

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

Aggarwal S.K. (1974). Inhibition of cytokinesis in mammalian cells by cis-dichlorodiammine platinum (II). *Cytobiologie*, 8 : 395.

Aggarwal S.K. (1979). Effects of cis-dichlorodiammineplatinum (II) on the microfilaments and inhibition of cytokinesis. *J. Cell Biol.* 83 : 327a.

Aggarwal S.K. and Hammouda E.M. (1980). Fine structural changes in the Ca^{2+} , Ca^{2+} and Mg^{2+} - activated ATPase, and alkaline phosphatases in renal tubules after cisplatin treatment. 38th Ann. Proc. Electron Microscopy Soc. Amer. pp. 444-445 (ed. G.W.Bailey) Claitors Publishers, Louisiana.

Ahren B., Veith R.C. and Taborsky, G.J. Jr. (1987). Sympathetic nerve stimulation versus pancreatic norepinephrine infusion in the dog. 1) Effects on basal release of insulin and glucagon. *Endocrinology*, 121 : 323-331.

Ahren B. and Taborsky G.J. (1986). The mechanism of vagal nerve stimulation of glucagon and insulin secretion in the dog. *Endocrinology*, 118 : 1551-1557.

Ahren B., Taborsky G.J.Jr. and Porte D. Jr. (1986). Neuropeptidergic versus cholinergic and adrenergic regulation of islet hormone secretion. *Diabetologia*, 29 : 827-836.

Allen F.M. (1913). Studies concerning glucosuria and diabetes. Boston, MA, Leonard.

Anderson A., Westman J. and Hellerstrom C. (1974). Effects of glucose on the ultrastructure and insulin biosynthesis of isolated mouse pancreatic islets maintained in tissue culture. *Diabetologia*, 10 : 743-753.

Anderson A. (1974). Long-term effects of glucose on insulin release and glucose oxidation by mouse pancreatic islets maintained in tissue culture. *Biochem. J.* 140 : 377-382.

Anderson M.E., Akira Naganuma and Altonmeister (1990). Protection against cisplatin toxicity by administration of glutathioneester. *FASEB J.* 4 : 3251-3255.

Baily C.M., Teboul M.J., Chabarder D., Huschharel A., Motagut M., Cligue A. and More P.F. (1980). The distal nephron of rat kidney : A target site for glucagon. *Proc. Nat. Acad. Sci.* 77 : 3422-3424.

Balkan B., Steffens A.B., Brugginle J.E. and Strubbe J.H. (1991). HYperinsulinemia and glucose tolerance in obese rats with lesions of the ventromedial hypothalamus : Dependence on food intake and route of administration. *Metabolism*; Vol.40; No.10 pp.1092-1100.

Barritt G.J., Parker J.C. and Wadsworth J.C. (1981). *Physiol (London)*, 312 : 29-55.

Batzer M.A. and Aggarwal S.K. (1986). An in vitro screening system for the nephrotoxicity of various platinum coordination complexes. A cytochemical study. *CancerChemother. Pharmacol.* 17 : 209-217.

Bergman R.N. and Miller R.E. (1973). Direct enhancement of insulin secretion by vagal stimulation of the isolated pancreas. *Amer. J. Physiol.* 225 : 481-486.

Bergmeyer H.U. and Bernt E. (1963). Transaminases : Colorimetric determination with 2,4-dinitrophenyl hydrazine. In : *Methods of Enzymatic Analysis* (ed. Bergmeyer, H.U.), pp.837-853, Acad. Press, New York.

Bernad C. (1958). *Lecons sur la physiologie et pathologie du system nerveux*. Paris, Germany - Baillitre.

Blaustein M.P. (1985). Intracellular calcium as a second messenger, what's so special about calcium ? In: Rubin R.P., Weiss G.B., Putney J.W.Jr. eds. Calcium in Biological Systems. New York, Plenum Press, pp. 23-33.

Blair J.B., Cook D.E. and Lardy H.A. (1973). The influence of glucagon on the metabolism of xylitol and dihydroxyacetone in the isolated perfuse deer liver. *J. Biol. Chem.* 248 : 3601-3607.

Boyd A.E. II, Hill R.S., Oberwetter J.M. and Berg M. (1986). Calcium depending and free calcium concentrations, during insulin. Secretion in a hamster beta ce line. *J. Clin. Invest.* 77 : 774-781.

Braaten J.T., Falona G.R. and Unger R.H. (1974). The effect of insulin on the alpha-cell response to hyperglycemia in long standing alloxan diabetes. *J. Clin. Invest.* 53 : 1017-1021.

Bradfield J.R.G. (1950). *Biol. Revs.* 25 : 113-157 (cited by Burstone, 1962).

Brown D.M., Andres G.A., Hostetter T.H., Mauer S.M., Price R. and Venkatachalam M.A. (1982). Kidney Complication Diabetes (Suppl.1) 31 : 71.

Cahill G.F.Jr., Ashmore J., Zottu S and Hastings A.B. (1957). Studies on carbohydrate metabolism in rat liver slices IX. Ionic and hormonal effects on phosphorylase and glycogen. *J. Biol. Chem.* 224 : 237-250.

Capasso G., Giordans D.R., Thompson, G., De Santon G. and Massary S.G. (1990). Parathyroidectomy has a beneficial effects of expteral CDDP nephropathy.

Caranza F.A.Jr. and Cabrini R.L. (1962). Histochemical demonstration of acid phosphatase in healing wound. *Science*, 135 : 672.

Chan T.M., Bacon C.B. and Hill S.A. (1979). J. Biol. Chem. 254 : 8730-8732.

Charltron J.A. and Baylis P.H. (1990). Stimulation of rat renal medullary Na^+/K^+ -ATPase by arginine vasopressin is mediated by the V_2 receptor. Journal of Endocrinology, 127 : 213-216.

Chitnis M.S., Wagh U.V. and Kamat D.N. (1978). Histochemistry of alkaline phosphatase in kidney tissue cultural cells : Acase enzyme induction. Indian J. Expt. Biol. 16 : 873-879.

Comunale R., Fadda G.Z., Premdas F., Thanakitcharu P., Lispon L.G. and Massry S.G. (1990). Reduced k-induced insulin secretion in chronic renal failure (CRF) contributes impaired extrarenal disposal of K^+ : Role of excess PTH. J. Am. Soc. Nephrol. 1 : 624.

Clark M.G., Bloxham D.P., Holland P.C. and Lardy H.A. (1974). Estimation of the fructose 1,6-diphosphatase phospho- α -fructokinase substrate cycle and its relationship to gluconeogenesis in rat liver in vitro. J. Biol. Chem. 249 : 279-290.

Cowan J.D., Kies M.S., Roth J.L. and Joyce R.P. (1980). Nerve conduction studies in patients treated with cis-diamminedichloroplatinum (II) : a preliminary report. Cancer Treat. Rep. 64 : 1119-1122.

