner, R. (1968)

Salivary glands of the hamster-I. The submandibular gland; a histochemical study after preservation with various fixatives.

Acta.Histochem.(Jena), 31 : 234.

Flon, H., Gerstner, R., Mitchell, O.G. and Feldman, A. (1970)

Salivary glands of heteromyid rodents, with the summary of the literature on rodent submandibular gland morphology.

J.Morph., 131 : 179-194.

Fong, K, McCay, P.B., Poyer, J.L., Keele, B.B., and Mirsa, H.
(1973)

Evidence that peroxidation of lysosomal membranes is initiated by hydroxyl free radicals produced during flavin enzyme activity.

J.Biol.Chem., 248 : 7792-97.

* Fowler, S. (1967)

J.Cell.Biol., 35 : 41A.

Foresch, E.R., Burgi, H., Bally, P., Labhart, A. (1965)

Insulin inhibition of spontaneous adipose tissue lipolysis and effect on fructose and glucose metabolism. Mole.Pharmacol., 1 : 280.

Gracia, M.J., McNamara, P.M., Gordon, T. and Kannel, W.B. (1974)

Morbidity & mortality in diabetes in the farmingham population 16 years follow up study.

Diabetes, 23 : 105.

Garrett, J.R. & Parsons, P.A. (1973)

Alkaline phosphatase & myoepithelial cells in the rat parotid gland of the rat.

Histochem.J., 5 : 463-471.

Geuze, J.J. and Kramer, M.F. (1974)

Function of coated membranes & multivesicular bodies during membrane regulation in stimulated exocrine pancreas cells.

Cell & Tissue Research, 156 : 1-20.

Gless, P. and Hasan, M. (1976)

Lipofuscin in Neuronal Aging & Disease Theime, Stuttgart.

Goldstein, M.N. and Burdman, J.A. (1965)

Studies of the nerve growth factor in submandibular glands of female & treated with testosterone.

Anat.Rec., 151 : 199-203.

- Grad, B. and Leblond, E.P. (1949)
The necessity of testies and thyroid hormones for the maintenance of the serous tubules of the submaxillary gland in male rat.
Endocrinology, 45 : 250-266.
- Gresik, W. (1980)
In Postnatal Developmental changes in submandibular glands of Rats & Mice.
The J. of Histochem., Cytochem., 28(8) : 861-869.
- Gutman, Y., Levy, M. and Shorr, J. (1973)
Renin-like activity of the rat submanxillary gland, Characterization & the effect of several drugs & stimuli.
Brit. J. Pharmacol., 47 : 59-68.
- Guyton, A.C. (1986)
Insulin, Glucagon, & Diabetes Mellitus in "Text book of MEDICAL PHYSIOLOGY", Ed. by A.C. Guyton ed. Igaku shoin/Saunders.
International edition VII page 928.
- Guyton, A.C. (1986)
Insulin, Glucagon, & Diabetes mellitus in "Text book of MEDICAL PHYSIOLOGY (A.C. Guyton ed.)
Igaku Shoin/Saunders.
International edition VII, page-78.
- Hahn, P.E. (1943)
Abolishment of alimentary lipemia following injection of Heparin
Science, 98 : 19-26.
- Hawk, P.B. (1965)
Determination of glucose in "Hawk's Physiological Chemistry" Ed. by B.L. Oser, The Blakiston Division, McGraw-Hill Book Comp., New York, pp 1051-1056.

- Hendry, I.A. and Iversen, L.L. (1973)
Reduction in the concentration of nerve growth factor
in mice after sialectomy & castration.
Nature (Lond.), 243 : 500-504.
- Heuser, J.E. and Reese, T.S. (1973)
Evidence for recycling of synaptic vesicle membrane
during transmitter release at the frog neuromuscular
junction.
Journal of Cell Biology, 57 : 315-44.
- Hildebrandt, A.G., Speck, M. and Roots (1973)
Possible control of hydrogen peroxide production &
degradation in microsomes during mixed function
oxidation, reduction.
Biochem. Biophys. Res. Commun., 54 : 968-75.
- * Holt, S.J. (1963)
In A.V.S. de Reuck & M.P. Cameron, Eds. Ciba Found. Symp.
Lysosomes Boston, Little, Brown, pp. 144-125.
- Hosoi, U.T. (1982)
Gland hormone review 66413 W.
Biologically active substances in the salivary gland
Shika Kisc Igakkai Zosshi, 24(1) : 1-13.
- Humphreys-Beher, Michael, G. (1987)
Elimination of isoproterenol induced proline rich
protein biosynthesis in rat salivary glands after adult
thyroidectomy.
Biochem. Pharmacol., 36(12) : 2013-18.
- Jackson, R.L., Morrisett, J.D. and Gotto, A.M. Jr. (1976)
Lipoprotein structure and metabolism.
Physio. Review, 56 : 259-316
- Jaffa, Ayad A., Praft, I. Mbuemy, ASH Ford; Alan Bailey;
Gsabam, S. (1984)
A time course study of submandibular Kallikrein blood
glucose and insulin of alloxan diabetic &
streptozotacin diabetic rats.
Agents Action, 15(5-6) : 478-81.

