

REFERENCE

Abourizk, N.N. and Dunn, J.C. (1990):

Types of diabetes according to national diabetes data group classification: Limited applicability and need to revise it.
Diabetes care; 13 (11): 1120-1123.

Ackermann (1992):

The endocrine pancreas.
Essentials of human physiology.
Toronto, Mosby year book.

Akerblom, H.K. and Reunanen, A. (1985):

The epidemiology of insulin dependent diabetes mellitus (IDDM) in Finland and in Northern Europe.
Diabetes care; 8 (Suppl. 1): 10-16.

Albin, J. and Rifkin, H. (1982):

Etiologies of diabetes mellitus.
Med. Clin. N. Am.; 66: 1208-1226.

Ali, O.F.; Hanafi, F.Z.; Salem, M. and Farag, M.R. (1986):

A socio medical study on the epidemiology of juvenile onset diabetes mellitus in Mansoura school age children (under 15 years).
Egypt J. commun. Med.; 2 (1): 131-150.

Allen, C., Zaccaro, D.J.; Palta, M.; Klein, R.; Duck, S.C. and D'Alessio, D.J. (1992):

Glycemic control in early IDDM.
Diabetes care.; 15: 980-987.

Allgrove, J. (1988):

Improved metabolic control in a distinct general hospital clinic.
Diabetes care, 63: 180-185.

Alviggi, L.; Johnston, C.; Hoskins, P.J.; Tee, D.E.; Pyke, D.A. Leslie, D.R. and Vergani, D. (1984):

Pathogenesis of insulin dependent diabetes: A role for activated T lymphocyte.
Lancet; ii: 4-5.

American Diabetes Association (1987):

Nutritional recommendations and principles for individuals with diabetes mellitus.

Diabetes care, 10: 126-132.

American Diabetes Association (1989):

Physician guide to type I diabetes.

Diabetes care, 12: 13-20.

Anderson, B.J.; Wolf, F.M., Burkhardt, M.T.; Cornell, R.G. and Bacon, G.E. (1989):

Effects of peer group intervention on metabolic control of adolescents with IDDM. Randomized out patient study.

Diabetes care; 12: 179-183.

Andreani, D. and Di Mario, U. (1984):

The etiology of type 1 diabetes mellitus. In: Nattrass, M. and Santiago, J.V. (Eds.): Recent Advances in Diabetes, vol. I Churchill Livingstone, Edinburgh, London, Melbourne and New York, PP. 1-14.

Arneil Gavin, C. (1984):

Book of pediatrics, third edition, Churchill livingstone, Edinburgh.
P. 1017.

Ashby, J.P and Firer, B.M. (1988):

Is a fructosamine a clinically useful test.

Diabetic medicine; 5: 118-121.

Atkinson, M.A.; Maclaren, N.K., Riley, W.J.; Winter, W.E.; Eisk, D.D. and Spillar, R.P. (Univ. of Florida) (1986):

Are insulin autoantibodies markers for IDDM?

Diabetes; 35: 894-898.

Awadalla, M.A.; Salem, M.; EL-Sheikh, N.; EL-Kholy, M.S. Bukr, M.S. and Eita, R.A. (1988):

Thyroid hormones abnormalities in insulin dependent diabetes mellitus.

J. Military Med. Academy; III (2): 139-147.

Baekkeskov, S.; Aanstoot, H.J.; Christgau, S.; Reetz, A.; Solimena, M.; cascalho, M.; Folli, F.; Richter-Olesen, H. and Decamilli, P. (1990):

Identification of the 64 K auto antigen in insulin dependent diabetes as the GABA - synthesizing enzyme glutamic acid decarboxylase.

Nature; 347: 151-156.

Baekkeskov, S.; Landin, M.; Kristensen, J.K., Srikanta, S.; Bruining, G.J.; Mandrup-poulsen, T.; de Beaufort, C.; Soeldnex, J.S.; Eisen Barth, G.; Lindgren, F.; Sundknist, G and Lernmark, A. (1987):

Antibodies to a Mr. 64.000 human islet cell antigen precede the clinical onset of insulin dependent diabetes.

J. clin. Invest., 79: 926-934.

Baekkeskov, S.; Neilsen, J.H., Marner, B.; Bilde, T.; Ludvigsson, J. and Lernmark, A. (1982):

Auto antibodies in newly diagnosed diabetic children immunoprecipitate human pancreatic islet cell proteins.

Nature; 298: 167-169.

Bantle, J.P. (1988):

The dietary treatment of diabetes mellitus.

Med. Clin. North Am. 72: 1285.

Barbosa, J. and Saner, B. (1984):

Do genetic factors play a role in the pathogenesis of diabetic microangiopathy?

Diabetologia; 27: 487-492.

Barcinski, S. and Rosenthal, E. (1977):

An abnormal insulin in juvenile diabetes mellitus.

Diabetes; 14; 780-787.

Barnett, A. H.; Eff, C.; Leslie, R.D.G. and Pyke, D.A. (1981):

Diabetes in identical twins: A study of 200 pairs.

Diabetologia; 20: 87-93.

Beggu, M.P.; Grogan, D.; and Drury, M.I. (1982):

Assessment of the outcome of an education programme of diabetes self-care.

Diabetologia; 23: 246-257.

- Belmonte, M.; Alicia, S.; Jackie, D. and Samy, S. (1988):**
Impact of SMBG on control of diabetes as measured by HbA1: 3 year survey of a juvenile IDDM clinic.
Diabetes care, vol. 11, No. 6, June.
- Bennett, P.H. (1985):**
Changing concepts of the epidemiology of insulin dependent diabetes.
Diabetes care; 8 (Suppl. 1): 29-33.
- Bergers, A.S.; Cuppers, H.J.; and Hogner, H. (1982):**
Absorption kinetics and biologic effects of sub-cutaneous injection of insulin, Preparations.
Diabetes care; 5: 77-91.
- Bergers, S.; Heding, L.G. and Fink, G. (1985):**
Radio immunological determination of human C-peptide in serum.
Diabetologia; ; 11: 541-548.
- Berk, M.A. (1993):**
The endocrine pancreas and glucose regulation.
In: sperelakis N. & Banks R.O. (eds). Physiology.
Boston Little brown.
- Binder, C.; and Faber, O.K. (1978):**
Residual beta - cell function and its metabolic consequences.
Diabetes 27, (suppl. 1): 224-227.
- Binder, C. and Rubenstein, A.R. (1978):**
Proceedings of an international C-peptide Research Symposium.
Diabetes 27 (suppl 1) : 145.
- Blix P.M.; Boddie - Willis, C.; Landau R.L.; Rochman, H. and Rubenstein, A.H. (1982):**
Urinary C-peptide : an indicator of B- cell secretion under different metabolic conditions.
J. Clin. Endocrinol. Metab., 54 : 574 - 579,.
- Block, M.B.; Mako, M.; Steiner, D.F. and Rubenstein, A.H. (1971):**
Elevated circulating pro insulin levels in insulin requiring diabetics.
J. Lab. Clin. Med.; 44; 31 - 32

- Block, M.B.; Rosenfield, R.L. and Mako, M.E. (1973):**
Sequential changes in beta cell function in insulin treated diabetic patients assessed by c-peptide immunoreactivity.
N. Engl. J. Med. 288: 1144.
- Bodansky, H.; Wolf, E.; Cudworth, A. et al. (1982):**
Genetic and immunological factors microvascular disease in type I insulin dependent diabetes.
Diabetes; 31: 70-74.
- Bodansky, H.J.; Staines, A.; Stephenson, C.; Haigh, D. and Cartwright, R. (1992):**
Evidence for an environmental effect in the etiology of insulin - dependent diabetes in a transmigratory population.
BMJ; 304: 1020-1023.
- Bodansky, H.S.; Medbak, S.; Drury, P.L. and Cudworth, A. G. (1981):**
Plasma C-peptide in long - standing type I diabetics with or without microvascular disease.
Diabetes metab.; 7: 265-269.
- Boden, G.; Master, R.W.; Gorden, S.S.; Schumann, C.R. and Owen, O.E. (1980):**
Monitoring metabolic control in diabetic - out patients with glycosylated hemoglobin.
Ann. Intern. Med.; 92: 357-360.
- Bosi, E.; Todd, I.; Pujol - Borrell, R. and Bottazzo, G.F. (1987):**
Mechanisms of auto immunity: Relevance to the pathogenesis of type I insulin dependent diabetes mellitus.
Diab. Metab. Rev.; 3: 893-923.
- Bottazzo, G.F.; Dean, B.; Gorsuch, A.N.; Cudworth, A.G. and Doniach, D. (1980):**
Complement fixing islet cell antibodies in type I diabetes. Possible monitors of active beta cell damage.
Lancet, i: 668-672.