Curry D.L. and McDonald R.B. (1991). Neural regulation of glucose-stimulated insulin secretion in younger and older fischer 344 rats (43238). P.S.E.B.M., Vol.197

Curt G.A., Grygiel J.J. and Coraen B.J. (1983). RNase I and pharmacokinetic study of diammine cyclobutane dicarboxylato platinum (NSC 241240) Cancer Res. 43 : 4470-4473.

Cusworth D.C. (1958). Biochem.J. 86 : 262-264. (cited by Burstone, 1962).

Danielli J.F. (1954). Proc. Roy. Soc. B. 142 : 146-154 (cited by Burstone, 1962).

Daniel P.M. and Henderson J.R. (1967). Effect of vagal stimulation on plasma insulin and glucose levels in the baboon. J. Physiol. (Lond.), 192 : 317.

David K.U., Roy B., Roberts, Betty M. Sellor and Elias Meezan (1987). Regression of renal hypertrophy and elevated renal Na^+ , K^+ ATPase activity after insulin treatment in streptozotocin-diabetic rats. Endocrinology, 120 : 2166-2173.

DeFronzo R.A. (1981). The effect of insulin on renal sodium metabolism. A review with clinical implications. Diabetologia, 21 : 165.

Duckworth W.C. (1976). Insulin and glucagon radiation by the kidney : I. Subcellular distribution under different assay condition. Biochim. Biophys. Acta. 437 : 518-530.

Duncan G.G. (1959). Diseases of metabolism. Sounders Philadelphia, Pennsylvania, U.S.A.

Dixon M., Webb E.C., Throne C.J.R. and Tipton K.F. (1979). Enzymes - third edition.

Emmanuel D.S., Jaspan J.B., Kuku S.F. and Katz A.I.C. (1976). Pathogenesis and characterization of hyperglucagonemia in the uremic rat. J. Clin. Invest. 58 : 1266-1272.

Evan A.P., Mong S.A., Connors B.A., Aronoff G.R. and Luft F.C. (1984). The effect of alloxan and alloxan induced diabetes on the kidney. The Anatomical Record 208 : 33-47.

Exton J.H. and Harper S.C. (1975). In advances in cyclic nucleotide Research (Drummond G.I., Greengard P., Robinson G.A. eds.), Vol.5, pp. 519-532, Raven, New York.

Exton J.H., Robinson G.A., Sutherland E.N. and Park C.R. (1971). J. Biol. Chem. 246 : 6166-6177.

Exton J.H. (1980). Am. J. Physiol. 238 : E3-E12.

Exton J.H. (1972). Gluconeogenesis, Metabolism, 21 : 945-990.

Exton J.H. and Park C.R. (1968). Control of gluconeogenesis in liver. II Effect of glucagon, catecholamines and adenosine-3' 5'-nonphosphate on gluconeogenesis in the perfused rat liver. J. Biol. Chem. 243 : 4189-4196.

Fadda G.Z., Akmal M., Premdas F.H., Lipson L.G. and Massry S.G. (1988). Insulin release from pancreatic islets. Effects of CRF and excess . Kidney Int. 33 : 1066-1072.

Fadda G.Z., Hajjar S.M., Perna A.F., Zohux J., Lipson L.G. and Massry S.G. (1991). On the mechanism of impaired insulin secretion in chronic renal failure. J. Clin Invest. 87 : 255-261.

Fadda G.Z., Thanakitcharyu P. and Massry S.G. (1991). Phosphate depletion reduces potassium induced insulin secretion (43313). P.S.E.B. Vol. 198, pp. 742-746.

Feliu J.E., Hue L. and Hers H.G. (1976). Hormonal control of pyruvate kinase activity and gluconeogenesis in isolated hepatocytes.

Fiske C.H. and Subbarow P. (1925). The colorimetric determination of phosphorous. J. Biol. Chem. 66 : 375-400.

Foster J.L. and Blair J. (1978). Acute hormonal control of pyruvate kinase and lactate formulation in the isolated rat hepatocytes. Arch. Biochem. Biophys. 189 : 263-276.

Foster B.J., Clagett-Carr K., Ceylano Jones B. (1985). Results of NCI-sponsored phase I trials with carboplatin. Cancer Treat. Rev. 12 (Suppl. A) 43-49.

Francoise Rohner - Jeanrenaud, Elisabeth Bobbioni, Elisabeth Ionescu, Jean-Francois Sauter and Bernard Jeanrenaud (1983). Central nervous system regulation of insulin secretion. Advances in metabolic disorders. Vol.10

Frohman L.A., Ezdinzi E.Z. and Javid R. (1967). Effect of vagotomy and vagal stimulation on insulin secretion. Diabetes, 16 : 443-448.

Frohman L.A. and Bernardis L.L. (1968). Growth hormone and insulin levels in weanling rats with ventromedial hypothalamic lesions, Endocrinology, 82 : 1125-1132.

Goldin S.M. (1979). Identification of the Na^+/K^+ -ATPase driven active transport system by reconstitution. Its role in active ion resorbtion in the kidney. In: Skou J.C., Norby J.G. (eds.) $\text{Na}^+ \text{K}^+$ ATPase structure and kinetics. pp. 69-85.

Gordon J.A., Gaffoneii (1986). Mitochondrial alternation in cisplatin induced acute renal failure. Am. Jr. Physiol. 250 : 991-998.

Guarino A.M., Miller D.S., Arnold S.T., Pritchard R.D., J.B. Davis, R.D. Urbanek, MA. A-Miller T.J., Litterst, C.L. (1979). Platinato toxicity : past, present and prospects. *Cancer Treat. Rep.* 63 : 1475-1483.

Ghiretti F. (1950). On the activity of acid and alkaline phosphatase during tail regeneration in *Triturus cristatus* (Laur). *Experimentia*, 6 : 98-100.

Girardier L., Scydoux J. and Campfield L.A. (1976). Control of A and B cells in vivo by sympathetic nervous input and selective hyper or hypoglycemia dog pancreas. *J. Physiol. (Paris)*, 72 : 801-814.

Glinsmann W.H. and Mortimore G.E. (1968). *Am. J. Physiol.* 215 : 553-559.

Goldstein R.S. and Mayor G.H. (1983). Mini review : The nephrotoxicity of cisplatin. *Life Sci.* 32 : 635.

Goldstein R.S., Nordewier B., Bond J.T., Hook J.B. and Mayor G.H. (1981). Cisplatin nephrotoxicity is to time course and dose response of renal functional impairment. *Toxicol. Appl. Pharmacol.* 60 : 163.

Goldstein R.S., Mayor G.H. and Rosenbaum R.W. (1982). Glucose intolerance following cis-platinum treatment in rats. *Toxicology*, 24 : 273-280.