- Jamieson, J.D. (1972)
 A symposium on Salivary Glands and their secretion.
 Ed. by N.H. Rowe, pp.2-7.
 Univ. of Michigan Press, Ann Arbor.
- Jiirgen, M., Meier, J. Denis McGarry, Gerald, R., Faloona,
 Roger, H., Unger & Daniel, W. Foster (1972)
 Studies of the development of diabetic ketosis in
 the rat.
 Lipid Research, 13 : 228.
- Jungas, R.L. (1966)
 Role of cyclic 3'5'-AMP in the response of adipose
 tissue to insulin.
 Proc.Nat.Acad.Sci., 56 : 757.
- Junqueira, L.C., Fajer, A. , Ribinowitch, M. & Frankenthal, L.
 (1949)
 Biochemical & Histochemical Observations on the sexual
 dimorphism of mice submaxillary glands.
 Cell.Comp.Physiol., 34 : 129-148.
- Kalina, M. and Rabinovitch, R. (1975)
 Exocytosis couples to endocytosis of ferritin in
 parotid acinar cells from isoprenaline stimulated rats.
 Cell and Tissue Research, 163 : 373-82.
- Karpen, C.W., Pritchard, K.A. Jr. Arnold, J.H., Cornwell, D.G.
 and Panganamala, R.V. (1982)
 Restoration of prostacyclin/thromboxane A₂ balance in
 the diabetic rat : influence of dietary Vit.E.
 Diabetes, 31 : 947-51.
- Karpen, C.W., Cataland, S., ODonsio, T.M., and Panganamala,
 R.V. (1985)
 Production of 12-hydroxyicosatetraenoic acid and Vit.E
 status in platelets from type-I human diabetic subjects
 Diabetes, 34 : 526-31.

- * Kessler, J.I. (1963)
J.Clin.Invest.,42 : 362-367.
- Kissebah, A.H., Alfarsi, S., Adams, P.W. and Wynn, V. (1976)
Role of insulin resistance in adipose tissue and liver
in the pathogenesis of endogenous hypertriglyceridemia
in man.
Diabetologia,12 : 563-571.
- Knauer, T.E., Woods, J.A., Lamb, R.G. and Fallon, H.J. (1982)
Hepatic triglycerol lipase activities after induction
of diabetes and administration of insulin or glucagon.
J.Lipid Res.,23 : 631-37.
- Kornbrust, D.J. and Moris, R.D. (1979)
Relative susceptibility of microsomes from lung, heart,
liver, kidney, Brain and testes to lipid peroxidation
correlation with Vit.E content.
Lipid,15(6) : 315-321.
- Kotz Uni Keiji (1984)
Effect of streptozotocin-induced diabetic state and
insulin on peroxidase activity in the rat submandibular
gland.
Japan 540 Shika Igaku.1983,46(5) : 477-89.
- Krauss, R.M., Windmueller, H.G., Levy, R.I. and Fredrichson,
D.S. (1973)
Selective measurement of two different triglyceride lipase
activities in rat post-heparin plasma.
J.Lipid Res.,14 : 286-96.
- Krause, W. (1884)
"Die Anatomie des Kaninchens" pp.202-208
Wilhelm Engelmann, Leipzig.
- Kurtz, S.M. (1964)
The salivary glands - In "Electron microscopic Anatomy
(S.M.Kurtz ed.) pp.97-122.
Academic Press, New York, London.

