

Abe Y, EL-Masri B, Kimball KT, Pownall H, Reilly CF , Osmundsen K, Smith Cw , Ballantyne CM. (1998) :

Soluble cell adhesion molecules in hypotriglyceridemia and potential significance on monocyte adhesion .

Arterioscler Thromb Vasc Biol , 18 (5) : 723-31 .

Adams DH, Burra P, Elias E and Newman W. (1994) :

Endothelial activation and circulatory VCAM-1 in alcoholic liver disease .

Hepatology ,19:588-94.

Alberti KG and Zimmet PZ . (1998) :

Definition , diagnosis and classification of diabetes and its complications .

Diabetes Medicine , 15: 539-53 .

Albertini JP, Valensi P, Lormeau B, Aurousseau MH and Ferriere F. (1998):

Elevated concentrations of soluble E-selectin and vascular cell adhesion molecule -1 in NIDDM .

Diabetes Care , 21 : 1008 -13 .

Allain CC, Poon LS, Chan CS, Richmond W and Fu Pc . (1974) :

Enzymatic determination of total cholesterol .

Clin Chem , 20 : 470-5 .

Anderson DC, Schmalstig FC and Finegold MJ. (1995) :

The severe and moderate phenotype of inheritable Mac-1, LFA-1 deficiency :
Their quantitative definition and relation to leukocyte dysfunction and clinical features .

J Infect Dis , 152 : 668-89.

Antoniades C, Tousoulis D, Tountas C, Tentolouris, Toutouza M, Vasilliadou C, Tsioufis C, Toutouzas P and Stefanadis C. (2004):

Vascular endothelium and inflammatory process, in patients with combined type 2 diabetes mellitus and coronary atherosclerosis : the effects of vitamin C
Diabetic Medicine, 21 (6) : 552 .

Arnon MK, Donald R, and Danial NS . (1991) :

Cell adhesion molecules structure , function and implication in a variety of cutaneous and other pathologic conditions .

Int J Dermatol , 30 (3) : 153 - 160 .

Attman P-O, Nyberg G and William Olsson T. (1992) :

Dyslipoproteinemia in diabetic renal failure .

Kidney Int , 42 : 1381 -98.

Ayo SH, Radnik RA and Glass WF. (1991) :

Increased extracellular matrix synthesis and mRNA on mesangial cells grown in high glucose medium .

Am J physiol , 260: F185-91.

Bachorik PS, Levy RL and Rifikind BM. (1991) :

Lipids and dyslipoproteinemia .

Clinical diagnosis and management by laboratory methods . 18th ed , Vol. I.
Philadelphia , London , Toronto , Montreal , Sydney , Tokyo : WB Saunders Company , 197-203 .

Bannan S, Mansifield MW and Grand J. (1998) :

sVCAM-1 and E-selectin levels in relation to vascular risk factors and to E-selectin genotype .

Diabetologia , 41 : 460-6 .

Barham D and Trinder P . (1972) :

An improved colour reagent for the determination of blood glucose by oxidase test. Analyst ,97: 142-145.

Bevilacqua MP and Nelson RM. (1993) :

Selectins.

J Clin Invest ,91: 379-89.

Blüher M,Unger R ,Richter V,Rassoul F, and Paschke R. (2002) :

Relation between glycaemic control, hyperinsulinaemia and plasma concentrations of soluble adhesion molecules in patients with impaired glucose tolerance or type 2 diabetes.

Diabetologia ,45 : 210-216.

Bohle A, Wehrmann M, Bogenschüt Z, Batz C and Müller CA . (1991) :

The pathogenesis of chronic renal failure in diabetic nephropathy: investigation of 488 cases of diabetic glomerulosclerosis .

Path Res Pract , 187 : 251-9.

Brocco E, Fiorretto P, Mauer M, Saller A, Carraro A, Frigato F and Chiesura-Corona M. (1997) :

Renal structure and function in non-insulin dependent diabetic patients with microalbuminuria.