Bottazzo, G.F.; Dean, B.M.; McNally, J.M.; Mackay, E.H.; Swift, P.G.F. and Gamble, R. (1985):

In situ characterization of autoimmune phenomena and expression of HLA molecules in the pancreas in diabetic insulinitis.
N. Engl. J. Med.; 313: 353-360.

Bratusch Marrain, P.R.; Waldhausl W.K.; Gasic, S. and Hofer, A. (1984):

Hepatic disposal of biosynthetic human insulin and porcine c-peptide in human.
Metabolism, 33: 151-157.

Bunn, H.F. (1980):

Evaluation of glycosylated hemoglobin in diabetic patients.
Diabetes; 30: 613-617.

Bunn, H.F.; Haney, D.N.; Kamin, S.; Gabbay, K.H.; and Gallop, P.M. (1976):

The biosynthesis of human hemoglobin A1C. slow glycosylation of hemoglobin in vivo.
J. Clin. invest.; 57: 1462-1469.

Byrne, E.; Savage, G; Merrett, J.D. and Kennedy; L. (1984):

Routine measurement of hemoglobin A1 at the diabetic out patient clinic. Ulster Med., 53: 51 .

Cahill, G. F. and McDevitt, H.O. (1981):

Insulin dependent diabetes mellitus: The initial lesion.
N. Engl. J. Med.; 304: 1454-1465.

Cahill, Q.F; Clancy, C.M.; and Peterson, C.M. (1983):

Control and diabetes mellitus.
N. Engl. J. Med., 294⁷: 1004-1010.

Cauter, E.V.; Mestrez, F.; Sturis, J. and Polonsky, K.S. (1992):

Estimation of insulin secretion rates from C-peptide levels.
Diabetes 41: 368-377.

Chirgwin, J.M. (1982):

Insulin and its biosynthesis. In:
Brodoff B.N. & Bleicker S.J. (eds). Diabetes mellitus and obesity.
Baltimore: williams and wilkins. P. 42-47.

Christau, B.; Akerblom, H.; Joner, G.; Dahlquist, G.; Ludvigsson, J. and Nerup, J. (1981):

Incidence of childhood insulin dependent diabetes mellitus in denmark, finland, Norway and Sweden.
Acta Endocrinol (Copenh.) 98 (suppl. 245): 68-80.

Christau, B.; Kromann, A.H.; Anderson, O.; Christy M.; Buschard, K.; Arnung, K.; Kristensen, I.H.; Peitersen, B.; Steinrud, J. and Nerup, J. (1977):

Incidence, seasonal and geographical patterns of juvenile onset insulin dependent diabetes mellitus in Denmark.
Diabetologia; 13: 281-284.

Christie, M.; Landin - Olsson, M.; Sundknist, G.; Dahlquist, G.; Lernmark, A. and Baekkeskov, S. (1988):

Antibodies to Mr.- 64,000 islet cell protein in Swedish children with newly diagnosed type I (insulin - dependent) diabetes.
Diabetologia; 31: 597-602.

Christie, M.R.; Daneman, D.; Champagne, P. and Delovitch, T.L. (1990):

Persistence of serum antibodies to 64,000- Mr. islet cell protein after onset of type 1 diabetes.
Diabetes 39 : 653 - 656.

Christy, M.; Deckert, T. and Nerup, j. (1977):

Immunity and auto immunity in diabetes mellitus.
Clin. Endocrinol. Metab.; 6 : 305.

Cohen, S.L.; Legg, S. and Bird, R. (1964):

A bed- side method of blood glucose estimation.
Lancet; II : 883 - 884

- Connolly, J.H. and Thomson, D. (1977):**
Coxsackie B2 virus infection and acute-onset diabetes in a child
Br. Med. J.; 2 : 1008.
- Cooperstein, S. J. and Watkins, D. (1981):**
The islets of langerhans.
Biochemistry; physiology and pathology. New York. Academic press.
- Cormack, D.H. (1993):**
Pancreatic islet. Pancreas. Essential histology.
Philadelphia Lippincott.
- Craighead, J.E. (1978):**
Current views on the etiology of insulin-dependent diabetes mellitus.
N. Engl. J. Med.; 299 : 1439 - 1445.
- Craighead, J.E. (1981):**
Viral diabetes in man and experimental animals.
Am. J. Med.; 70 : 127 - 134
- Cryer, P.E. (1983):**
Glucose counter regulation in man.
Diabetes 30 : 261.
- Cudworth, A.G. and Woodrow, J.C. (1976):**
Genetic susceptibility in diabetes mellitus: Analysis of the HLA
association.
Br. Med. J.; 2: 846 - 848.
- Dahlquist, G., Blom, L. and Blom, B. (1982):**
Metabolic control in 13-juvenile-onset diabetic patients as measured
by HBA1C : relation to age, duration, C-peptide, insulin dose and or
two insulin injections.
Diabetes Care, 5 : 399 - 403.
- Dahlquist, G.; Blom, L.; Persson, B., Wallensteen, M.; and wall, S.
(1988):**
The epidemiology of lost residual B-cell function in short term diabetic
children.
Acta. pediatr. Scand.; 77 : 852 - 859.

Dahlquist, G.; Gustavsson, K.H.; Holmgren, G., Hagglof, B.; Larrson, Y.; Nilsson, K.O.; Samuelsson, G.; Sterky, G.; Thalme, B. and wall, S.(1982):

The incidence of diabetes mellitus in Swedish children 0 -14 years of age. A prospective study 1977 -1980.

Acta Pediatr. Scand.; 71: 7-14.

Daneman, D.; Wolfson, D.H.; Becker, D.J. and Drash A.L. (1981) :

Factors affecting glycosylated hemoglobin values in children with insulin dependent diabetes.

J. Pediatr.; 99 : 847 - 853.

Davidson, M. B. (1985):

Diabetes mellitus : diagnosis and treatment, 2nd Ed.

New York, John Wiley and Son, : 426.

De Berardinis, P.; Londei, M.; Kahan, M.; Balsano, F.; Kontianinen, S.; Gale, E.A.; Bottazzo, G.F. and Feldmann, M. (1988):

The majority of the activated T cells in the blood of insulin - dependent diabetes mellitus (IDDM) patients are CD4.

Clin. Exp. Immunol.; 73 : 255 - 259.

Diabetes Control And Complication Trial (DCCT), (1986):

Results of feasibility study.

Diabetes cases 10 : 1-19.

Diabetes Epidemiology Research international group (1990):

Secular trends in incidence of childhood IDDM in 10 countries.

Diabetes; 39 : 858 - 864.

Drell, D.W. and Notkins, A.L. (1987):

Multiple immunological abnormalities in patients with type I (insulin - dependent) diabetes mellitus.

Diabetologia, 30 : 132 - 143.

Drury, M.I. (1986):

Oral hypoglycemic agents. In: Drury M.I. (editor).

Diabetes mellitus 2nd (ed.).

Black well Scientific publications. P. 68-79.

- Eaton, R.P.; Allen, R.C. and Schade, D.S. (1983):**
Hepatic removal of insulin in normal man : dose response to endogenous insulin secretion.
J. clin. Endocrinol. Metab : 56 : 1294 - 1300.
- Eff, C.; Faber, O.; and Deckert, T. (1978):**
Persistent insulin secretion, assessed by plasma C-peptide estimation in long - term juvenile diabetes with low insulin requirement.
Diabetologia, 15 : 169 - 172.
- Ehrlick, R.M. (1974):**
Diabetes mellitus in childhood.
Pediatr. clin. North. Am; 21 : 871.
- Eisenbarth, G.S. (1986):**
Type I diabetes mellitus : a chronic autoimmune disease.
N. Engl. J. Med. 314 : 1360 - 1368.
- Eisenbarth, G.S.; Verge, C.F., Allen, H. and Rewers, M.J. (1993):**
The design of trials for prevention of IDDM.
Diabetes; 42 : 941 - 947.
- El- Hagrassy, M.M.O.; Banatvala, J.E. and Coltart, D. J. (1980):**
Coxsackie B - virus specific IgM responses in patients with cardiac and other diseases.
Lancet; ii : 1160 - 1162.
- El - Samahy, M. and EL Khashaab, T. (1995):**
Interleukin - 2 receptor and tumor necrosis factor alpha levels in insulin dependent diabetes mellitus.
Egypt - J. Ped.; (in press).
- El - Sheikh, N.; Salem, M.; El - Rashidi, Z. and EL - Karamany, R. (1985):**
Prevalence of viral antibodies in Egyptian Juvenile diabetics.
Egypt. J. Pediatr.; z (3 - 4) : 231 - 239.
- Faber, O.K. and Binder, C. (1977):**
C- peptide response to glucagon. A test for the residual B- cell function in diabetes mellitus.
Diabetes, 26 : 605 - 610.