- Lacassagne, A. (1940)
 Dimorphisme sexual dela glande sous maxillarie chez la souris
 C.R.Soc.Biol.(Paris), 133 : 180-181.
- Ladda, R.L., Bullock, L.F., Gianopoulos, T., McCornick, L.
 (1979)
 Radioreceptors assay for epidermal growth factor
 Anal Biochem., 93 : 286.
- Lagunoff, D., Beneditt, E.P. and Watt, R.M. (1962)
 Histochemical study of esterases homospecific with trypsin.
 J.Histochem.Cytophem., 10 : 672-673.
- LaRosa, J.C., Levy, R.I., Windmuller, H.G. and Fedrickson, D.S. (1972)
 Comparison of the triglyceride lipase of Liver, adipose tissue and postheparin plasma.
 J.Lipid Res., 13 : 356-363.
- Lawrence, A.M., Kirsteins, L., Hojvat, S., Rubin, L., Palovan, V. (1975)
 Salivary gland glucagon; a parent extrapancreatic hyperglycemic factor.
 Clin.Res., 23 : 536.
- Lawrence, A.M., Kirsteins, L., Hojvat, S., Rubin, L., Mitton, J. (1976 a)
 Submaxillary gland hyperglycemic factor in man and animals; an extrapancreatic glucagon.
 Clin.Res., 24 : 364.
- Lawrence, A.M., Tan, S., Hojvat, S., Kirsteins, L., Mitton, J. (1976 b)
 Salivary gland glucagon in man and animals.
 Metabolism, 25 : 1405.

- Lawrence, A.M., Tan, S., Hojvat, S., Kirsteins, L. (1977)
 • Salivary gland hyperglycemic factor; an extrapancreatic source of glucagon-like material,
 Science, 195 : 70.
- Leblond, C. and Grad, B. (1948)
 Control of the serous acini of the rat submaxillary gland by the thyroid hormone.
 Anat.Rec., 100 : 750.
- Leeson, C.R. (1956)
 Location of alkaline phosphatase in the submaxillary gland of the rat.
 Nature (Lond.) 178 : 858-859.
- Leeson, C.R. (1967)
 Structure of Salivary glands.
 In "Hand Book of Physiology"
 (C.F.Code, ed) Section Vol.2, pp. 463-495.
 American Physiological Society, Washington.
- * Linder, C., Chernick, S.S., Fleck, T.R. and Scow, R.O. (1976)
 Am.J.Physiol., 231 : 860-864.
- Liske, R., Reber, K. (1976)
 Nonsuppressible insulin-like activity in rat organs as detected by fluorescent antibody and radioimmunoassay techniques.
 Horm.Res. 7 : 214.
- Lithell, H., Boberg, J., Hellsing, K., Lundgvist, G. and Vessby, B. (1978 a)
 Lipoprotein-lipase activity in human skeletal muscle and adipose tissue in the fasting and the fed states.
 Atherosclerosis, 30 : 89-94.
- Lithell, H., Boberg, J., Hellsing, K. and Vessby, B. (1978 b)
 Relationships between the lipoprotein lipase activities of human adipose and skeletal muscle tissue and the elimination rate of i.v. injected intralipid. In H. Peeters (Ed.) Proteins and related subjects : Vol.25 : pp.389-392, Oxford : Pergamon Press.

- Lithell, H., Cedermark, M., Froberg, J., Tesch, P. and Karlsson, J. (1981)
Increase of lipoprotein-lipase activity in skeletal muscle during heavy exercise. Relation to epinephrine excretion. *Metabolism*, 30 : 1130.
- Lithell, H., Krotkiewski, M., Kiens, B., Wroblewski, Z., Holm, G., Stromblad, G., Grimby, G. and Bjorntorp (1985)
Non-response of muscle capillary density and lipoprotein-lipase activity to regular training in diabetic patients. *Diabetes Research*, 2 : 1.
- Lithell, Hans, O.L. (1987)
Lipoprotein metabolism and physical training in normal man and diabetic and cardiac patients.
Int. Ser. Sport Sci. 1986, 16 (Biochem. Exercise 6), 279-309.
- Liu, F.T.Y. and Lin, H.S. (1969-a)
Role of insulin in body growth and growth of salivary and endocrine glands in rats.
J. Dent. Res., 48 : 559-567.
- Liu, F.T.Y. and Lin, H.S. (1969-b)
Relation between insulin and growth hormone and development of rat submandibular glands
Proc. Soc. Exp. Med. Biol., 131 : 175-179.
- * Lowry, O.H., Rosenbrough, N.J., Fart, A.L. and Randall, R.J. (1951)
J. Biol. Chem., 193 : 265.
- * Mahadevan, S. and Tapel, A.L. (1968)
Arch. Biochem. Biophys., 243 : 2849.
- Mahler, R., Stafford, W.S., Tarrant, M.E., Ashmore, J. (1964)
The effect of insulin on lipolysis
Diabetes, 13 : 297.