Kidney Int ,52 : 540-4

Brock MC, Ulbercht M and Schendel D.(1993) :

Distribution of cell adhesion molecules ICAM-1, VCAM-1, ELAM-1 in renal tissue during allograft rejection.

Transplantation , 55:610-5.

Brown JB , Stevenson JC and Khan SE . (1998) :

The Diabetes Control and Complications Trial Research Group : The effect of intensive treatment of diabetes on the development and progression of diabetes, on the development and progression of long - term complications in insulin dependent diabetes mellitus .

N Engl J Med , 329: 977 -986 .

Burtis C and Ashwood E . (1994) :

Tietz Text book of clinical chemistry 2nd ed . WB Saunders company . London , Toronto , Montreal , 277-81,1058-75 .

Cagoni ML, and Ghersetich I . (1993) :

Cell adhesion molecules in inflammatory and neoplastic skin diseases .

J Euro Acad Dermatol & Venereol , 2 : 94-112 .

Campana D, Sheridan B , Tidman N, Hoffbrand AV , and Janossy G. (1986):

Human leukocyte function associated antigens on lymphohemopoietic precursor cells .

Eur J immunol , 16: 537-542 .

Campbell ZH and Campbell GR. (1997) :

The cell biology of atherosclerosis.

Aust NZJ Med, 27 : 497-500.

Caramori ML, Fioretto P and Mauer M. (2000) :

The need for early predictors of diabetic nephropathy risk. Is albumin excretion rate sufficient ? .

Diabetes, 49 (9) : 1399 - 408.

Caughman SW , Li LJ , and Degitz K. (1992) :

Human intercellular adhesion molecule -1 gene and its expression on the skin .

J Invest Dermatol , 98 (suppl) : 618 .

Cellier C, Patey N, Cervini JP and Babier JP. (1997) :

In-situ endothelial cell adhesion molecule and E-selectin expression in ulcerative colitis.

Eur Gastroenterol Hepatol , 9 : 1197-203.

Chamoun F, Burne M, O, Donell M and Rabb H .(2000) :

Pathophysiologic role of selectins and their ligands in injury .

Frontiers in Bioscience (5) : 103 -109 .

Christiansen JS, Frandsen M and Parving HH. (1981) :

Effect of intravenous glucose infusion on renal function in normal man and in insulin dependent diabetics.

Diabetologia , 21 : 268-76.

Christiansen JS, Rasmusseu JF and Parving HH. (1985) :

Short term inhibition of prostaglandin synthesis has no effect on the elevated glomerular filtration rate of early insulin dependent diabetes.

Diabetic Med , 2: 17-25.

Chu W, Presky DH, Swerlick RA and Burns DK . (1994) :

Alternatively processed human E-selectin transcripts linked to chronic expression of E- selectin in vivo .

J Immunol , 153 : 4179-90.

Claire LH , and David LS . (1994) :

Structural motifs for recognition and adhesion in members of the immunoglobulin superfamily .

J Cell Science , 107 : 2065-2070 .

Clausen P, Jacobsen P, Rossing K, Jensen JS, Parving HH and Feldt-Rasmussen B. (2000) :

Plasma concentrations of VCAM-1 and ICAM-1 are elevated in patients with Type 1 diabetes mellitus with microalbuminuria and overt nephropathy .

Diabet Med , 17 : 644-9 .

Collins T, Read MA, Neish AS, Whitley MZ, Thanos D and Maniatis T. (1993) :

Transcriptional regulation of endothelial cell adhesion molecules : NF- Kappa B and cytokine-inducible enhancers.

FASEB J, 9 : 899-918.

Cominacini L, Fratti A, Garbin U, Davoli A, Santis AD, Campagnola M and Riogoni A . (1995) :

Elevated levels of soluble E-selectin in patients with IDDM and NIDDM : relation to metabolic control .

Diabetologia , 38 : 1122-34.