- Faber, O.K.; Binder, C.; Hendriksen, C.; Drejer, J.; and Heding, L.G. (1976):**
Plasma C- peptide response to glucagon as a measure of B - cell function in IDDM.
Diabetes, 25 (suppl. 1) : 329.
- Faber, O.K.; Christensen, K.; Kehlet, H.; Madsbad, S.; and Binder, C. (1981):**
Decreased insulin removal contributes to hyperinsulinemia in Obesity
J. clin. Endocrinal. Metab., 53 : 618 - 621.
- Faber, O.K.; Hagen, C.; Binder, C.; Markussen, J.; Naithani, V.K.; B4 x, B.M.; Kuzuya, H.; Horwitz, D.L.; Rubenstein, A.H. and Rossing, N. (1978):**
Kinetics of human connecting peptide in normal and diabetic subjects.
J. clin. Invest., 62 : 197 - 203.
- Felig, P. (1987):**
Endocrinology and Metabolism.
2nd ed. New York. McGraw Hill.
- Feutren, G.; Papoz, L.; Assan, R.; Vialettes, B.; Karsenty, G.; Veiau, P.; DW. Rostu, H.; Rodier, M.; Sirmay, J., and Lallemand, A. (1986):.**
Cyclosporin increases the rate and length of remissions in insulin dependent diabetes of recent onset.
Lancet, ii : 119 - 124.
- Fluckiger, R.; Woodtli, T. and Berger, W.(1987):**
Evaluation of the fructosamine test for the measurement of plasma protein glycation.
Diabetologia., 30 : 648 - 652.
- Fondacaro, JD. (1993):**
Pancreatic exocrine secretion
In : sperelakis N and Banks RO (eds). Physiology. Boston. Little brown.
- Forest, R.D.; Jackson, C.A. and Yudkin, J.S. (1987):**
The glycohemoglobin assay as a screening test for diabetes mellitus.
The insulington diabetes survey.

- Fukuda, M.; Tanaka, A.; Tahara, Y.; Ikegami, H.; Yamamoto, Y.; Kumahara, Y.; and Shima, K. (1988):**
Correlation between minimal secretory capacity of pancreatic B- cells and stability of diabetic control.
Diabetes 37 : 81 - 88.
- Gabbay, K.H.; Hasty, K.; Breslow, J.L.; Ellison, R.C.; Bunn, H.F. and Gallop, P.M. (1977):**
Glycosylated hemoglobin and long term blood glucose control in diabetes mellitus.
J. clin. Endocrinol Metab.; 44 : 859.
- Galbo, H. (1982):**
Hormonal and Metabolic Adaptation to Exercise.
Georg Thieme, New York and Stuttgart
Diabetologia; 35 : 178-182.
- Gamble, D.R. (1980a):**
An epidemiological study of childhood diabetes affecting two or more siblings.
Diabetologia; 19 : 341 - 344.
- Gamble, D.R. (1980b):**
The epidemiology of insulin dependent diabetes with particular reference to the relationship of virus injection to its etiology.
Epidemiol. Rev.; 2 : 49 - 70.
- Gamble, D.R.; Kinsley, M.L.; Fitzgerald, M.G.; Bolton, R. and Taylor, K.W. (1969):**
Viral antibodies in diabetes mellitus.
Br. Med. J.; 3 : 627 - 630.
- Gefiner, M.E.; Kaplan, S.A.; Lippe, B.M. and Scott, H.L. (1983):**
Self monitoring of blood glucose levels and intensified insulin therapy: acceptability and efficacy in childhood diabetes
JAMA 249: 2913 - 2916.
- Genuth, S. (1982):**
Classification and diagnosis of diabetes Mellitus.
Med. clin. N. Am.; 66 (6) : 1191 - 1207.

- Gepts, W. (1976):**
The endocrine pancreas. Functional morphology and histology in Luft R, Editor: Insulin, islet pathology, islet function, insulin treatment. Acta Med. Scand (suppl.), 601 : 609.
- Gepts, W. and Lecompte, P. (1981):**
The pancreatic islets in diabetes. Am. J. pediatric 70 : 105 - 114.
- Ghaly, I.M.; Mokhtar, N. and Anwar, O. (1985 a):**
Prevalence and incidence of insulin dependent diabetes mellitus among Egyptian school children. Egypt. J. Pediatr.; 2 (1 - 2): 1 - 20.
- Ghaly, I.M.; Mokhtar, N.; Kamel, M.; El-karamany, R.M. and Anwar, O. (1985 b):**
Possible role of virus infection in the causation of IDDM in Egyptian children. Egypt. J. Pediatr.; 2 (1 - 2) : 21.
- Ghaly, I.M.; Salah, N. and Anwer, O. (1990):**
Glycated hemoglobin and fructosamine as measures of glycemic control in insulin dependent diabetes mellitus. J. of Applied Endocrinology in Egypt (supplement); 8 : 63 - 73.
- Ghaly, I.M.; Salah, N.; Anwar, O.; Hafez, M.; Abd El - Dayem, S. and Talaat, A. (1992):**
Prevalence of IDDM in Egyptian children and adolescents. J. Arab child; 3 (3) : 189 - 194.
- Gjessing, H.J.; Matzen, L.E.; Faber, O.K.; and Froland, A. (1989):**
Fasting plasma C-peptide, glucagon stimulated plasma C-peptide, glucagon stimulated plasma C-peptide, and urinary C-peptide in relation to clinical type of diabetes. Diabetologia; 32: 305-311.
- Goldstein, D.E.; Parker, K.M. and England, J. D. (1982):**
Clinical applications of glycosylated hemoglobin measurements Diabetes; 31: 70-78.

- Goldstein, D.E.; Walker, B. and Rawlings, S.S. (1980):**
Hemoglobin A1 levels in children and adolescents diabetes mellitus.
Diabetes care; 3: 503-507.
- Goldstein, D.E.; Wiedmeyer, H.M.; England, J.D.; Little, R.R. and Parke, K.M. (1984):**
Recent advances in glycosylated hemoglobin measurements.
CRc Crit. Rev. Clin. Lab. Sci., 21: 187-228.
- Gorsuch, A.N.; Spencer, K.M.; Lister, J.; McNally, J.M.; Dean, B.M.; Bottazzo, G.F. and Cudworth, A.G. (1981):**
The natural history of type (Insulin dependent) diabetes mellitus:
Evidence for a long prediabetic period.
Lancet; ii: 1363-1365.
- Gorsuch, A. N.; Spencer, K.M.; Lister, J.; Wolf, E. Bottazzo G.F. and Cudworth, A.G. (1982):**
Can future type I Diabetes be predicted.
A study in families of affected children.
Diabetes, 31: 862-866.
- Graf, R.J.; Halter, J.B. and Porte, D. Jr. (1978):**
Glycosylated hemoglobin in normal subjects and subjects with maturity onset diabetes. Evidence for a saturable system in man.
Diabetes; 27: 834.
- Gray, R.S.; Duncan, L.J. P. and Clarke, B.F. (1979):**
Seasonal onset of insulin dependent diabetes in relation to sex and age.
Diabetologia; 17: 29-32.
- Green, A.; Andersen, P.P.; Svendsen, A.J. and Mortensen, K. (1992):**
Increasing incidence of early onset type I (Insulin dependent) diabetes mellitus : A study of Danish male birth cohorts.
- Green, A.; Hauge, M.; Halim, N.V. and Rasch, L.L. (1981):**
Epidemiological studies of diabetes mellitus in Denmark. II.
A prevalence study based on insulin prescriptions.
Diabetologia, 20 : 468 - 470

- Green, A.; Svejgaard, A.; Platz, P.; Ryder, L.P.; Jakobsen, B.K.; Morton, N.E. and Maclean, C.J. (1985):**
The genetic susceptibility to insulin dependent diabetes mellitus (IDDM) : combined segregation and linkage analysis.
Genet. Epidemiol.; 2 : 1 -15.
- Greenbaum, C.J. and Palmer, J.P. (1991):**
Insulin antibodies and insulin autoantibodies.
Diabetic Med.; 8 : 97 - 105.
- Greenberger, N.J. and Toskes, P.P. (1991):**
Approach to the patients with pancreatic disease. Acute and chronic pancreatitis. In : Wilson et al (eds). Harrison's principles of Internal Medicine. New York. Mc Graw - Hill.
- Halban, P.; Girardier, L.; AND Oxford, R. (1989):**
Direct measurement of absorption kinetics of subcutaneously injected insulin.
Diabetes Care, 27 (Suppl.), 439 - 449.
- Healy, JE. JR. and Hodge, J. (1990):**
Surgical anatomy. ed. z. Toronto. BC. Decker.
- Heding, L.G.; Rasmussen, S.M. (1975):**
Human C-peptide in normal and diabetic subjects.
Diabetologia, 11 : 201 - 206.
- Heinze, E.; Kohne, E.; Meissner, C.; Beischer, W.; Teller, W.M. and Kleinhauer, E. (1979):**
Hemoglobin A1c in children with long standing and newly diagnosed diabetes mellitus.
Acta paediatric Scand.; 68 : 609 - 612.
- Hinde, F.R. and Johnston, D.I. (1986):**
Two or three insulin injections in adolescence.
Arch Dis. child.; 61 : 118 - 123.
- Hoogwerf, B. and Goetz, F.C. (1983):**
Urinary C-peptide is a simple measure of integrated insulin production with emphasis on the effects of body size, diet and corticosteroids.
J. clin. Endocrinol. Metab., 56: 60 - 67.