- Malaisse Lagae, Francine, Sener, Abdullah, Malaisse Willy, J. (1981)
 Biochemical basis of a species difference in sensitivity to alloxan.
 FEBS Lett, 133(1) : 181-2.
- Malaisse, Willy, F. (1982)
 Alloxan toxicity to pancreatic β Cell A new hypothesis.
 Biochem. Pharmacol., 31(22) : 3527-34.
- Manzie, J.W., Michelakis, A.M., Yoshida, H. (1974)
 Sympathetic nervous system and renin release from submaxillary glands and kidneys.
 Am. J. Physiol., 227 : 1281.
- Masu, Nobuo (1986)
 Biochemical studies on collagen in the submandibular glands of experimental diabetic rats.
 Shika Igaku, 49(5) : 592-604.
- Masur, S.K., Holtzman, E. and Walter, R. (1972)
 Hormone stimulated exocytosis in the toad urinary bladder.
 Journal of Cell Biology, 14 : 231-3.
- Materazzi, G. (1967)
 Some observations on the function of the "Convolute granular tubules" in the submaxillary gland of the rat.
 Riv. Biol., 60 : 73-84.
- Materazzi, G. and Vitaoli, L. (1969)
 Observations on the formation of secretion by the cells of the "Convolute granular tubules" of the submandibular gland of the rat.
 J. Anat. (Lond.) 105 : 163-170.
- Mayes Peter, A. (1988)
 Regulation of Lipid metabolism and tissue fuels in "Harper's Biochemistry"
 Eds. Murray, R.K., Granner, D.K., Mayes, P.A., Rodwell, V.W. Appleton and Lange, Norwalk, Connecticut/San Mateo, California.

- Mayfield, Ronald, K., Margolius, Harry, S., Bailey, Grahams,
Miller, Donald, H., Sens Donald, A., Squires, Josephine,
Namm, Donald, H. (1985)
Urinary & Renal tissue kallikrein in the streptozotocin-
diabetic rats.
Diabetes 34(1) : 22-8.
- Mead James, F. (1976)
Free radical mechanisms of lipid damage and consequences
for cellular membranes.
In "Free radicals in Biology Vol.I" pp.51-68
Eds. W.A. Pryor Academic Press, New York.
- Menzel Daniel, B. (1976)
The role of free radicals in the toxicity of air
pollutants (Nitrogen oxides and ozone) In "Free radicals
in Biology Vol.II" pp. 181-202.
Eds. W.A. Pryor Academic Press, New York.
- Michael, A. Pfeifer, John, D., Brunzell, James, D. Best,
Roman, G. Judzewitsch, Jeffrey, B. Halter, and Daniel
Porte, Jr. (1983)
The response of plasma triglyceride, cholesterol and
Lipoprotein lipase to treatment in non-insulin dependent
diabetic subjects without familial hypertriglyceridemia.
Diabetes, Vol. 32.
- Mochaziki, Seiba, Muras, Toshio, Yamaoka, Hiroki, Ishikawa,
Shimichiro, Abe, Masakazu (1985)
Myocardial **lipoprotein** lipase activity on rats with
streptozotocin induced diabetes.
Tonyoby (Tokyo), 27(8) : 929-36.
- Mohanam, J., Bose, J.M. (1983)
Influence of streptozotocin and alloxan induced diabetes
in the rat on collagenase of certain lysosomal enzymes
in relation to the degradation of connective tissue
proteins.
Diabetologia, 25(1) : 66.

Murakami, H. (1974)

Changes in activities of several enzymes for carbohydrate metabolism in rat submaxillary gland in response to experimental diabetes and insulin treatment. *J.Nihon.Sch.Dent.*, 16 : 91-94.

Nagasawa, J., Douglas, W.W. and Schulz, R.A. (1971)

Micropinocytic origin of coated and smooth microvesicles (Synaptic vesicles) in neurosecretory terminals of posterior pituitary glands demonstrated by incorporation of horse radish peroxidase. *Nature, London*, 232 : 341-2.

Nakai, T., Yamada, T., Yamai, T., Kobayashi, T., Hayashi, T. and Takada, R. (1979)

The effect of streptozotocin diabetes on hepatic triglyceride lipase activity in the rat. *Metabolism*, 28 : 395.

Nelson, Lennort Boqurst, Lennart (1982)

Effect of alloxan on the transport of the dicarboxylate, tri carboxylate, pyruvate of glutamate in isolated mouse liver mitochondria.