Cominacini L, Garbin U, Fratta Posini A and Lo Cascio V. (1999) :

Increased levels of plasma ELAM-1, ICAM-1 and VCAM-1 in NIDDM: possible role of oxidative stress.

Diabetologia , 39:1244-1250.

Cominacini L, Fratta A , Garbin U, Campagnola M, Davori A, Riogoni A, Zenti MG and Pastorino AM. (1997) :

E-selectin plasma concentration is influenced by glycemic control in NIDDM patients possible role of oxidative stress .

Diabetologia, 40 : 584-9 .

Cotram RS, Gimbrone MA JR, Bevilacqua MD, Mendrick DL and Poher JS. (1988) :

Induction and detection of human endothelial activation antigen in vivo.

J Exp Med , 164: 661-82 .

Cruse J, and Lewis R . (1995) :

Illustrated Dictionary of immunology .

New York : CRC press 1995 .

De Mattia G, Bravi MC, Laurenti O, Cassone-Faldetta M, Proietti A, De luca O, Armiento A and Ferri C. (1998) :

Reduction of oxidative stress by oral N-acety-L-cysteine treatment decreases Plasma soluble vascular cell adhesion molecule -1 concentration in non-obese, non-dyslipidaemic, normotensive patients with non-insulin-dependent diabetes, Diabetologia , 41: 1392-6.

Deferrari G, Gheli V and Rabando C. (1997) :

Treatment of diabetic nephropathy in its early stages.
Diabetes Metab Rev , 13: 51-62.

Deodhar S . (1989) :

C-reactive protein : The best laboratory indicator available for disease activity .
Cleveland Clin J Med , 56 : 126-8 .

Diamond MS , Staunton DE , Marlin SD and Springer TA . (1991) :

Binding of the integrin Mac-1 (CD 116 , CD 18) to the third immunoglobulin like domain of ICAM - 1 (CD 54) and its regulation by glycosylation .
Cell , 65 : 961 - 971 .

Egerer K, Rohnu, Krash D and Kox W. (1997) :

The circulatory adhesion molecules ICAM-1 and s-E-selectin in patients with sepsis. Anaesthesist , 46 : 592-8.

El Badri A and Ali H. (2000) :

Elevated concentrations of circulating adhesion molecules and their association with vascular complications on NIDDM patients.
The Egt J Hematology. , 52: 267-82.

Esmatjes E, Fernandez MR and Halperin I. (1985) :

Renal hemodynamic abnormalities in patients with short term insulin dependent diabetes mellitus: Role of renal prostaglandins .

J Clin Endocrinal Metab , 60:1231-6.

Expert R . (1997) :

Diagnosis and classification of diabetes mellitus.

Diabetic care , 20:1183-97.

Expert R : (1998) :

Report of the Expert Committe on the Diagnosis and Classification of Diabetes Mellitus .

Diabetes care , 21 (Suppl 1) : S5-19 .

Expert R : (2000) :

Report of the Expert Committee on the Diagnosis and Classification of Diabetes Mellitus .

Diabetes Care , 23 : S4-S19 .

Expert R : (2001) :

Report of the Expert Committee on the Diagnosis and Classification of Diabetes Mellitus .

Diabetes Care ,24 : S5-S20 .

Fajans SS, Bell GI, Bowden DW, Halter JB and Polonsky KS . (1994) :

Maturity - onset diabetes of the young .

Life Sci , 55 : 413-22 .

Fasching P, Waldhausl W, Wagner OF. (1996) :

Elevated circulating adhesion molecules in NIDDM : potential mediators in diabetic macroangiopathy .

Diabetologia ,39 : 1242-4 .

Fawcett J, Holness CL and Needham LA . (1992) :

Molecular cloning of ICAM-3 , a third ligand for LFA-1 , constitutively expressed on resting leukocytes .

Nature ,360:481 -484 .

Ferrannini E, Natali A and Bell P . (1997) :

Insulin resistance and hypersecretion in obesity . European Group for the study of the Insulin Resistance (EGIR) .