Goldstein R.S., Mayor G.H., Gingerich R.L., Hook J.B., Robinson B and Bond J.T. (1983). Hyperglucagonemia following cisplatin treatment. *Toxicology and Appl. Pharmacology*, 68 : 250-259.

- . Hanson S.W. (1990). Autonomic neuropathy after treatment with cisplatin, vinbeastine and bleomycin for germ cell cancer. *Bri. Med. J.* 300 : 511-512.
- . Hard W.L. and Hawkins R.S. (1950). The role of bile capillaries in the secretion of phosphatase by the rabbit liver. *Anat. Record.* 106 : 395-410.
- . Harper H.E. (1963). Glucose-6-phosphatase. In : Methods of Enzymatic Analysis. Bergmeyer Hans-Ulrich (ed.) pp. 788-792, Acad. Press, New York and London.
- . Hems D.A., Rodrigues L.M. and Whitton P.D. (1978). *Biochem. J.* 172 : 311-317.
- . Hems D.A., Rodrigues L.M. and Whitton P.D. (1976). *Biochem. J.* 160 : 367-374.
- Hill J., Spir R.J., Lobe E., McLellan A., Hill N.O. and Khan A. (1972). Clinical experience with cisplatin in advances in antimicrobial and antineoplastic chemotherapy. Vol.2, Baltimore University Park Press. p.255.
- . Holst JJ, Gronholt R., Schaffalitzky de Muckadell OB., Fahrenkrug J. (1981). Nervous control of pancreatic endocrine secretion in pigs. Insulin and glucagon response to electrical stimulation of vagus nerves. *Acta. Physiol. Scand.* 111 : 1.
- . Hoskin B.R., Feibelman A., Koury and Taylor (1979). Effectiveness of insulin therapy on altered renal Ca^{+2} transport in diabetic rats. *Diabetes*, 23 : 1088-1094.

Hue and van de Werve (1981). Short term regulation of liver metabolism. Vol. 10 edition, Elsevier North Holland, Bio-Med Press, Amsterdam.

Hutson N.J., Brumley F.T., Assimacopoulos F.D., Harper S.C. and Exton J.H. (1976). J. Biol. Chem. 251 : 5200-5208.

Iguchi A., Gotoh M. and Matsunaga H. (1988). Relative contributions of the nervous system and hormones to CNS mediated hyperglycemia. Am. J. Physiol. 225 : E920-E927.

Ingle D.J. (1952). Role of adrenal cortex in homeostasis. J. Endocrinol. 8 : 23-27.

Inoue S. and Bray G.A. (1977). The effects of sub-diaphragmatic vagotomy in rats with ventromedial hypothalamic obesity. Endocrinol. 100 : 108-114.

James D., Antonio S. and Aggarwal S.K. (1984). Effects of cisplatin on gastric smooth muscle contractility in rats : an in vitro study. Vol. 14 : No.3.

John T.M., Pilo B., George J.C. and Scanes C.G. (1985). Effect of vagotomy on plasma levels of growth hormones, free fatty acids glucose in the pigeon. Archives Internationales de physiologie et de Biochimie. 93 : 249-253.

Johnson P.C., Brendel K. and Meezan E. (1981). Human diabetic perineurial cell basement membrane thickening. Lab Invest. 44 : 265-270.

Kalkhoff R.K., Yorde D.E., Roman R.J., Siegesmund K.A. and Dragon R.F. (1987). Fluctuations in alpha cell calcium. Potassium and sodium during amino acid. Perfusion of rat pancreatic islets. Endocrinology, Vol. 121 No.1

Kaneto A., Kosaka K. and Nakao K. (1967). Effect of stimulation of the vagus nerve on insulin secretion. *Endocrinology*, 80 : 530.

Kaplan M.M. and Righetti I. (1970). Induction of rat liver alkaline phosphatase : The mechanism of the serum elevation in bile duct obstructions. *J. of Clinical Investigation*. 49 : 508-516.

Kedar A., Cohen M.E. and Freeman A.I. (1978). Peripheral neuropathy as a complication of cis-dichlorodiammine platinum (II) treatment. A case report. *Cancer Treat. Rept.* 62 : 819-821.

Kern T.S. and Engerman R.L. (1991). Renal hemodynamics in experimentally galactosemic dogs and diabetic dogs. *Metabolism*, Vol.40, No.5 : pp. 450-455.

Kido K., Nakajo S., Kamiya F., Toyama Y. and Nakagawa H. (1978). Renal net glucose release in vivo and its contribution to blood glucose in rats. *J. Clin. Invest.* 62 : 721-726.

Kita H. and Oomura Y. (1982). An HRP study of the afferent connections to rat lateral hypothalamic region. *Brain Res. Bull.* 8 : 63-71.

Klockars M. and Wegelius O. (1969). Lysosomal enzymes in regenerating rat liver. *Proc. Soc. Exp. Biol. Med.* 131 : 218-222.

Kneer N.M., Bosch A.L., Clark M.G. and Lardy H.A. (1974). *Proc. Nat. Acad. Sci. USA* 71 : 4523-4527.

Kneer N.M., Bosch A.L., Clark M.G. and Lardy H.A. (1974). Glucose inhibition of epinephrine stimulation of hepatic gluconeogenesis by blockade of C-receptor function. *Proc. Natl. Acad. Sci. USA* 71 : 4523-4527.

- Kneer N.M., Wagner M.J. and Lardy H.A. (1979). Regulation by calcium on hormonal effects of gluconeogenesis. *J. Biol. Chem.* 254 : 1260-1269.
- Kramer M.T.C., Catovsky D. and Foa R. (1978). Cell membrane enzymes : alkaline phosphatase and alkaline phosphodiesterase I in normal and leukaemic lymphocytes. *Br. J. Haematol.* 40 : 111.
- Krebs H.A. (1963). Renal gluconeogenesis. In : *Advances in Enzyme Regulation*. Weber G. (ed.) Vol.7, pp.273-290. Pergamon Press, Oxford.
- Kuhne W. (1879). Unters a d. Physiol. Institut. der-Univ. Heidelberg 1. 291.
- Lambert H.E. and Berry R.J. (1985). High dose cisplatin compared with high dose cyclophosphamide in the management of advanced epithelial ovarian cancer (FIGO Stages III and IV) : report from the North Thames Cooperative Group. *Br. Med. J.* 290 : 889-893.
- Langerhans P. (1869). Contributions to microscopic anatomy of the pancreas M.P. thesis, Berlin Pathological Institute, Berlin (Translated by Morrison H.) John Hopkins Hospital Press, Baltimore.
- Lee K.C. and Miller R.E. (1985). The hepatic vagus nerve and the neural regulation of insulin secretion. *Endocrinology*, 117 : 307-314.
- LeFebvre P.J. and Luyakx A.S. (1975). Effect of acute kidney exclusion by ligation of renal arteries. On peripheral plasma glucagon levels and pancreatic glucagon production, anesthetized dog. *Metabolism*, Vol.24, No.10.