Acta diabetol Lat., 19(3) : 253(9)

Nishigaki, I., Hagiwara, M., Tsunekawa, H., Maseki, M. and Yagi, K (1981)

Lipid peroxide levels of serum lipoprotein fraction of diabetic patients.

Biochem.Med., 25 : 373-78.

Nilsson-Ehle, P., Garfinkel, A.S. and Schotz, M.C. (1980)

Lipolytic enzymes and Lipoprotein metabolism

Ann.Rev.Bioch.(Snell, E.E., Boyer, P.D., Meister, A. and Richardson, C.C. eds.) Vol.49 : pp.667-693.

Annual Reviews Inc, California.

Nomura, T., A.Kishisaiguchi, H.H. Matsunaga and Nobuo (1982)

The effect of fasting and streptozotocin diabetes on the triglyceride lipase activity of Rat Liver Plasma membrane *Lipid*, 17(8) : 573.

- Nomura, T., Hagino, Y., Goto, M., Iguchi, A. and Sakamoto, N. (1984)
The effects of streptozotocin diabetes on tissue specific lipase activities in the rat.
Lipids, 19 : 594-99.
- Olefsky, J.M., Fazquhar, J.W. & Reaven, G.M. (1974)
Reappraisal of the role of the insulin in hypertriglyceridemia.
American Journal of Medicine, 57 : 551-560.
- Oliver, C. & Hand, R.A. (1977)
Uptake and fate of lumenally administered horseradish peroxidase in resting and isoproterenol stimulated rat parotid acinar cells.
Journal of cell Biology, 76 : 207-20.
- Olivercrona, T. Bengtsson, G. Mackland, S.F., Lindahl, V. and Hook, M. (1977)
Heparin-Lipoprotein lipase interactions
Federation proceedings, 36 : 60-65.
- Orimo, H.; Nakano, T. & Noma (1977)
Post-heparin triglyceride lipase activity (PHGLA) in diabetic rats. in *Atherosclerosis Vol. IV*. Schettler G, Goto, Y., Hala, Y., & Klose, G., Eds. New York, Springer-Verlag, pp.342-46.
- Orstavik, T.B., Brandtzoeg, P., Nustand, K. & Halvorson, K.M. (1975)
Cellular localization of kallikreins in rat submandibular and sublingual salivary glands. Immunofluorescence tracing related to histological characteristics.
Acta Histochem. (Jena), 54 : 183-192.
- Pagano Mirani-Oastdijk, C. Havekes, L., Terpstra, J., Frolich, M., Van Cent, C.M. and Jansen, H. (1983)
Diurnal changes in serum triglycerides as related to changes in lipolytic enzymes, (apo) lipoproteins and hormones in normal subjects on a carbohydrate-rich diet.
European Journal of clinical Investigation, 13 : 301-309.

- Palla, J.C., Ben Abdeljelil, A., and Desnuelle, P. (1967)
Comparative study of the control of amylase biosynthesis in rat pancreas biosynthesis in rat pancreas and parotid glands.
Biochim.Biophys.Acta, 136 : 563-565.
- Pananamala, R.V., & Cornwell, D.G. (1982)
The effects of vitamin E an arachidonic and metabolism.
Ann.N 7, Acad.Sci. 393 : 376-93.
- Patil, V.B. (1984)
Anatomical and Histochemical study of salivary glands of Frugivorous and insectivorous Bats.
M.Phil thesis submitted to Dept. of Zoology, Shivaji University, Kolhapur.
- Peters, A. and Vaughan, D.W. (1981)
Central nervous system.
Ed. by J.E. Johnson, Jr.
Ageing & Cell Structure
Plenum Press, New York, London, 1-34.
- Pigman, W. and Gottschalk, A. (1966)
Submaxillary gland glycoproteins
In "Glycoproteins, Their composition structure and Function" (A.Gottschalk, Ed.), pp.434-445
Elsevier, Amsterdam.
- Pillai, M.M., & Nadar, T.S. (1987)
Effect of alloxan diabetes on lysosomal enzymes in salivary glands.
J.Shivaji Univ.(Sci.) Vol.23 (In Press)
- Pillai, M.M., Maldar, Y.R. & Mundgnur (1989)
Effect of alloxan diabetes on amylase and trypsin of the rats salivary glands.
Indian J.Animal Physiology, 7(1) : 23.
- Pinkstaff, C.A. (1975)
Carbohydrate histochemistry of the opossum submandibular and major sublingual glands.
Amer.J.Anat. 143 : 501-511.