J Clin Invest ,100 : 1166-73 .

Fiorrelto P, Steffes MW, Sutherland DER and Mauer M. (1995) :

Sequential renal biopsies in IDDM patients structure factors associated with clinical progression.

Kidney Int , 48 : 1929-35.

Folkman J and Shing Y. (1992) :

Angiogenesis .

J Biol Chem , 267:10931-8 .

Furley AJ, Morton SB and Manalo D . (1990) :

the axonal glycoprotein TAG-1 is an immunoglobulin superfamily member with neurite outgrowth promoting activity .

Cell , 61 : 157-170 .

Gabbay K , Hasty K, Breslow J, Ellison R, Bunn H and Callop P . (1977) :

Glycosylated Hemoglobin and long term blood glucose control diabetes mellitus .

J Clin Endocrinology and metabolism . , 44 : 859-61 .

Gall MA (1991) :

Prevalence of micro - and macro albuminuria , arterial hypertension , retinopathy and large vessel disease in European type 2 (non insulin dependent) diabetic patients .

Diabetologia , 34 : 655 - 661 .

Gall MA, Rossing P and Skott P. (1992) :

Prevalence and causes of albuminuria in non-insulin dependent diabetic patients .

Kidney Int , 41 : 758-67.

Gall MA, Rossing P and Skott P. (2001) :

Prevalence of micro and macroalbuminuria, arterial hypertension , retinopathy and large vessel disease in European type 2 (non-insulin -dependent) diabetic patients .
Diabetologia, 34: 6555-61 .

Ghera P, van Huijsdijnen RH, Whelam J and Delamarter F. (1992) :

Labile proteins plays dual role in the control of endothelial leucocyte adhesion molecules , (ELAM -1) gene regulation .

J Biol Chem , 267 : 19226 - 34 .

Godsland IF and Stevenson JC. (1999) :

Insulin resistance : syndrome or tendency ?

Lancet , 346 : 100-3 .

Goodman SR. (1998) :

Cell motility .

Medical Cell Biology second ed, 299 - 309 .

Greene DA, Lattimer SA and Sima AF.(1987) :

Sorbitol phosphoinositides and sodium potassium ATPase in the pathogenesis of diabetic complications .

N Engl Med , 316 : 599-606.

Groves R, Allen H, Barker J and Haskard K. (1991) :

Endothelial leukocyte adhesion molecules expression in cutaneous inflammation

Br J Dermatol, 124: 117-23.

Hemler ME . (1998) :

Adhesive protein receptors on hemotopoietic cells .

Immunol Today , 9 : 109-113

Henry JB, Nelson DA, Tomar RH, Washington JA and Threatch GA.(1991):

Clinical diagnosis and management by laboratory methods .

18th ed Philadelphia , London, Toronto, Montreal, Sydney , Tokyo : WB Saunders Company , 1 :43-8 .

Heptin Stall RH. (1984) :

Diabetes Mellitus and Gout.

Pathology of the Kidney . 4th ed . Boston : White Brown Co : 1397-442.

Hirata K, Shikata K, Mastuda M, Akiyama K, Sugimoto H, Kushiro M and Makino H . (1998) :

Increased expression of selectin in kidney of patients with diabetic nephropathy.
Diabetologia , 185:185-92.

Huang YW, Baluna R and Vitetta ES.(1997) :

Adhesion molecules as target for cancer therapy.
Histology and Histopathology ,12 : 467 - 77 .

Hynes RO . (1987) :

Integrins : A family of cell surface receptors .
Cell , 48 : 549 - 554 .

Hynes RO . (1992) :

Integrins : versatility, modulation and signaling in cell adhesion .
Cell , 69 : 11-25

Jones SL, Perico N and Begingini R. (1988) :

Glomerular Filtration rate, extracellular fluid volume and atrial natriuretic factor in insulin-dependent diabetics.
Kidney Int , 33: 268-80.