- Leloir L.E. and Goldenberg S.H. (1962). Glycogen synthetase from rat liver. In : Methods of Enzymology, Colowick S.P. and Kaplan N.O. (eds.), Vol. V, pp.145-157, Academic Press, New York and London.
- Levy J., Grunberger G., Karl I. and Gavin J.R. (1990). Effects of food restriction and insulin treatment on $(Ca^{2+} + Mg^{2+})$ -ATPase response to insulin in kidney basolateral membranes of NIDD rats. Metab. Vol.39, No.1, pp.25-33.
- Cippard S.J., Ushay H.M., Merkel C.M. et al. (1983). Use of antibodies to probe the stereo chomistry of antitumor platinum-drug binding to DNA. Biochemistry, 22 : 5156-5168.
- Litterst C.L. (1981). Alterations in the toxicity of cis-diphlorodiamme platinum-II and in tissue localization of platinum as a function of NaCl concentration in the vehicle of administration. Toxicol. Appl. Pharmacol. 61 : 99-106.
- Litterst C.L., LE Roy A.F. and Guarin A.M. (1979). Distribution and disposition of platinum, following parenteral administration of cis-dichlorodiammidiplatinum (II) to animals. Cancer Treat. Rep. 63, 1485-1492.
- Lowry D.H., Rosenbrough N.J., Farr A.L. and Randall J. (1952). Protein measurement with Folin phenol reagent. Jr. Biol. Chem. 193 : 265-275.
- Madias N.E. and Harrington J.T. (1978). Platinum nephrotoxicity. Amer. J. Med. 65 : 307-314.
- Mahler R.J. and Szabo O. (1968). Metabolic effects of insulin on rat kidney after inhibiting degradation of the hormone. Endocrinology, 83 : 1166.

Malaisse W.J., Giroix M.H., Zahner D., Marynissen G., Sener A. and Portha B. (1991). Neonatal streptozotocin injection : A model of glucotoxicity. *Metabolism*, Vol.40, pp.1101-1105.

Malaisse L.F., Sonor A. and Malaisse W.J. (1987). Can desensitization of the B-cell to D-glucose be simulated in cultured pancreatic islets. *Acta Diabetol. Lat.*, 24 : 17-25.

Malaisse W., Mallisse-Lagae F., Wright P.H. and Ashmore J. (1966). Effects of adrenergic and cholinergic agents upon insulin secretion in vitro. *Endocrinology*, 80 : 975-978.

Marin A.C. and Rierson B. (1979). Peripheral neuropathy secondary to cis-dichlorodiamminoplatinum (II) (Platinol). *Ariz. Med.* 36 : 898-899.

Matsunotetsuya (1989). End products of glutamine oxidation in MC-29 virus induced chicken hepatoma. *Biochem. Med. Metabolism*, 42(2) : 125-131.

McDonald R.B. (1990). Effect of age and diet on glucose tolerance in sprague-dawley rats. *J. Nutr.* 120 : 598-601.

Mehta P.C. and Pilo B. (1988). Metabolic effect of insulin on the kidney of blue rock pigeon (*Columbia livia*). *Jr. Amin. Morphol. Physiol.* Vol.35, No.2 pp.193-200.

Mehta P.C. and Pilo B. (1989). Effect of catecholamines on metabolic activities of kidney of blue rock pigeon, *Columbia livia*. *J. Amin. Morphol. Physiol.* Vol.36 No.2, pp.223-232.

Meier J.M., McGarry J.D., Faloona G.R., Unger R.H. and Foster D.W. (1972). *J. Lipid Res.* 13 : 228.

Micetich K.C., Barnes D. and Erickson L.C. (1985). Comparative study of the cytotoxicity and DNA - damaging effects of cis-(diammino)(1,1-cyclobutane dicarboxylase)-platinum (II) and cis-diamminedichloroplatinum (II) on L1210 cells. *Cancer Res.* 45 : 4043-4047.

Miller R.E. (1981). Pancreatic neuroendocrinology : peripheral neural mechanisms in the regulation of the islets of longer hans. *Endocr. Rev.* 2 : 471.

Miller K. and Michael A.F. (1976). Immunopathology of renal extra cellular membranes in diabetes mellitus. *Diabetes* 25 : 701-708.

Mishra D. and Mohanty B. (1967). Diurnal variation of the acid phosphatase activity in the leaves of the cowpea. *Planta*, 75 : 239-242.

Moltz J.H., Samson W.K., Dobbs R.E. and Fawcett C.P. (1979). Paradoxical increase in glucagon to glucose in rats bearing VMH lesions. *Fed. Proc.* 38 : 879.

Mollman J.E. (1990). Cisplatin neurotoxicity. *The New Eng. Jr. of Med.* Vol. 322 No.2, pp. 126-127.

Mondon, Carle and Stanley D. Burtow (1971). Factors modifying carbohydrates metabolism and effect of insulin in perfused rat livers. *Am. J. Physiol.* 220(3) : 724-734.

Miller W.A., Faloon G.R. and Unger R.H. (1971). *New Engl. J. Med.* 285 : 1450.

Murphy E., Coll K., Rich T.L. and Williamson J.R. (1980). *J. Biol. Chem.* 225 : 6600-6608.

Nachlas M.N., Maroulies S.L. and Skloman A.M. (1960). A 174 colorimetric method for estimation of succinic dehydrogenase activity. Jr. Biol. Chem. 235 : 499-503.

Nagata N. and Rasmussen H. (1970). PTH, 3'5' Amp, Ca⁺⁺ and renal gluconeogenesis. Proc. Natl. Acad. Sci. USA, Vol. 65, 368-374.

Niijima A. (1982). Glucose sensitive afferent nerve fibres in the hepatic branch of the vagus nerve in the guinea-pig. J. Physiol. 332 : 315.

Nishizuka V.Y. (1984). The role of protein kinase in cell surface signal transduction and tumour promotion. Nature, 308 : 693-698.

Oberwetter J.M. and Boyd A.E. (1987). High K⁺ rapidly stimulates Ca²⁺ dependent phosphorylation of three proteins concomitant with insulin secretion from HIT cells. Diabetes, 36 : 864-871.

Ogata K., Watford M., Brady L.J. and Hanson R.W. (1982). Mitochondrial phospho-enol pyruvate carboxykinase (GPT) on the regulation of gluconeogenesis and ketogenesis in avian liver. J. Biol. Chem. 257 : 5385-5391.

Oguri S., Sakakibara T. and Mase H. et al. (1988). Clinical pharmacokinetics of carboplatin. J. Clin. Pharmacol. 28 : 208-215.