- Hoogwerf, B.J.; Rich, S.S. and Barbosa, J.J. (1985):**
Meat stimulated C-peptide and insulin antibodies in type I diabetic subjects and their non - diabetic siblings characterized by HLA - DR antigens.
Diabetes; 34 : 440 - 445.
- Horton, E.S. (1988):**
Exercise and diabetes mellitus.
Med. Clin. N. Amer., 2 (6) : 1301 - 1321.
- Horwitz, D.L.; Rubenstein, A.H.; and Katz, A.I. (1977):**
Quantitation of human pancreatic beta cell function by immunoassay of C- peptide in urine.
Diabetes, 26 : 30 - 35.
- Horwitz, D.L.; Starr, J.I.; Maks, M.E.; Blackard, W. C. and Rubenstein, A.H. (1975):**
Pro insulin, insulin and C-peptide concentrations in human portal and peripheral blood.
J. Clin. Invest; 55 : 1278 - 1283.
- Howat, H.T. and Sarles, H. (1979):**
The exocrine pancreas.
Philadelphia, WB Saunders.
- Ivarson, S.A.; Johansson, S.; Nilsson, K.I.O. and Thorell, J.I. (1987):**
Urinary C-peptide excretion at onset of insulin dependent diabetes mellitus in children.
Acta pediatric Scand. 76 : 608 - 611.
- Jackson, R.A.; Morris, M.A. and Haynes, B.(1982):**
Increased circulating antigen bearing T- cells in type I diabetes mellitus
N. Engl. J. Med.; 306 : 785 - 788.
- Johnson, L.R. (1985):**
Gastro intestinal physiology.
3 rd ed. St. Louis C.V. Mosby.
- Johnson, L.R. (1987):**
Physiology of gastrointestinal tract.
2nd ed. New York. Raven press.

Johnston, D.G.; Alberti, K.G.M.M.; Faber, O.K.; Binder, C. and Wright, R. (1977):

Hyperinsulinism of Hepatic cirrhosis : diminished degradation or hypersecretion ?

Lancet, 1 : 10 - 12.

Joner, G. and Sqvik, O. (1981):

Incidence, age at onset and seasonal variation of diabetes mellitus in Norwegian children 1973 - 1977.

Acta Pediatr. Scand.; 70 : 329 - 335.

Jos, J.; Ivatt, R.J.; Wajcman, H. and Labie, D. (1980).

Glycosylated hemoglobin and metabolic control in Juvenile diabetes

Diabetologia; 19 : 287.

Joslin's Diabetes Mellitus (1985):

Textbook of D.M., P. 778 - 780.

Kahn, C.R. (1985):

Pathophysiology of diabetes mellitus: An over view. In : Marble, A.; Krall, L.P.; Bradley, R.F.; Christlieb, A.R. and Soeldner, J.S. (Eds.): Joslin's Diabetes Mellitus.

Lea and Febiger, Philadelphia, P. 43 - 50

Kajinuma, H.; Tanabashi, S.; Ishiwata, K.; Kuzuya, N. (1979):

Urinary excretion of C-peptide in relation to renal function. In proinsulin, Insulin, C-peptide. Baba, S., Koneko, T.; Yanahaira, N., Eds Amsterdam -Oxford, Excerpta Medica, 183 - 189.

Kamel, M., Sakr, R.; Mohy El-Din O.; Ali, M.A.; Fouad, M.; Salah, N., and Ghaly, I.M. (1983 a):

HLA cell typing in Egyptian children with IDDM.

Gaz. Egypt. Ped. Assoc.; 31(3): 29 - 34.

Kamel, M.; Sakr, R.; Mohy El-Din, O.; Ali, M.A.; Salah, N. and Ghaly, I.M. (1983 b):

Pilot study on auto antibodies in IDDM.

Gas. Egypt. Ped. Assoc.; 31 (3) : 61 - 67.

- Karam, J. (1985):**
Diabetes Mellitus, hyperglycemia and lipoprotein disorders. In: Krupp M. and Chatton M.(ed) current Medical Diagnosis and treatment Middle East Edition, Large, California, P. 741 - 763.
- Karam, J.H.; Lewitt, P.A. and Young, C.W. (1980):**
Insulinopenic diabetes after rodenticide (Vacor) ingestion : A unique model of acquired diabetes in man.
Diabetes; 29 : 971 - 980.
- Keen, H. and Ekoe, J.M. (1984):**
The geography of diabetes mellitus.
Br. Med. Bull.; 40 : 359 - 365.
- Kelly, H.A.; Russell, M.T.; Jones, T.W. and Byrne, G.C. (1994):**
Dramatic increase in incidence of insulin dependent diabetes mellitus in Western Australia.
Med. J. Austr.; 161 : 426 - 429.
- Kennedy, A.L. (1985):**
Labile glycosylated hemoglobin - is it clinically important
Diabetic Med.; 2 : 86 - 87.
- Kennedy, A.L. and Baynes, J.W. (1984):**
Non enzymatic glycosylation and the chronic complications of diabetes is an overview.
Diabetologia.; 26 : 93 - 98.
- Kennedy, A.L. and Lyons, T.J. (1989):**
Non - enzymatic glycosylation.
Br. Med. Bull. : 45 : 174 - 190.
- Klein, B. and Forman, J.A. (1980):**
New chromogenic substrate for determination of serum amylase activity.
Clin. Chem.; 26 : 250 - 253.
- Klein, R.; Klein, B.; Moss, S.E.; Davis, M.D.; and De Mets, D.L. (1988):**
Glycosylated hemoglobin predicts the incidence and progression of diabetic retinopathy.
J.A.M.A.; 260 : 2864 - 2871.

- Knip, M.; Sakkinen, A. and Huttunen, N.P.(1982):**
Positional remission in diabetic children - an analysis of 178 cases.
Acta paediatr Scand.; 71: 901-908.
- Kobayashi, T.; Itoh, T.; Kosaka, K.; Sato, K. and Tsuji, K. (1987):**
Time course of islet cell antibodies and B-cell function in non-insulin dependent stage of type I diabetes.
Diabetes; 36: 510-517.
- Kobayashi, T. and Nakanishi, K. (1987):**
Natural history of type I diabetes as slowly progressive IDDM.
J. Jpn. Diabetes Soc.; 30: 1152-1154.
- Kobberling, J. (1971):**
Studies on the genetic heterogeneity of DM.
Diabetologia; 7: 64.
- Koenig, R.J.; Peterson, C.M.; Jones, R.L.; Saudek, C. Lehrman and Cerami, A. (1976):**
Correlation of glucose regulation and hemoglobin A1C. in diabetes mellitus.
N. Engl. J. Med.; 295: 417-420.
- Kolb, H.; Danneli, K.; Zielasek, J.; Bertrams, J.; Hubinger, A and Gries, F.A. (1988):**
Prospective analysis of islet cell antibodies in children with type I (insulin - dependent) diabetes.
Diabetologia; 31: 189-194.
- Kostraba, J.N.; Gay, E.C.; Cai, Y.; Cruickshanks, K.J.; Rewers, M.J.; Klingensmith, G.J.; Chase, H.P. and Hamman, R.F. (1992):**
Incidence of insulin dependent diabetes mellitus in Colorado.
Epidemiology; 3: 232-238.
- Krolewski, A.S. and Warran, J.H. (1985):**
Epidemiology of diabetes mellitus. In: Marble, A.; Krall, L.P.; Bradley, R.F.; christlieb, A.R. and soledner, J.S. (Eds).; *Joslin's Diabetes mellitus* Lea and Febiger, Philadelphia, pp. 12-42.