Jude EB, Abbott CA, Young MJ, Anderson SG, Douglas JT and Boulton AJ. (2002) :

The potential role of cell adhesion molecules in the pathogenesis of diabetic neuropathy.

Diabetologia , 41 : 330 - 6

Kado S and Nagata N. (1999) :

Circulating intercellular adhesion molecule-1, vascular-cell adhesion molecule-1 and E-selectin in patients with type 2 diabetes mellitus .

Diabet Res Clin Pract , 46 : 143-8 .

Kansans GS. (1996) :

Selectins and their ligands : Current Concepts and Controversies .

Blood ,88 (9) : 3259-87.

Katz AM, Rosenthal D, and Sauder DM . (1991) :

Cell adhesion molecules . Structure , function and implication in a variety of cutaneous and other pathologic conditions .

Int J Dermatol , 30 (3) : 153 – 160

Kautzky willer A, Fasching P, Jilma B, Waldhausl W and Wagner OF . (1997):

Persistent elevation and metabolic dependence of circulating E-selectin after delivery in women with gestational diabetes mellitus .

J Clin Endocrinol Metab , 82 : 4117 - 21 .

Kawamura T, Umemura T, Kanai A, Uno T, Matsumae H, Sano T, Sakamoto N and Sakakibura T. (1998) :

The incidence and characteristics of silent cerebral infarction in elderly diabetic patients : association with serum-soluble adhesion molecules.

Diabetologia ,41: 911-7 .

Kerensky AM, Sanchez-Madrid F, Robbins E, Nagy J, Springer TA, and Burakoff SJ . (1983) :

The functional significance , distribution and structure of LFA-1 , LFA-2, and LFA-3 : Cell surface antigens associated with CTL-target interactions .
J immunol ,131 :611-616 .

Kim JA, Berliner JA, Natarajan RD and Nadler JL. (1994) :

Evidence that glucose increases monocyte binding to human aortic endothelial cell.
Diabetes, 43: 1103-7.

Klein R . (1999) :

Hyperglycemia and microvascular and macrovascular disease in diabetes . Diabetes Care , 18: 258-68 .

Kohner EM. (1993) :

Diabetic retinopathy.
BMJ ,307:1195-9 .

Konter U , Kellner I, and klein E . (1989) :

Adhesion molecules mapping in normal human skin .
Arch Dermatol Res , 281 : 454 - 462 .

Kraling PM, Razon MJ, Boon LM, Zurakowski D, Seachord C, Darveau RP, Mulliken JB, Corless CL and Bischoff. (1996) :

E-selectin is present in proliferating endothelium in human hemangiomas.
Am J Pathol , 148:1181-90.

Kriglstein CF and Granger DN. (2001) :

Adhesion molecules and their role in vascular disease .

Am J hypertens , 14 : 445 - 54 .

Krolewski AS and Warram JH . (1995) :

Natural history of diabetic Nephropathy.

Diabetes Rev , 3:446-59.

Kunkel EJ, Jung U and Ley K. (1996) :

Slow leukocyte rolling in TNF- α -treated mouse cremaster muscle venules is mediated by E-selectin .

FASEB J , 10 : A 1280-8.

Kvasnicka J, Skrha J, Perusicova J,Kvasnick T, Markova M and Pecen L. (1998) :

Hemostasis ,cytoadhesive molecules (sE-selectin and sICAM-1) and inflammatory markers in non -insulin dependent diabetes (NIDDM) .

Sb Lek , 99: 97-101 .

Ley K and Tedder TF . (1995) :

Leukocyte interaction with vascular endothelium . New insights into selectin-mediated attachment and rolling .

J Immunol, 155 : 525 - 36 .

Ley K, Tedder TF and Kansas GS. (1993) :

L-selectin can mediate rolling independent from E-and P-selectin in mesenteric

venules in vivo .

Blood , 82 : 1632-54.

Li SH, Burns DK, Rumberger JM, Presky DH, Wilkinson VL, Anostario MJR, Wolitzky BA, Norton CR, Familletti PC, Kim KJ, Goldstein AL, Cox DC and Huang KS. (1994) :

Consensus repeat domains of E-selectin enhance ligand binding.