Okamoto H. Molecular basis of experimental diabetes : Degeneration, oncogenesis and regeneration of pancreatic B-cells of islets of Langerhans. Bio Essays, Vol. 2, No.1 : 15-21.

Oommen S. (1992). Comparative studies on the effect of cisplatin toxicity and vagotomy on the liver and kidney of rat and pigeon. A Ph.D. thesis submitted to the M.S. University of Baroda, Baroda.

Onoda J.M., John R., Taylor J.D., Sloane B.F. and Honn K.V. (1986). Cisplatin and nifedipine : synergistic cytotoxicity against urine solid tumours and their metastases. Cancer Lett. 30 : 181-188.

- Onoda J.M., Nelson K., Taylor J.D. and Honn K.N. (1988). Cisplatin and nifidepine : synergistic anti tumour effects against an inherently cisplatin resistant tumour. *Cancer Lett.* 40 : 39-48.
- Oomura Y. (1973). Central mechanism of feeding."In: advances in biophysics, Vol.15, University of Tokyo Press, pp. 65-142.
- Ozols R.F., Ostchega Y., Curt G. et al. (1987). High dose carboplatin in refractory ovarian cancer patients. *J. Clin. Oncol.* 5 : 197-201.
- Ozols R.F. (1988). Intraperitoneal chemotherapy in the management of ovarian cancer. *Semin Oncol.* 12 : 75-80.
- Parikh R. (1992). Studies on the role of autonomic regulation of liver metabolism. A Ph.D. thesis submitted to the M.S. University of Baroda, Baroda.
- Payen and Persoz J.F. (1833). *Ann. Chim. (Phy S)* 53 : 73.
- Pearce J. and Brown W.O. (1971). Carbohydrate metabolism in "Physiology and Biochemistry of domestic fowl", Vol.1 (D.J.Bell and V.M.Freeman, eds.) London : Academic Press, Chapter 11.
- Peter W.T., Pister, Nicholas P. Restivo, Engeniocresosimo and Murry F. Brenann (1991). The effect of euglycemic hyperinsulinemia and amino acid infusion on regional and whole body glucose disposal in man. *Metabolism*, Vol.40 No.1, pp. 59-65.
- Pilkis S.J., Riou, J.P. and Claus T.H. (1976). Hormonal control of (¹⁴C)glucose synthesis from (4-¹⁴C)dihydroxyacetone and glycerol in isolated rat hepatocytes. *J. Biol. Chem.* 251 : 7841-7852.
- Pilo B. and Patel P.V. (1978a). Influence of insulin and acetyl-choline on transport of glucose and glycogen deposition in liver slices of pigeon and rat. *Ind. J. Exp. Biol.* 16 : 929 - 932.
- Pilo B., Verma R.J. and Patel P.V. (1984). Increased hepatic gluconeogenesis and glucose release due to a bilateral vagotomy in domestic pigeons. *Pavo*, 22 (1&2) : 30-35.

Pilo B., and Verma R.J. (1985). The role of vagal cholinergic fibres in the blood sugar regulatory mechanism in birds - A review. *Pavo*, 23 : 1-14.

Pilo B., Verma R.J. and Patel P.V. (1985a). Effect of bilateral vagotomy on the biochemical profile of the liver of domestic pigeons. *J. Anim. Morphol. Physiol.* 32 : 189-194.

Pilo B. and Mehta P.C. (1985). Dietary variation and kidney metabolism in three different species of birds, pigeon, sparrow and swift. *Pavo*, 23 (1&2) : 25-30.

Pilo B., John T.M. and George J.C. (1986). Post-vagotomy ultrastructural changes in the liver of pigeon. *Zool. Anz.* 216 : 250-256.

Pilo B. and P.C.Mehta (1988). Effect of thyroid hormones on the metabolic activities of kidney of blue rock pigeon (*Columba livia*). (*Pavo*, Vol.26, Nos. 1 and 2, pp. 59-66.

Pilo B. and P.C.Mehta (1988). Effect of acetylcholine on metabolic Activities of the kidney of blue rock pigeon (*Columba livia*, Gmelin). *Ind. Jr. of Exp. Biol.* 26 : 734-736.

Pilo B., Ramjeet S. Prem Singh and John C. George (1988). Post vagotomy ultrastructural changes in the adrenal of the pigeon. *Zool. Anz.* 220 : 314 S 185-194. VEB Gustav Fischer Verlag Jena.

Pilo B. and P.C.Mehta (1989). Effect of glucagon administration on the metabolic activities of kidney of blue rock pigeon (*Columba livia*, Gmelin). *Ind. J. Comp. Amin. Physiol.* Vol.7, pp.134-139.

Pippard C. and Baylis P.H. (1984). The stimulation of Na^+/K^+ ATPase activity in the medulla of the rat kidney by (arginine) vasopressin and its analogues. *Clinical Science*, 66 : 561-567.

Porte D. Jr., Garber A.L., Kuzuya T. and Williams R.H. (1966). The effect of epinephrine on immunoreactive insulin levels in man. *J. Clin. Invest.*, 45 : 228-236.

Poiries M.C., Egorin M.J., Sichtinger-Schepman A.M.J. (1988). DNA adducts of cisplatin and carboplatin in tissues of human cancer patients. In : Bartsch A., Hemminke K. and O'Neill J.K. (eds.), Damaging agents in humans applications in cancer epidemiology and prevention (IARC Scientific Publication No. 89) pp. 313-320.

Post R.L. and Sen A.K. (1967). Sodium and potassium stimulated ATPase. In : Methods in Enzymology, Vol. 10 (Estabrook R.W. and Pullman H.E. eds.), Acad. Press, N.Y. pp. 762-768.

Preston A.M. (1985). Modification of streptozotocin induced diabetes by protective agents. Nutrition Research, Vol.5, pp.435-446.

Rasch . R. and Norgaard J.O.R. (1982). Renal enlargement comparative autoradiographic studies of ³H-thymidine uptake in diabetic and uninephrectomised rats. Diabetologia, 25 : 280.

Rasmussen H. and Weissman (1981). The messenger function of calcium in endocrine system. In: Biochemical actions of hormones (Litwack G. ed.), Vol. VIII, Academic Press, New York.

Rasmussen S., Zawalich K.C., Ganesan S., Calle R. and Zawalich W.S. (1990). Physiology and pathophysiology of insulin secretion. Diabetic Care, 13 : 655-666.

Rasmussen H. (1981). Calcium and cAMP as synergic messengers. Wiley, N.Y.

Reaven E.P., Gold G., Reaven G.M. (1979). Effect of age on glucose-stimulated insulin release by the B-cell of the rat. J. Clin. Invest. 64 : 591-599.