- Kuhl, C.; Faber, O.K.; Horrnes, P. and Jensen, S.L. (1978):**
C-peptide metabolism and the liver.
Diabetes, 27 (suppl. 1): 197-200.
- Kuzuya, T. and Matsuda A. (1976):**
Disappearance rate of endogenous human C-peptide from blood.
Diabetologia; 12: 509-512.
- Laasko, M; Ronnemaa, T.; Sarlund, H.; Pyorala, K. and Kallio, V. (1989):**
Factors associated with fasting and postglucagon plasma c-peptide levels in middle-aged insulin treated diabetic patients.
Diabetes care; 12: 83-88.
- Laine, D.C.; Thomas, W.; and Lewitt, M.D. (1987):**
Comparison of predictive capabilities of diabetic exchange lists and glycaemic index of foods.
Diabetes care, 10: 387-394.
- La-Porte, R.E.; Fishbein, H.A.; Drash, A.L.; Kuller, L.H.; Schneider, B.B.; Orchard, T.J. and Wagener, D.K. (1981):**
The Pittsburgh insulin - dependent diabetes mellitus (IDDM) registry:
The incidence of insulin dependent diabetes mellitus in Allegheny country, Pennsylvania (1965-1976).
Diabetes; 30: 279-284.
- La-Porte, R.E.; Tajima, N.; Akerblom, H.K. Berlin, N.; Brosseau, J.; Christy, A.L.; Fishbein, H.A.; Green, A.; Hamman, R.; Harris, M.; King, H.; Loran, Z. and Neil, A. (1985):**
Geographic difference in the risk of IDDM: The importance of registry.
Diabetes care; 8 (suppl. 1): 101-107.
- Larsen, M.L.; Horder, M.; and Mogensen, E.F. (1990):**
Effect of long term monitoring of glycosylated hemoglobin levels in insulin-dependent diabetes mellitus.
N. Engl. J. Med. 323: 1021-1025,.
- Lebinger, T. (1983):**
Bilateral cataract as the initial sign of IDDM in a child.
Am. J. Dis. Child. Vol. 137, June: P. 602-603.

- Lebovitz, H.E. (1984):**
 Etiology and Pathogenesis of diabetes mellitus.
 The pediatric clinics of North America; 31 (3): 521-543.
- Lendrum, R.; Walker, G.; Cudworth, A.G.; Theophanides, C.; Pyke, D.A.; Bloom, A. and Gamble, D.R. (1976):**
 Islet cell antibodies in diabetes mellitus.
 Lancet, ii : 1273-1276.
- Lendrum, R.; Walker, G.J. and Gamble, D.R. (1975):**
 Islet cell antibodies in juvenile diabetes mellitus of recent onset.
 Lancet; i: 880-883.
- Lernmark, A.; Freedman, Z.; Hofmann, C.; Rubenstein, A.H.; Steiner, D.F.; Jackson, R.L.; Winter, R.J. and Trainsman, H.S. (1978):**
 Islet cell Surface antibodies in juvenile diabetes mellitus.
 N. Engl. J. Med.; 299: 375-380.
- Lernmark, A.; Kanastsuma, T.; Patzelt, C.; Diakoumis, K.; Karroll, R.; Rubenstein, A.H. and Steiner, D.F. (1980):**
 Antibodies directed against the pancreatic islet cell plasma membrane: detection and specificity.
 Diabetologia; 19: 445-451.
- Leslie, R.D.G.; Lazarus, N.R. and Vergani, D. (1989):**
 Aetiology of insulin dependent diabetes.
 Br. Med. Bull.; 45 (1): 58-72.
- Leslie, R.D.G. and Pyke, D.A. (1986):**
 The genetics of diabetes. In: Alberti, K.G.M.M. and Krall, L.P. (Eds).
 The diabetes Annual, vol. 3.
 Amsterdam, Elsevier, PP. 39-54.
- Lo, S.S.S.; Tun, R.Y.M.; Hawa, H. and Leslie, R.D.G. (1991a):**
 Studies of diabetes twins.
 Diab, Metab. Rev.; 7: 223-238.
- Lo, S.S.S.; Tun, R.Y.M. and Leslie, R.D.G. (1991 b):**
 Non genetic factors causing type I diabetes.
 Diabetic Med.; 8: 609-618.

Ludvigsson, J. (1984):

Insulin antibodies in diabetic children treated with monocomponent porcine insulin from the onset in relationship to B-cell function and partial remission.

Diabetologia; 26: 138-141.

Ludvigsson, J. and Afoke, A.O. (1989):

Seasonality of type I (IDDM): Value of C-Peptide, insulin antibodies and haemoglobin A1c show evidence of a more rapid loss of insulin secretion in epidemic patients.

Diabetologia; 32: 84-91.

Ludvigsson, J. and Heding L.G. (1975):

C- peptide in children with juvenile diabetes.

A-preliminary report.

Diabetologia; 12: 627.

Ludvigsson, J. and Heding, L.G. (1976):

C-peptide in children with juvenile diabetes.

Diabetologia; 12: 627-630.

Ludvigsson, J. and Heding, L.G. (1978):

Beta cell function in children with diabetes.

Diabetologia 27; (suppl 1): 230-234.

Ludvigsson, J. and Lindblom, B. (1984):

Human lymphocyte antigen DR type in relation to early clinical manifestations in diabetic children.

Paediatr. Res.; 18: 1239-1241.

Ludvigsson, J.; Safwenberg, J. and Heading, L.G. (1977):

HLA types. C-peptide and insulin antibodies in juvenile diabetes.

Diabetologia; 13: 13-17.

Luttermann, J.A.; Benraad, T.J. and Laar. A. (1981):

The relationship between residual insulin secretion and metabolic stability in type I (IDDM).

Diabetologia.; 21: 99-102.

Madsbad, S.; Faber, O.K.; Binder, C.; McNair, P.; Christiansen, C. and Transbol, I. (1978):

Prevalence of residual beta cell function in insulin dependent diabetics in relation to age at onset and duration of diabetes.
Diabetes; 27, suppl. I: 262-264.

Madsbad, S.; Kehlet, H.; Hilsted, J. and Troner, B. (1983):

Discrepancy between plasma C-peptide and insulin response to oral and intravenous glucose.
Diabetes; 32: 436-438.

Madsbad, S.; Krarup, T.; Regeur, L.; Faber, O.K. and Binder, C. (1980):

Insulin secretory reserve in insulin dependent patients at time of diagnosis and the first 180 days of insulin treatment.
Acta Endocrinologica; 95: 359-363.

Mann, N.P.; Noronha, J.L. and Johnston, D.I. (1984):

A prospective study to evaluate the benefits of long term self monitoring of blood glucose in diabetic children.
Diabetes care; 7: 322-326.

Marner, B.; Agner, T.; Binder, C. Lernmark, A.; Nerup, J.; Mandrup-Poulsen, T. and Wallderf, S. (1985):

Increased reduction fasting c-peptide is associated with islet cell antibodies in type I (Insulin dependent) diabetic patients.
Diabetologia; 28: 875-880.

Marzouk, L. (1995):

Study of some immunological aspects in patients with insulin dependent diabetes mellitus.
M.D. thesis (Pediatrics), Faculty of Medicine, Ain Shams University.

McCall, A.L. and Mullin, C.J. (1987):

Home blood glucose monitoring: keys tone for modern diabetes care.
Med. clin. North Am, 71: 763-787.

Mc Cance, D.R.; Hadden, D.R.; Atkinson, A.B. and Archer, D.B. (1989):

Long-term glycemic control and diabetic retinopathy.
Lancet; 7: 824-825.

- Meistas, M. T. Zadik, Z.; Margolis, S. and Kowarski, A.A.; (1981):**
Correlation of urinary excretion of C-peptide with the integrated concentration and secretion rate of insulin.
Diabetes; 30: 639-643.
- Menchini, M.; Meschi, F.; Lanbiase, R.; Puzzovio, M., DclGuercio, M.J. and Chriemello, G. (1980):**
C-peptide response to argenine stimulation in diabetic children.
The J of pediatrics, 69: 262-366.
- Menon, R.K. and Sperling, M.A. (1988):**
Childhood diabetes.
Med. Clin. of North America, 72: 1565-1576.
- Menser, M.A.; Forrest, J.M. and Bransby, R.D. (1978):**
Rubella infection and diabetes mellitus.
Lancet; i: 57-60.
- Michelson, B. and Lernmark, A. (1987):**
Molecular Cloning of a polymorphic DNA endonuclease fragment associates insulin - dependent diabetes with HLA-DQ.
J. clin. Invest.; 75: 1144-1152.
- Molnar, G.D. (1987):**
Clinical evaluation of metabolic control in diabetes.
Diabetes; 27 (1): 216-259.
- Moore, K.L. (1988):**
The developing human.
Clinically oriented Empryology. ed. 4.
Philadelphia, W.B. Saunders.
- Mosca, A.; Crenini, A.; Zoppi, F.; Carpinelli, A.; Banfi, G.; Ceriotti, F.; Bonini, P. and Poza, G. (1987):**
Plasma protein glycation as measured by fructosamine assay.
Clin. chem.; 33: 1141-1146.