- Pisanty, J., Dieck, M.N., Garaza, M.L., Garza, J.M., Gomez, M.F. (1975)
Diabetogenic effect of submaxillary gland implantation and submaxillary gland extract injection in dogs and mice.
IRCS.Med.Sci., 3 : 521.
- Pritchard, K.A. Jr., Patel, S.T., Karen, C.W., Newmass, H.A.I and Panganomala, R.V. (1986)
Triglyceride lowering effects of Dietary vitamin E in Streptozotocin-induced Diabetic Rats.
Diabetes, 35 : 278-81.
- Pushpendran, C.K. & Jacob Eapen (1974)
Effect of insulin on lipid metabolism in suckling and weanling mice.
Indian Jr. of Expt. Biology, 12 : 304-306.
- Pykalisto, O.J., Smith, P.H. and Brunzell, J.D. (1975)
Determinants of human adipose-tissue lipoprotein lipase. Effect of diabetes and obesity on basal and diet-induced activity.
Journal of Clinical Investigation 56 : 1108-1117.
- Raghupathy, E., Orthlieb, C. and Abraham, S. (1975)
Lipogenesis by intact hepatocytes from normal and diabetic rats.
Lipid 10 : 653.
- Randle, P.J., Newsholme, E.A. and Garland, P.B. (1964)
Regulation of glucose uptake by muscle, 8. Effects of fatty acids, ketone bodies and pyruvate and of alloxan diabetes and of alloxan diabetes and starvation on the uptake and metabolic fate of glucose in rat heart and diaphragm muscles.
Biochem.J. 93 : 652-65.
- Renner, F., Schernthaherb, G. and Gangl, A. (1984)
Intestinal metabolism of plasma free fatty acids in streptozotocin diabetic rats.
Lipid, 19 : 875.

- Riekkinen, P.J. and Niemi, M. (1968)
Androgen-dependent salivary gland protease in the rat.
Endocrinology, 83 : 1224-1231.
- Robinson, D.S. (1970)
In "Comprehensive Biochemistry" (Florkin, M. and Stotz, E.H. Eds.) Vol.18, pp. 51-116.
Elsevier, Amsterdam.
- Robert C.B., John, J.A., Patricia, W.W., Clarice, R.W. and Martin, L.B. (1982)
Abnormal composition of high-density lipoproteins in non-insulin-dependent diabetics; in Diabetes, 31; 126-131.
- Raynaud, J. (1960)
Contrôle hormonal de la glande sous-maxillaire de la souris.
Bull.Biol. 94 : 400-523.
- Raynaud, J. (1964)
The action of thyroid and adrenal glands on the submaxillary gland of mice.
In "Salivary Glands and Their Secretions" (L.M.Sreebny and J.Meyer eds.) pp.47, Pergamon:Oxford.
- Sadur, C.N. and Eckel, R.H. (1982)
Insulin stimulation of adipose tissue lipoprotein lipase. Use of the euglycemic clamp technique.
J. of Clinical Investigation, 69 : 1119-1125.
- Samorajski, T., Keefe, J.R. and Ord, J.M. (1964)
Intracellular localization of lipofuscin age pigments in the nervous system.
J.Gerontol, 19 : 262-276.
- Schlote, W. and Boellaard, J.W. (1983)
Role of lipopigment during ageing of nerve and glial cells in the human central nervous system. In Cervos-Eds. Navarro J. and Sarkander H.I. Brain Ageing : Neuropathology and Neuropharmacology (Ageing Vol.2) Raven Press, New York, pp. 27-74.