Reaven G.M. (1980). Insulin independent diabetes mellitus : Metabolic characteristics. *Metabolism*, Vol.29, No.5, 445-454.

Reaven E., Curry D., Moore J. and Reaven G. (1983). Effect of age and environmental factors in insulin release from the perfused pancreas of the rat. *J. Clin. Invest.* 71 : 346-350.

Reece P.D., Bishop J.F., Oliver W. (1987). Pharmacokinetics of unchanged carboplatin (CBDCA) in patients with small cell lung carcinoma. *Cancer Chemother. Pharmacol.* 19 : 320-330.

Reed E. and Chabner B.A. (1986). Clinical cancer treatment and drug resistance : The interface of the clinic and the laboratory. In: Cory J.C. and Szentivonyi A. (eds.), *Cancer Biology and Therapeutics*. Plenum Publishing Corp. New York pp. 173-179.

Reed E. and Eastman A. (1988). Assay development to assess relative cisplatin - DNA adduct repair capacity in fresh human tissues. *Proc. Am. Assoc. Cancer Res.* 29 : 338.

Reed E., Ozols R.F. and Fasy T. (1986). Biomonitoring of cisplatin DNA adducts in cancer patients receiving cisplatin chemotherapy. *Prog. Clin Biol. Res.* 209B : 247-252.

Rehner-Jeanrenaud F., Bobbioni E., Sauter J.F. and Jeanrenaud B. (1983). Central nervous system regulation of insulin secretion. In : Sabo A.J. (ed.), *Advances in metabolic disorder*. Academic Press, New York, Vol. 10 : 193.

Reinhart P.H., Taylor W.M. and Bygrave F.L. (1984). The action of a adrenergic agonists on plasma membrane calcium fluxes in perfused rat liver. *Biochem. J.* 220 : 43-50.

Reinhart H.P., Taylor M.W. and Bygrave L.F. (1984). The contribution of both extracellular and intracellular calcium to the action of alpha-adrenoregic agonists in perfused rat liver. Biochem. J. 220 : 35-42.

Reinhart P.H., Taylor W.M. and Bygrave F.L. (1982a). Biochem. J. 208 : 618-630.

Richardson S.G., Hollander C.S., D'Eletto R. (1980). Acetyl choline inhibits the release of somalostatin from rat hypothalamus in vitro. Endocrinology, 107 : 122-129.

Richardson P. and Castwell B.M.J. (1990). Autonomic neuropathy after cisplatin based chemotherapy. Brit. Med. J. 300 : 1466.

Roberts J.J. and Friedlos F. (1987). Differential toxicity of cis- and trans-diammine dichloroplatinum (II) toward mammalian cells : Lack of influence of any difference in the rates of loss of their DNA bound adducts. Cancer Res. 47 : 31-36.

Rogers (1960). Studies on chick brain of biochemical differentiation related to morphological differentiation and onset of function III. Histochemical localisation of alkaline phosphatase. J. Exp. Zool. 145 : 49-55.

Rognstad R. (1976). Int. J. Biochem. 7 : 403-408.

Cited by Claus T.H. and Pilkis S.J. (1981).

Rohner-Jeanrenaud and Jeanrenaud (1985). Involvement of the cholinergic system in insulin and glucagon oversecretion of genetic preobesity. Endocrinology, 116 : 830-834.

Rosen G., Nirenberg A., Carparros B., Juergens H., Tan C. and Gutierrez M. (1980). Cisplatin in metastatic osteogenic sarcoma. In Cisplatin : Current status and new developments. (A.W.Prestayko, S.T.Crooke and S.K.Carter, eds.), pp. 465-475.

Rosenberg B., Van Camp L. and Krigas T. (1965). Inhibition of cell division in *E. coli* by electrolysis products from a platinum electrode. *Nature*, 205 : 698.

Rosenberg B. (1980). Cisplatin : Its history and possible mechanisms of action. In Cisplatin : Current status and new developments. (A.W.Prestayko, S.T.Crooke and S.K.Carter, eds.) pp. 9-20.

Rosenthal I.M., Bonting S.L., Hogan W. and Pirani C.L. (1960). A.M.A.J.- Diseases Children, 99 : 185-192 (cited by Burstone, 1962).

Rosetti L., Shulman G.S., Zawalich W.I. (1987). Effect of chronic hyperglycemia on in vivo insulin secretion in partially pancreatectomized rats. *J. Clin. Invest.* 80 : 1037-1044.

Russell R.C.G., Thompson J.P.S., Bloom S.R. (1974). The effect of truncal and selective vagotomy on the release of pancreatic glucagon, insulin and enteroglucagon. *B.R.J.Surg.* 61 : 821.

Saitoh Y. and Ui M. (1975). *Biochim. Biophys. Acta*, 404 : 7-17.

Sauter J.S. (1967). Investigations on the physiology of the woody rays of the polar II. The seasonal changes in activity of acid phosphatase in woody ray parenchyma and its relation to the metabolism and transport of carbohydrates. *Ziel. Pflanzen. Physiol.* 55 : 349-362.

Schaeppi V., Heyman I.A., Fleischman R.W., Rosencrantz H., Ilievski V., Phelan R., Cooney D.A. and Davis R.D. (1973). cis-dichlorodiammineplatinum (II) (NSC-119875) : Preclinical toxicological evaluation of intravenous injection in dogs, monkeys and mice. *Toxicol. Appl. Pharmac.* 25 : 230-241.

Schmidt R.E. and Scharp D.W. (1982). Axonal dystrophy in experimental and diabetic autonomic neuropathy. *Diabetes*, 31 : 761-770.

Scrutton and Griffiths (1981). Chapter II in short term regulation of liver metabolism, Vol. 10 (Ille and van de Werf, ed.)

Scrutton M.C., Keech D.B., Utter M.F. and Olmsted M.R. (1965). Pyruvate carboxylase from chicken liver. *Jr. Biol. Chem.* 240 : 574, pp. 3714.

Seyer-Hansen K. (1977). *Diabetologia*, 13 : 141-143.

Shah C.S. and Mistry S.P. (1979). Development of gluconeogenic, glycolytic and pentose. Shunt enzymes in the chicken kidney. *Poult. Sci.* 58 : 663-667.

Shah R.V. and Pilo B., Asnani M.V., Kishnani, K.T. and kathuria, P.D. (1974). Wound healing and repair in the liver of alloxan diabetic rats. II. A quantitative study of ascorbic acid during the process. *J. Anim. Morphol. Physiol.* 23 : 132-143.

Sherline P., Lynch A. and Glinsmann W.H. (1973). *Endocrinology*, 91 : 680-690.

Shevchuk I.A. (1973). Zinc metabolism and alkaline phosphatase activity in the kidneys of albino rats with alloxan diabetes and repeated administration of insulin. *Probl. Endocrinol.* 19(1) : 61-65.