Nakanishi, K.; Kobayashi, T.; Miyashita, H.; Ohkubo, M.; Sugimoto, T.; Murase, T. and Kosaka, K. (1990):

Relationships among islet cell antibodies, residual B-cell function and metabolic control in patients with insulin dependent diabetes mellitus of long duration. Use of sensitive c-peptide radioimmunoassay. *Metabolism*; 39, No 9 (September), 925-930.

Nakanishi, K.; Kobayashi, T.; Sugimoto, T.; et al., (1988):

Inverse relationship between residual beta-cells and exocrine pancreas in insulin - dependent diabetics. *Diabetes Res. clin. practice* 5: 553 (supple 1).

Nathan, D.M.; Singer, D.E.; Hurxthal, K.; and Goodson, J. D. (1984);

The clinical information value of the glycosylated haemoglobin assay. *N. Engl. J. Med.*; 310: 34-1-6.

National Diabetes Data Group (1979):

Classification and diagnosis of diabetes mellitus and other categories of glucose intolerance. *Diabetes*; 28: 1039-1057.

Neel, J.V. (1976):

Diabetes mellitus: A geneticist's night mare. In: *The genetics of diabetes mellitus*. Creutrfeldt, W.; Kobberling, J. and Neel, J.V. (Eds). Berlin, Springer-verlog, P. 1-11.

Nuttall, F.Q.; Mooradian, A.D.; and Demarais, R. (1988):

The glycemic effect of different meals approximately isocaloric and similar in protein, carbohydrate, and fat contents, as calculated using the ADA exchange lists. *Diabetes Care*; 11: 432-435.

Ohkubo, M.; Kobayashi, T. and Nakanishi, K. (1988):

Risk factors for progression of diabetic retinopathy in patients with IDDM. *Ann. Japan. Soc. Res. Diabetes complications* 1: 190-196.

- Olfesky, J. (1981):**
Mechanism of insulin resistance in obesity and non insulin dependant (type II).
Am. J. Med.; 70: 151.
- Olfesky, J.M. (1985);**
Diabetes mellitus. In: Wyngaarden, J.B.; and Smith L.H. Jr. (Eds.):
Cecil's textbook of medicine 174 Ed. The W.B. Saunders Co.;
Philadelphia, P. 1320-1341.
- Onodera, T.; Jensen, A.B.; Yoon, J.W. and Notkins, A.L. (1978):**
Virus induced diabetes mellitus reovirus infection of pancreatic B-cells
in mice.
Science; 201: 529-531.
- Orci, L. and Perselt, A. (1981):**
The morphology of the A- cell. In: Unger RH, Orci L. (eds.).
Glucagon physiology, pathophysiology and morphology of the
pancreatic A- cells New York Elsevier North Holland.
- Orci, L.; Vassalli, J.D. and Perrelet, A. (1988):**
The insulin factory.
Sci Am. 256 (9):85.
- Palmer. J.P.; Asplin, C.M.; Clemons, P.; Lyen, K.; Tatpati, O.; Raghu,
P.K.; Paquette, T.L. (1983):**
Insulin antibodies in insulin dependent diabetics before insulin
treatment.
Science 222: 1337-1339.
- Panzer, S.; Kronik, G. and Lechner, K. (1982):**
Glycosylated hemoglobin (GHb): an index of red cell survival.
Blood; 59: 1348-1350.
- Parker, R.L.; Pildes, R.S.; Chao, K.L.; Cornblath, M. and Kipinis, D.M.
(1968):**
Juvenile diabetes mellitus, a deficiency in insulin.
Diabetes; 17 : 27.

Patterson, C.C.; Thorogood, M.; smith, P.G.; Heasman, M.A., Clarke, J.A. and Mann, J.I. (1983):

Epidemiology of type I (insulin dependent) diabetes in Scotland 1968 - 1976 : Evidence of an increasing incidence.

Diabetologia., 24 : 238 - 243.

Patterson, K.; Chandra, R.S. and Jenson, A.B. (1981):

Congenital rubella, insulinitis and diabetes mellitus in an infant.

Lancet; i : 1048 - 1049.

Peakman, M.; Hussain, M.J.; Millward, B.A.; Leslie, R.D.G. and Vergani, D. (1990):

Effect of initiation of insulin therapy on T - lymphocyte activation in type I (insulin - dependent) diabetes.

Diabetic Med.; 7 : 327 - 330.

Peakman, M.; Leslie, R.D.G. and Vergani, D. (1993):

Immunological studies on type 1 diabetes in identical twins.

Arch. Dis. child.; 69: 97 - 99.

Peakman, M. and Vergani, D. (1992):

Cell mediated immunity and type I diabetes.

Diabetes Reviews; 1 : 5 - 8.

Pecoraro, R.E.; Chen, M.S. and Porte, D. (1982):

Glycosylated hemoglobin and fasting plasma glucose in the assessment of outpatient glycemic control in NIDDM.

Diabetes Care.; 5 : 592 - 599.

Peig, M.; Gomis, R.; Ercilla, G.; Casamitjana, R.; Bottazzo, G.F. and Pujol - Borrell, R. (1989):

Correlation between residual B - cell function and islet cell antibodies in newly diagnosed type I diabetes.

Diabetes, 38 : 1396 - 1401.

Peterson, C.M.; Jovanovic, L.; Raskin, P. and Goldstein, D.E. (1984):

Comparative evaluation of glycosylated hemoglobin assay:

Feasibility of references and standards.

Diabetologia; 20 : 214 - 217.

Pictet, R. and Ruter, W.J. (1972):

Development of the embryonic pancreas. In : Steiner DF, Freinkel N. (eds). The endocrine pancreas. Baltimore. Williams & Wilkins 25 (Hand book of physiology. Vol. 1).

Pirat, J:

Diabetes mellitus and its degenerative complications.

A prospective study of 4400 patients observed between 1947 and 1973.

Diabetes care, 1 : 252 - 263, 1978

Platz, P.; Jakobsen, B.K.; Morling, N.; Ryden, L.P.; Svejgaard, A.; Christy, M.; Kromonn, H.; Benn, J.; Nerup, J.; Green, A. and Hauge, M. (1981):

HLA - D and DR antigens in genetic analysis of insulin - dependent diabetes mellitus.

Diabetologia; 21 : 108 - 115.

Polonsky, K.S.; Frank, B; Pugh, W.; Addis, A.; Karrison, T.; Meier, P.; Tager, H. and Rubenstein, A. (1986):

The limitations to and valid use of C- peptide as a marker of the secretion of insulin.

Diabetes 35 : 379 - 386.

Polonsky, K.S. and Rubenstein, A.H. (1984):

C- peptide as a measure of the secretion and hepatic extraction of insulin.

Diabetes 33 : 486 - 494.

Porte, D. and Bagdade, J. (1970):

Human insulin secretion: an integrated approach.

Ann. Rev. Med. 21 : 219 - 240.

Rayfield, E.J. and Seto, Y.; (1978):

Viruses and the pathogenesis of diabetes mellitus.

Diabetes; 27 : 1126 - 1142.

Rayfield, E.J.; Seto, Y.; Goldberg, S.L.; Schulman, R.H. and walker, G.F. (1979):

Venezualan encephalitis virus induced alterations in diabetes;
2 : 799 - 803.

Rennie, J.D.B.; Kee, H. and South, A. (1964):

A rapid enzyme strip method for estimating blood sugar
Lancet; II : 884 - 886.

Reunanen, A.; Akerblom, H.K. and Kaar, M.L. (1982):

Prevalence and ten years (1970 - 1979) incidence of insulin dependent diabetes mellitus in children and adolescents in Finland.
Acta Pediatr. Scand.; 71 : 893 - 899.

Rimoin, D.L. (1971):

Etiology and pathogenesis of diabetes mellitus.
Med. Clin. N. Am.; 55 : 807.

Rizza, R.A.; and Baker, J.R. (1985):

Symposium on blood glucose self - monitoring.
Diabetes Care, 4 : 392 - 424.

Robbins, D.; Tager, H. and Rubenstein, A. (1984):

Biologic and clinical importance of pro insulin.
N. Engl. J. Med. 310 : 1165.