- Schneyer, L.H. and Schneyer, C.A. (1967)
 "Salivary Mechanism of Salivary Glands"
 Eds. L.H. Schneyer and C.A. Schneyer
 Academic Press, New York and London.
- Schwab, M.E., Stockel, K. and Thoenen, H. (1976)
 Immunocytochemical localization of nerve growth
 factor (NGF) in the submandibular gland of adult mice
 by light and electron microscopy.
 Cell Tiss.Res. 169 : 289-299.
- * Scow, R.O., Blanchette, Mackie, E.J. and Smith, L.C. (1976)
 Circ. Res. 39 : pp. 149-162.
- Selinger, Z., Sharoni, Y. and Schramm, M. (1974)
 Modification of the secretory granule during secretion
 in the rat parotid gland.
 In "Advances in Cytopharmacology" (B.Ceccarelli,
 F. Clementi and J.Meldolesi eds.)
 Vol. 2 : pp. 23-28, Raven Press, New York.
- Serrano, M. Angeles, Cabezas, Jose, A., Reglero, Angel (1985)
 Carbohydrate contents, and glycosides and glycosyl-
 transferase activities in tissues from streptozotocin
 diabetic mice.
 Comp.Biochem.Physiol., B.Comp.Biochem.80B(3) : 629-32.
- Severson, D.L., Larsen, T.S., Ramirez, I. (1987)
 Triacylglycerol lipase activities in isolated
 myocardial cells from chronically diabetic rat hearts.
 Basic Res.Cardiol. 82 (Suppl.1) : 37-38.
- Shackelford, J.M. (1963)
 The Salivary glands and salivary bladder of the nine-
 banded armadillo.
 Anat.Rec. 145 : 513-519.
- Shackelford, I.M. and Wilborn, W.H. (1968)
 Structural and histochemical diversity in mammalian
 salivary glands.
 Ala.J.Med.Sci. 5 : 180-203.

- Shafer, W.G. and Muhler, J.C. (1955)
Experimental dental caries VI. The effect of hypophysectomy on dental caries and the salivary glands of the rat.
J.Dent.Res., 34 : 531-536.
- Shafer, W.G., Clark, P.G. and Muhler, J.C. (1959)
Salivary gland function in the rat. III Protease and arginase activity of submaxillary glands and whole saliva.
J.Dent.Res., 38 : 121-128.
- Sharma, A.K., Dasgupta, S.R., Ghosh, A.K. (1981)
Comparative studies on the effects of streptozotocin and alloxan diabetes on small intestinal and pancreatic carbohydrate activities.
Calcutta Med.J., 78 (9-10) : 135-40.
- Shibko, S. and Tappel, A.L. (1964)
Arch.Biochem.Biophys., 106 : pp.259.
- Shubnikova, E.A., Kuznetsova, N.A., Pogadina, L.S. (1984)
Gland isoproterenol diabetes changes in mouse. Submaxillary glands after isoproterenol injection to intact and pancreatectomized animals.
Byull.Eksp.Biol.Med., 97(3) : 355-8.
- Silverman, H., Dunbar, J.C. (1974)
The submaxillary gland as a possible source of glucagon.
Bull.Sinai.Hosp.Detroit, 22 : 192.
- Smith, R.J., Frommer, J. and Schiff, R. (1971)
Localization and onset of amylase activity in mouse salivary glands determined by a substrate film method.
J.Histochem.Cytochem., 19 : 310-319.
- Smith, R.J. and Frommer, M.G. (1972 a)
On the function of granular tubules in rodent submandibular glands : Histochemical observations on Octodon degas.
Arch.Oral.Biol., 17 : 1375-1380..

- Smith, R.J. and Frommer, J. (1972 b)
Effects of prepubertal castration on development of granular tubules and amylase activity in the male mouse submandibular gland.
Arch.Oral.Biol. 17 : 1561-1571.
- Smith, S., Mazur, A., Voyles, N., Bhathena, S., Recant, L.(1979)
Is submaxillary gland immunoreactive glucagon important in carbohydrate homeostasis?
Metabolis, 28 : 343.
- Snedecor, C.W. (1946)
In 'Statistical Methods'
Iowastate College Press, Ames, Iowa.
- Sochor, Milena, Baquer, Najma Zaheer, McLean, Patricia (1985)
Glucose over and under utilization in diabetes : comparative studies on the change in activities of enzymes of glucose metabolism in rat kidney & liver.
Mol.Physiol.,7(1) : 51-67.
- Sreebny, L.M. and Meyer, J. (1964)
"Salivary Glands and Their Secretions"
Eds. L.M. Sreebny and J.Meyer, Pergamon, Oxford.
- Sreebny, L., Meyer, J., Bachem, E. and Weinmann, J.P. (1957)
Restoration of enzymatic activity in the submaxillary gland of the hypophysectomised albino rat.
Endocrinology,60 : 200.
- * Stoffel, W. and H. Greten (1967)
Z.Physiol.Chem.,318 : pp. 1145.
- Stotz, E. (1955)
"Liver Esterase" Methods in Enzymology pp. 657
Eds.Colowick S.P. and Kaplan N.O. Academic Press Inc.Publishers, New York.
- Szymczyk, T., Swiattowska, B. and Jachimowicz, M. (1971)
Effect of alloxan diabetes on the content of sialic acids and activity of uridyl transferases in rat salivary glands.
Acta Biochim.Pol.,18 : 177-185.