Shimazu T. (1979). Acta Physiol. Pol. 30, Suppl. 18, 1-18.

Shimazu T. (1977). In : Food intake and chemical sensors (T.Katsuki, M.Sato, S.F.Takagi and Y.Oomura, eds.), pp. 575-585, University of Tokyo Press, Tokyo.

Shimazu T. and Amakawa (1965). Regulation of glycogenic metabolism in liver by autonomic nerves system II. Nerval control of glycogenolytic enzymes. Biochem. Biophys. 335-348.

Shimazu T. (1963; 1967). Glycogen synthetase activities in liver. Regulation by the autonomic nerves. Science, 156 : 1256-1257.

Shimazu T. (1981). Diabetologia, 20 : 343-356.

Sieffter S., Dayton S., Novic B. and Muntywlar V. (1950). The estimation of glycogen with anthrone reagent. Arch. Biochem. 25 : 191-200.

Sneer A.B., Herscovici, Marcela Dinu, Strola V. and Constantin E. (1970). On the presence of lysosomal enzymes in the serum of rats, following the administration of alloxan. Rev. Roum. Endocrinol. 7(4) : 319-323.

Snowdon C.T. and Epstein A.N. (1970). Oral and intragastric feeding in VgX rats. J. Comp. Physiol. Psycol. 71 : 59.

Spiro R.G. and Spiro M.J. (1971). Effects of diabetes on the biosynthesis of the renal glomerular basement membrane. Studies on the glucosyltransferase. Diabetes, 20 : 641.

Sochor M., Kunjara S., Greenbaum A.L. and Mclean P. (1986). Renal hypertrophy in experimental diabetes. Biochem. J. 234 : 573-577.

Sommerville B.A. and Fox J. (1987). Changes in renal function of the chicken associated with carcitoxin and parathyroid hormone. Gen. Comp. Endocrinol. 66 : 381-386.

Steer K.A., Sochor M., Gonzalez A.M. and Mclean P. (1982). FEBS Lett. 150 : 494-492.

Stekhoven F.S. and Bonting S.L. (1981). Transport adenosine triphosphatases : Properties and functions. Physiol. Rev. 61 : 1.

Suki W.N. and Rouse D. (1981a). Mechanism of calcium transport. Mineral : Electrolyte metabolism. 5 : 145-182.

Svensson C. and Hellerstrom C. (1991). Long term effects of a high glucose concentration in vitro on the oxidative metabolism and insulin production of isolated rat pancreatic islets. Metabolism, Vol. 40, No.5, pp. 513-518.

Szepesi B., Avery E.H. and Freedland R.M. (1970). Role of kidney in gluconeogenesis and amino acid catabolism. Am. J. Physiol. Vol.219, No.6, pp. 1627-1631.

Taylor W.M., Reinhart P.H. and Bygrave F.L. (1983a). Pharmacol. Ther. on the press.

Thompson S.W., Davis L.E., Komfeld M., Hilgers R.S. and Stanolefer J.C. (1984). Cisplatin neuropathy : clinical electrophysiologic, morphologic and toxicological studies. Cancer, 54 : 1269-1275.

Thompson W. MD, Davis L.E. MD, Kornfelo M. MD, Hilgers R.D., MD and Standefer J.C. (1984). Cisplatin neuropathy. Clinical, electrophysiologic, morphologic and toxic studies. Cancer, 54 : 1269-1275.

Tokunaga et al. (1986). Endocrinol. Vol.119 (4) : 1078.

Tsuruo T., Iida H., Tsukagoshi S., Sankuri Y. (1982). Increased accumulation of vincristine and Adriamycin in drug resistant, P388 tumour cells following incubation with calcium antagonists and calmodulin inhibitions. Cancer Res. 42 : 4730-4733.

Unger R.H., Orci L. (1975). Lancet 1, 14-16.

Van der Zee C.E., Gerritsen van der Hoop R., Gispen W.H. (1989). Beneficial effect of org 2766 in treatment of peripheral neuropathy in streptozocin-induced diabetic rats. Diabetes. 38 : 225-230.

Vance M.L., Borges J.L., Kaiser D.L. et al. (1984). Human pancreatic tumor growth hormone releasing factor : Dose response relationships in normal man. J. Clin. Endocrinol. Metab. 58 : 838-844.

Van Lis J.M.J., Jennikens F.G.I. (1977). Plasma proteins in human peripheral nerve. J. Neurol. Sci. 34 : 329-341.

Varley H. (1975). Colorimetric method. In : Practical clinical biochemistry. By Varley H., published by Arnold-Heinemann Publishers (India), Private Ltd., Indian Edition.

Vassilev P.M., Kanazirska M.P., Charamella L.J., Dimitrov N.V. and Tien H.T. (1987). Changes in calcium channel activity in membranes from CDDP (II) resistant sensitive L1210 cells. Cancer Res. 47 : 519-522.

Vassilev P.M., Kanazirska M.P., Charamella L.J., Dimetrov N.V. and Titien H. (1981). Changes in calcium channel activity in membrane from cisplatin (II) resistant and selective L1210 cells. Cancer Res. 47 : 519-522.

Viswanathan D.M., Pilo B., George J.C. and Etches R.J. (1987). Effect of vagotomy as circulating levels of catecholamines and corticosterone in the pigeon. Comp. Biochem. Physiol. Pharmacol. Vol. 86, No.1 pp. 7-9.

Von Hoff D.D., Reichert C.M., Cuneo R., Reddick R., Gallagher M., Rozencweig M. (1979). Demyelination of peripheral nerves associated with cis-diamminedichloroplatinum (II) DDP therapy (Abstr.). Proc. Am. Assoc. Cancer Res. 20 : 91.

Vorbrodt A. (1958). Histochemically demonstrable phosphatases and protein synthesis. Exp. Cell Res. 15 : 1-20.

Vostrikov V.M. (1978). Effect of bilateral subdiaphragmatic vagotomy on the content and distribution of glycogen and glycogen phosphatase in rat liver under carbohydrate load. Paatol. Fiziol. Eksp. Ter., 2 : 59-62.

Weber R. and Niehus B. (1961). The acid phosphatase activity in the tail of xenopus larvae during growth and metamorphosis. Helv. Physiol. Acta, 19 : 103-117.

Welsh N., Hellerstrom C. (1990). Effects of tissue culture on insulin production in islets from rats treated neonatally with streptozotocin. Endocrinology, 126 : 1842-1848.

William Cacini and Yuvraj Singh (1991). Renal metallothionein and platinum levels in diabetic and non-diabetic rats injected with cisplatin. P.S.E.B.M. Vol. 197.

Williamson, Cooper R.H. and Hoek J.B. (1981). Role of calcium in the hormonal regulation of liver metabolism. Biochimica et Biophysica Acta, 639, 243-295.