Rodger, S.; Faber, O.K. and Binder, C. (1985):

Preserved beta - cell function and blood glucose control in insulin dependent diabetes mellitus.
Abstract for annual meetings program, American Diabetes Association.

Rosalyn Yalow and W.A. Bauman, (1983):

"Plasma insulin in health and disease" Diabetes Mellitus; theory and practice, M. Ellenberg and H. Rifkin, edd (New York : Excerpta Medica,) 119 - 50.

Rosenbloom, A. (1984):

Primary and subspeciality Care of Diabetes Mellitus in children and youth.
Ped. Clinics of North America, Vol. 31, No. 1, Feb., P.107.

- Rosenbloom, A.; Kohrman, A. and Sperling, M.A. (1982):**
Classification and diagnosis of diabetes mellitus in children and adolescents
Pediatrics; 99 : 320 - 323.
- Rossel, R.; Yamis, R.; Casamitjanas, R.; Segura, R.; Vilardell, E. and Rivera, F. (1983):**
Reduced hepatic insulin extraction in obesity; relationship with plasma insulin levels
Diabetologia; 16 : 56 - 60.
- Rossini, A.A.; Mordes, J.P. and Handler, E.S. (1988):**
Speculations on etiology of diabetes mellitus : tumbler hypothesis.
Diabetologia; 31 : 257 - 261.
- Rossini, A.D.; Greiner, D.L.; Friedman, H.P. and Mordes, J.P. (1993):**
Immunopathogenesis of diabetes mellitus.
Diabetes metabolism. Rev.; 1 : 43 - 75.
- Rubenstein, A.H.; Clark, J.L.; Melani, F. and Steiner, D.F. (1969):**
Secretion of proinsulin C-peptide by pancreatic B-cells and its circulation in blood.
Nature (Lond); 224 : 697 - 699.
- Rubenstein, A.H.; Mako, M.E. and Horwitz, D.L. (1975):**
Insulin and the kidney, *Nephron*; 25 : 306 - 326.
- Rubinstein, P. walker, M.E.; Fedun, N.; Witt, M.E.; Cooper, L.Z. and Ginsberg- Fellner, F. (1982):**
HLA system in congenital rubella patients with and without diabetes.
Diabetes; 31 : 1088 - 1091.
- Ruwaard, D.; Hirasing, R.A.; Reeser, H.M.; Van Buuren, S.; Bakker, K.; Heine, R.J.; Geerdink, R.A.; Bruining, G.J.; Vaandrager, G.J. and Verloove-Vanhorick, S.P. (1994):**
Increasing incidence of type I diabetes in Netherlands.
Diabetes care; 17 (6) : 599 - 601.
- Sacks, J.A.; Cudworth, A.G.; Jaraquemada, D.; Gorsuch, A.N. and Festenstein, H. (1980):**
Type 1 diabetes and the HLA - D locus.
Diabetologia; 18 : 41 - 43

- Sakr, R.; Zaghlul, I.; Ghaly, I.M.; Kamel, M. and Anwar, O. (1983):**
Viral antibodies in Juvenile onset insulin dependent diabetes mellitus.
Gaz. Egypt. Ped. Assoc.; 31 (3) : 19 - 27.
- Sakurami, T.; Lleno, Y.; Nagaoka, K.; Kuno, S.; Iwaki, Y.; Park, M.S. and Terasaki, P.I. (1982):**
HLA - DR specifications in Japanese with Juvenile onset insulin dependent diabetes mellitus.
Diabetes; 31 : 105 - 106.
- Saleh, O.N. (1981):**
Prevalence of Juvenile diabetes mellitus among Egyptian school children.
M.Sc. Thesis (pediatrics), Faculty of medicine.
Ain Shams university.
- ✓ **Salem, M.; El. Sheikh, N.; El - Kholy, S. and Iskander, N. (1987):**
Islet cell antibodies in IDDM.
J. Egypt. public Health Assoc.; 62 (1-2) : 65-76.
- Salem, M.; Tulba, K., Faris, R.; Radwan, M.; Abdel Aziz, H.F.; Malah, E and Assad, M. (1990):**
An epidemiological study of insulin dependent diabetes mellitus (IDDM) in Egyptian (East Cairo), School age pupils and students.
Egypt. J. Community Med.; 6 (1) : 183: 193.
- Salomon, D. and Meda. (1986):**
Heterogeneity and contact dependent regulation of hormone secretion by individual B-cells.
Exp. Cell Res. 162: 507.
- Samols, E.; Bonner- Weir, S. and Weir, G.C. (1986):**
Intra-islet insulin, glucagon, somatostatin relationships.
Clin- Endocrinol Metab. 15: 33.
- Schiffrin, A., and Belmonte M. (1982):**
Comparison between continuous subcutaneous insulin infusion and multiple injections of insulin, A one- year prospective study.
Diabetes, 31: 225-264.

- Schiffrin, A.; Desrosiers, M.; Moffatt, M. and Belmonte, M.M. (1983):**
Feasibility of strict diabetes Control in insulin- dependent diabetic adolescents.
J. Pediatr, 103 : 522-527.
- Schiffrin, A.; Suissa, S.; Poussier, P.; Guttman, R. and Weitzner, G. (1988):**
Prospective study of predictors of B- cell survival in type I diabetes.
Diabetes; 37: 920-925.
- Schleicher, E.D.; Gerbitz, K.D. and Dolhofer, R. (1984):**
Clinical utility of non enzymatically glycosylated blood protein as an index of glucoes control.
Diabetes Care.; 1: 548-556.
- Schmitt, G.F. (1985):**
Diabetes for Diabetics: A practical Guide.
Miami, Diabetes press of America, P. 120-122.
- Schneider, S.H.; Amoroso L.F. and Khachadurian, A.K. (1984):**
Studies on mechanisms of improved glucose control during regular exercise in type I diabetes mellitus:
Diabetologia, 26: 355-360.
- Scobie, I. (1984):**
Methods of achieving better diabetic control. In: Natrass M. and Santiago j. (eds), Recent Advances of Diabetes 1, Churchill livingstone.
N.Y., 107-123.
- Sernka & Jacobson. (1983):**
Gastrointestinal physiology
The Essentials, 2nd ed. Baltimore: Williams and Wilkins
- Service, F.J. and Nelson, R.L. (1980):**
Characteristics of glycemic stability.
Diabetes Care; 3: 58-62.
- Service, F.J.; O'Brien, P.G. and Rizza R.A. (1987):**
Measurement of glucose control.
Diabetes Care; 10: 225-237.

Shah, S.C; Malone, J.I. and Simpson, N.E. (1989):

A randomized trial of intensive insulin therapy in newly diagnosed IDDM.

N. Engl. j. Med., 320: 550-554.

Shaker, R.; Zaghlul, I.; Ghaly, I.M.; Kamel, M. and Anwer, O. (1984):

Role of virus in the causation of diabetes mellitus in Egyptian children.

Gaz. Egypt. Pediatric. Assoc.; 131: 20.

Sherwin, R.S .; Kramer, K.J.; Tobin, J.D.; Insel, P.A.; Liljenquist, J.E.; Berman, M. and Andres, R. (1974):

A model of the kinetics of insulin in man.

J.Clin. Invest. 53: 1481-1492.

Shima, K.; Tanaka, R. and Morishita, S. (1977):

Studies on the etiology of brittle diabetes: Relationship between diabetic instability and insulinogenic reserve.

Diabetes. 26: 717-725.

Siemiatycki, J.; Colle, E.; Campbell, S.; Dewar, R.; Aubert, D. and Belmonte, M.M. (1988):

Incidence of IDDM in Montreal by ethnic group and by social class and comparisons with ethnic groups living elsewhere.

Diabetes; 37 : 1096 - 1102.

Siperstein, M.D.; Foster, D.W.; and Knowles, H.C. (1985):

Control of blood glucose and diabetic vascular disease.

N. Engl. J. Med., 3 : 296 - 306.

Sochett, E.B.; Daneman, D.; Clarson, C. and Ehrlich, R.M. (1987):

Factors affecting and patterns of residual insulin secretion during the first year of type I (IDDM) in children.

Diabetologia; 30 : 453 - 459.

Sonksen, P. (1984):

Methods of achieving better diabetic control.

In : Nattrass M. and Santiago J. (eds) Recent Advances of Diabetes.

I. Churchill Livingstone, N.Y., P. 107.

Sonksen, P.H.; Tompkins, C.V.; Srivastava, M.C. and Nabarro, J.D.N. (1973):

A comparative study on the metabolism of human insulin and porcine proinsulin in man.

Clin. Sci. Mol. Med. 45 : 633 - 654.

Sperling, M.A. (1980):

Insulin biosynthesis and C-peptide

Am J. Dis children; 134 : 1119.