- Tamarin, A. and Sreebny, L.M. (1965)
The rat submaxillary salivary gland. A correlative study by light and electron-microscopy.
J.Morphol., 117 : 295.
- Tamarin, A. (1966)
Myoepithelium of the rat submaxillary gland.
J.Ultrastruct.Res., 16 : 320-338.
- * Tan, M.H., Sata, T. and Havel, R.J. (1977)
J.Lipid Res., 18 : 363-370.
- Tandler, B. (1965)
Ultrastructure of the human submaxillary gland III
Myoepithelium Z. Zellforsch, 68 : 852-863.
- Taskinen, M.R., Nikkila, E.A., Kuusi, T. and Harno, K. (1982)
Lipoprotein lipase activity and serum lipoproteins in untreated type-2 (insulin dependent) diabetes associated with obesity.
Diabetologia, 22 : 46-50.
- Taylor, K.G., Wright, A.D., Carter, T.J.N., Valente, A.J., Betts, S.A. and Mathews, K.A. (1981)
High density lipoprotein cholesterol and apolipoprotein A-I levels at diagnosis in patients with non-insulin dependent diabetes.
Diabetologia, 20 : 535-539.
- Thompson, M.P. and Williamson, D.H. (1975)
Metabolic interactions of glucose acetate and adrenaline in rat submaxillary gland in vitro.
Biochem.J., 146 : 635-44.
- Turkington, R.W., Males, J.L. and Cohen, S. (1971)
Synthesis and Storage of epithelial epidermal growth factor in submaxillary gland.
Cancer Res., 31 : 252.

- Wada, K., Miki, H., Etoh, M., Okuda, F., Kumada, T. and Kusakawa, R. (1983)
The inhibitory effect of lipid peroxides on the activity of the membrane bound and the solubilized lipoprotein lipase.
JPM Circulation, J. 47 : 837-42.
- Walden, C.E., Knopp, R.H., Wahl, P.W., Beach, K.W. and Strandness, E. Jr. (1984)
Sex differences in the effect of diabetes mellitus on lipoprotein triglyceride and cholesterol concentration.
The New England Journal of Medicine 311 : 953-59.
- Weimar, V.L. and Haraguchi, K.H. (1975)
A potent, new mesodermal growth factor from mouse submaxillary gland. A quantitative, comparative study with previously described submaxillary gland growth factor.
Physiol.Chem.Phys. 7 : 7-21.
- * Wilks, S.S. (1949)
In "Elementary Statistical Analysis"
Princeton University Press.
- Wilson, Dana, E., Zeikus, Regina, Chan, Ing.Fong. (1987)
Relationship of organ lipoprotein lipase activity and ketonuria to hypertriglyceridemia in starved and streptozotocin-induced diabetic rats.
Diabetes, 36(4) : 485-90.
- * Wing, D.R. and Robinson, D.S. (1968)
Biochem.J. 106 : 667-676.
- Wool, L.G. and Cavicchi, P. (1967)
Protein synthesis of skeletal muscle ribosomes.
Effect of diabetes and insulin.
Biochemistry, 6 : 1231.

- Yki-Jarvinen, H., Taskinen, M.R., Koivisto, V.A. and Nikkila, E.A. (1984)
Response of adipose tissue Lipoprotein lipase activity and serum lipoproteins to acute hyperinsulinemia in man.
Diabetologia, 27 : 364-369.
- Yoshimura, F. (1956)
Cytological changes in rat salivary glands following hypophysectomy and somatotrophic hormone administration.
Okaj.Folia Anat.Jap., 28 : 195-205.
- Young, J.A. and Van Lennep, E.W. (1977)
Morphology and Physiology of salivary myoepithelial Cells. In "Gastrointestinal physiology II (International Review of Physiology, Vol.12)" Ed. R.K.Crane pp. 105-125, University Park Press, Baltimore.
- Young, J.A. and Van Lennep, E.W. (1978)
"The morphology of Salivary Glands"
Eds. J.A. Young and E.W. Van Lennep.
Academic Press London, New York.
- Zebrowski, E.J. and Brimmer, M. (1978)
Effect of alloxan diabetes on α -amylase and sialic acid levels in the parotid and submandibular glands of rats.
Pharm.Therap.Dent., 3 : 7-16.

* References marked with asterisk are not referred in the original.