Wollheim C.B., Pozzan T. (1984). Correlation between free Ca^{2+} and insulin release in an insulin secreting cell line. *J. Biol. Chem.* 259 : 2262-2267.

Wachstein M. (1963). Cyto and histochemistry of the liver. In : the liver 1 : Ch.Rouiller (ed.) Academic Press, New York.

Walmsley A.R. (1988). The dynamics of the glucose transporter. *Trunks in Biochem. Sci.* 13.

Ward G.M., Weber K.M., Walters I.M., Aitken P.M., Lee B., Best J.D., Boston R.C. and Alford F.P. (1991). A modified minimal model analysis of insulin sensitivity and glucose mediated glucose disposal in insulin dependent diabetes. *Metabolism*, Vol.40 No.1, pp 4-9.

Watford M., Yaacov-hod, Yu-Bin Chiao, M.F.Utter, R.W.Hanson (1981). The unique role of the kidney in gluconeogenesis of chicken. Significance of a cytosolic form of PEPCK. *J. Biol. Chem.* 256 : 10023-10027.

Watford M. (1985). Gluconeogenesis in the chicken : Regulation of PEPCK gene expression. *Fed. Proc.* 44 : 2469-2474.

Watkins P.J. (1990). Diabetic autonomic neuropathy. *The New Eng. J. Med.* 322 : 1078-1079.

Weiss I.W., Morgan I.C. and Phang J.M. (1972). Cyclic adenosine monophosphate stimulated transport of amino acid in the kidney cortex. *J. Biol. Chem.* 247 : 760-764.

Xu T., Sladky J.T., Brown M.J. (1989). Dose-dependent expression of neuropathy after experimental pyridoxine intoxication. *Neurology*, 39 : 1077-1083.

Yagihashi S. and Sima A.A.F. (1985). Diabetic autonomic neuropathy in the BB rat. *Diabetos*, 34 : 558-564.

Yki-Jarvinen H., Koivisto V.A. (1984). Insulin sensitivity in newly diagnosed type I diabetes after ketacidosis and after three months of insulin therapy. *J. Clin. Endocrinol. Metab.* 59 : 371-378.

Yki-Jarvinen H., Koivisto V.A. (1984). Continuous subcutaneous insulin infusion therapy decreases insulin resistance in type I diabetes. *J. Clin. Endocrinol. Metab.* 58 : 659-66.

Yoshimatsu H., Nijima A., Oomura Y., Yamabe K. and Katafuchi T. (1984). Effects of hypothalamic lesion on pancreatic autonomic nerve activity in the rat. *Brain Research*, 303 : 147-152.

Zhou X.J., Fadda G.Z., Perna A.F., Massry S.G. (1991). Phosphate depletion impairs insulin secretion by pancreatic islets. *Kidney Int.* 39 : 120-128.

Zwelling L.A., Kohn K.N., Ross W.E., Ewig R.A.C. and Anderson T. (1979). Kinetics of formation and disappearance of a DNA cross-linking effect in mouse leukemia L 1210 cells treated with cis and trans DDP (II). *Cancer Res.* 38 : 1762-1788.

Addendum

Albert J. Dalton, Françoise Haguenau. Ultrastructure of the kidney, Academic Press, New York, London.

Alexander Leaj, Ramzi-S. Cotran. Renal pathophysiology. New York, Oxford University Press, 1976.

Berdainer, C.D. Carbohydrate metabolism. Hemisphere Publishing Corporation, 1976.

Bradford.H. Chemical neurobiology. W.H.Freeman and Company, New York.

Canon W.B. The wisdom of the body, Ed.2, New York, W.W.Norton and Co. Inc. 1963.

Earl Usdin, William R., Bunney, J.R. and John, M. Davis. Neuroreceptors basic and clinical aspects. John Wiley and Sons. Chichester, New York, Brisbane, Toronto.

Geoffrey Burnstock and Marcello Costa. Adrenergic Neurons. London, Chapman and Hall.

Giorgio Gabella. Structure of the autonomic nervous system. London Chapman and Hall. A Halsted Press Book, John Wiley and Sons, Inc. New York.

Guyton, A.C. Test book of medical physiology. Ed. 6, Philadelphia, W.B.Saunders Co., 1981.

Helmut Sigel with assistance of Alfred Sigel. Metal ions in biological systems. Volume 17, Calcium and its role in biology. Marcel Dekker Inc. New York and Basel.

John Malins. Clinical diabetes mellitus. English Language Book Society and Chapman and Hall.

Lehninger A.L. Principles of biochemistry, New York, Worth Publishers Inc. 1982.

Leonard J. Kryston, M.D. and Ralph A. Shaw. Endocrinology and diabetes, Grune and Stratton. A subsidiary of Horcourt Brace Jovanovich Publishers, New York, San Francisco, London.

Moffat. The mammalian kidney. Cambridge University Press, Cambridge, London, New York, Melbourne.

Orskov H., Olsen S.T., Nilsen L.K., Rafaelsen and Lundback K. (1965). Kidney lesions in rats with severe long term alloxan diabetes. Diabetologia, 1 : 172-179.

Stephen J. Lippard. Platinum, gold and other metal chemotherapeutic agents chemistry and biochemistry. ACS Symposium Series 209. American Chemical Society, Washington D.C. 1983.

Stryer, L. Biochemistry Ed. 2, Sanfransisco, W.H.Freeman and Co. Publishers, 1981.

Thibodeau G.A. Ph.D. 1987, Anatomy and physiology. Times Mirror / Mosby College Publishing, St.Louis, Toronto, Santa Clara.

Wardener. The Kidney. The English Language Book Society and Churchill Livingstone.

Adler. R. A, Farrel. M. E, Deiss. W. P, Kreig. R. J, McLeod. R. M.
1991. Hypercalciuria in a new rat model of hyperprolactinemia.
Metabolism : Vol : 40, No : 3 : 292 - 296.

Bray. G. A, York. D. A. 1972.

Studies on food intake of genetically obese rats.

Am. Jr. Physiol. 223 : 176.

Jeanrenaud. R. F, Bobbioni. E, Ionescu. E, Sauter. J. F,
Jeanrenaud. B. 1983.

Central nervous system regulation of insulin secretion.

In : Szabo AJ(ed). Advances in metabolic disorders.

Vol. 10 : 193. Academic press, New York.

Pekarthy. J. M, Short. J, Albert. I, Lansing and Irving. L, 1972.
Function and control of liver alkaline phosphatase. Jr. Biol.
Chem. 247 : (6). 1767 - 1774.

Sivaramakrishnan. S, and Ramasarma. T. 1983.

Norepinephrine stimulates SDH through B-adrenergic receptors.

Ind. Biochem. Biophys; 20 : 16 - 22.