Sperling, M.A. (1983)

Metabolic disorders. In: Nelson, W.E.; Behrman, R.E. and vaughan, V.C. (Eds.) : Nelson textbook of pediatrics W.B. Saunders Co., Philadelphia, London, Toronto, Mexico city, Rio de Janeiro, Sydney and Tokyo, PP. 1403 - 1431.

Srikanta, S.; Ganda, O.P.; Eisenbarth, G.S. and Soeldner, J.S. (1983):

Islet cell antibodies and beta cell function in monozygotic triplets and twins initially discordant for type I diabetes mellitus.

N. Engl. J. Med.; 308 : 322 - 325.

Srikanta, S.; Ganda, O.P.; Soeldner, J.S. and Eisenbarth, G.S. (1985):

First degree relative of patients with type 1 diabetes..

Islet cell antibodies and abnormal insulin secretion

N. Enel. J. Med., 313 : 461 - 463.

Srikanta, S.; Ricker, A.T.; Mcculloch, D.K.; Soeldnev, J.S.; Eisenbarth, G.S. and Palmer, J.P. (1986):

Auto immunity to insulin, beta cell dysfunction, and development of insulin dependent diabetes mellitus.

Diabetes; 35 : 139 - 142.

Sterky, G.; Holmgren, G.; Gustavson, K.H.; Larsson, Y.; Lundmark, K.M.; Nilsson, K.O.; Samuelson, G.; Thalme, B. and wall, S. (1978):

The incidence of diabetes mellitus in Swedish children, 1970 - 1975.

Acta- pediatri. Scand.; 67 : 139 - 143.

Stevens, A. and Love, J.S. (1992):

Pancreas. Histology London : Gower.

- Stickland, M.H.; Paton, R.C. and Wales, J. (1984):**
Hemoglobin A1C concentration in men and women with diabetes.
Br. Med. J.; 289 : 733.
- Stiller, C.R.; Dupre, J.; Gent, M.; Genner, M.R.; Keown, P.A.; Laupacis, A.; Martell, R.; Rodger, N.W.; Von Graffenried, B. and Wolfe, B.M. (1984):**
Effects of cyclosporins immunosuppression in IDDM of recent onset
Science, 223 : 1362 - 1367.
- Suarez, L. and Barret - Conner, E. (1982):**
Seasonal variation in fasting plasma glucose levels in man.
Diabetologia, 22 : 250 - 253.
- Sushruta, S.C. (1983):**
V.j. T. Achana. Bombay, Nirngar Sagar press. India.
- Svendsen, P.A.; Christiansen, J.S.; Sogaard, V.; Welinder, B.S. and Nerup, J. (1980):**
Rapid changes in chromatographically determined hemoglobin A1C included by short - term changes glucose concentration.
Diabetologia; 19 : 130 - 136.
- Svendsen, P.A.; Lauritzen, T.; Sogaard, U. and Nerup, J. (1982):**
Glycosylated hemoglobin and steady state mean blood glucose concentration in type I (IDDM).
Diabetologia; 23 : 403 - 405.
- Tarn, A.; Smith, C.P.; Spencer, K.M. and Bottazzo, G.F. (1987):**
Type I (IDDM) : a disease of slow clinical onset.
Br. Med. j. 294 : 342 - 345.
- Tarn, A.C., Thomas, J.M.; Dean, B.M.; Ingram, D.; Schwarz, G.; Bottazzo, G.F. and Gale, E.A.M. (1988):**
Predicting insulin dependent diabetes.
Lancet., i: 845 - 850.
- Tarvis, L.B.; Bronhard, B.H. and Schreiner, B.J. (1987):**
Diabetes mellitus in children and adolescents.
1 st ed. Philadelphia W.B. Sannders P. 49, 93.

- Tchabroutsky, G. (1987):**
Relation of diabetic control to development of microangiopathy complications.
Diabetologia; 15 : 143 - 189.
- Titlbach, M.; Falt, K. and Falkner, S. (1985):**
Potential maturation of the islet of langerhans in sheep light microscopic immunohistochemical, morphometric and ultra structural investigations with particular refrence to the transient appearance of the argyrophil insulin immunoreactive cells.
Diabetes Res. 2 : 5.
- Todd, J.A.; Bell, J. I. and Mc Devitt, H.O. (1987):**
HLA - DQ beta gene contributes to susceptibility and resistance to insulin - dependent diabetes mellitus.
Nature; 329 : 599 - 604.
- Trivill, L.A.; Ranney, H.M. and Dai, H.T. (1971):**
Hemoglobin components in patients with diabetes mellitus.
N. Engl. J. Med. 284 : 353.
- Tuomilehto, J., Rewers, M.; Reunanen, A.; Lounamaa, P.; Lounamaa, R.; Tuomilehto - Wolf, E. and Akerblom, H.K. (1991):**
Increasing trend in type (insulin dependent) diabetes mellitus in childhood in Finland.
Diabetologia; 34 : 282 - 287.
- Turkington, RW.; Estkowski, A. and Link, M. (1982):**
Secretion of insulin or connecting peptide, a predictor of insulin dependance of obese diabetics.
Arch Intern. Med. 142: 1102-1105.
- Verge, C.F.; Silink, M. and Howard, N.J. (1994):**
The incidence of childhood IDDM in new south wales, Australia.
Diabetes Care, 17 (7) : 693 - 696.

Vetter, U.; Heinze, E.; Beisher, W.; Kohne, E.; Kleinhauer, E. and Teller, W.M. (1980):

Hemoglobin A1C: A predictor for the duration of the remission phase in Juvenile- insulin - dependent diabetic patients.
Acta pediatric Scand; 69 : 481 - 483.

Wolford, S.; Page, M.M. and Allison, S.P. (1980):

The influence for renal threshold on the interpretation of urine tests for glucose in metabolic patients.
Diabetes care; 3 : 672 - 674 .

West, K.M. (1975):

Substantial differences in the diagnostic criteria used by diabetes experts.
Diabetes; 24 : 641 - 644.

West, R.; Belmonte, M.M.; Colle, E.; Crepeau, M.P.; Wilkins, J. and Poirier, R. (1979):

Epidemiologic survey of Juvenile onset diabetes in Montreal.
Diabetes, 28 : 690-693.

WHO technical Report Series, No. 646 (1980):

Who Expert committee on Diabetes Mellitus : second Report, Geneva.

WHO Technical Report Series, No. 727 (1985):

Diabetes mellitus : (Report of a WHO study Group), Geneva.

Wilkin, T.; Hoskins, P.J.; Armitage, M.; Rodier, M.; Casey, C.; Diaz, J.L.; Pyke, D.A. and Leslie, R.D.G. (1985):

Value of insulin autoantibodies as serum markers for insulin - dependent diabetes mellitus.
Lancet : 480 - 482.

Williams P.L.; Warwick, R.; Dyson, M. and Bannister, L.H. (1989):

Gray's Anatomy, ed. 37. New York, Churchill Livingstone.

Witt, M.F.; White, N.H.; and Santiago, J.Y. (1989):

Role of sites and timing of the morning injection in type I diabetes.
J.Ped., 103 : 528 - 532.

Wood Burne, R. T. and Byrkel, W.E. (1988):

Essential of human anatomy, ed. 8. New York, Oxford University press.

Worth, R.; Home, R.D. and Johnston, D.G. (1982):

Intensive attention improves glycemic control in insulin dependent diabetes without further advantage from home blood glucose monitoring results of a controlled trial.

Br. Med. J.; 285 : 1233 - 1240.

Yki - Jaryinen, H. and Koivisto, V.A. (1984):

Insulin sensitivity in newly diagnosed type I diabetes after ketoacidosis and three months of insulin therapy.

J. clin. Endocrinol Metab.; 59 : 371 - 378.

Yoon, J.W.; Onodera, T. and Notkins. A.L. (1978):

Virus induced diabetes mellitus : xv beta cell damage and insulin dependent hyperglycemia in mice infected with coxsackie virus B4.

J. Exp. Med.; 148 : 1068 - 1080.

Young, D.S.; Pestaner, LC. and Gibberman, V. (1975):

Effects of drugs on clinical lab. test, new method for determination of lipas enzyme.

Clin. chem. 21 (5): ID.

Zavaroni I., Deferrari, G.; Lugari, R.; Bonora, E.; Garibotto G.; Dall' Aglio, E.; Robaudo C. and Gundi A. (1987):

Renal metabolism of C-peptide in man.

J.Clin. Endocrinol. Metab., 65 : 494 - 498.

Zimet, G. and thompson, RJ. Jr.(1989):

Age, gender and metabolic control in children and adolescent, with diabetes.

Am. J. Dis. child.; 143 : 1134 - 1135.