J Biol Chem , 269 : 4431 - 8 .

Litwin MS, Gamble JR, Aggarwal BB, Puri RK and Gamble MA. (1995) :

Role of cytokines in endothelial cell functions .

Blackwell Science England Berlin, USA: 100-29.

Lyons TJ. (1994) :

Lipoprotein glycation and its metabolic consequences .

Diabetes , 41 : 67-73 .

Makgobe MW, Sanders ME, and Shaw S . (1989) :

The CD2/LFA-3 and LFA-1 / ICAM-1 pathways : relevance to T-cell recognition .

Immunol Today, 10 : 417-422 .

Mangili R, Crepaldi G, Tiengo A and Delprato S . (1999) :

Diabetic nephropathy in IDDM and NIDDM: Insulin resistance , Metabolic Diseases and Diabetic Complications .

Elsevier Science BV : 109 - 15 .

Matsuura N, Narita T, Mitsouka C and Takagi H. (1997) :

Increased level of circulatory adhesion molecules in the sera of breast cancer

patients with distant metastasis.

Japanese Journal of Clinical Oncology , 27:135-9

Mauer SM, Steffes MW , Ellis EN, Sutherland DER, Brown DM and Goetz FC. (1994) :

Structural-functional relationships in diabetic nephropathy.

J Clin Invest , 74 : 1143-55.

Mauri A, Fukuda Y, Kogama Y and Nakano J. (1996) :

Serum levels of ICAM-1 and VCAM-1 in liver disease and their treatment by interferon.

J Int Med Res , 24 : 258-65.

Meigs JB, Hu FB, Rifai N and Manson JE. (2004) :

Biomarkers of endothelial dysfunction and risk of type 2 diabetes mellitus.

JAMA , 291(16): 1978 – 86 .

Menger MD, and vollmar B . (1996) :

Adhesion molecules as determinant of disease . From molecular biology to surgical research .

Br J surg , 83 : 588 - 601 .

Miyake S,Ueki Y,Nakamura H ,Matsumoto K and Sera Y.(2002) :

Serum concentrations of soluble adhesion molecules are related to degree of hyperglycaemia and insulin resistance in patients with type 2 diabetes mellitus .

Diabetes Res Clin pract, 55 (2) : 131 - 8 .

Mogenson CE, Chachati A and Christensen CK. (1996) :

Microalbuminuria : An early marker of renal involvement in diabetes.

Uraemia Invest , 9 : 85-92.

Moran LA, Scrimgeour KG, Horton HR, Racymod SO and Rawn JD. (1994):

Carbohydrates and glycoconjugates .

Biochemistry 2nd ed , Neil Patterson. London Sydney Toronto: 9-40 .

Murray RK, Granner DK, Mayes PA and Rodwell VW.(1996) :

Harper's Biochemistry, 24th ed Rod well, USA, Canada. ,648-66 .

Natsuka S, Gersten KM, Zenita K, Kaqnnagi R and Lowe JB. (1994) :

Molecular cloning of cDNA encoding a novel human leukocyte alpha of 1,3 fucosyl transferase capable of synthesizing the Sialyl Lewis X determinant.

J Biol Chem , 269: 16789-98.

Nelson RG, Beck GI and Beunett PH . (1998) :

Changes in glomerular function with the onset of non-insulin dependent diabetes in pima Indians

Diabetologia. , 36:A27.

Nelson RG, Knowler WC and Pettitt DJ. (2001) :

Assessing risk of overt nephropathy in diabetic patients from albumin excretion in untimed urine specimens .

Arch Intern Med , 151 : 1761-7.

Nose A, Tsuji k, and Takeichi M . (1990) :

Localisation of specificity determining sites in Cadherin cell adhesion molecules.

Cell , 61 : 147 - 155 .

Olafsson AM, Arfors KE, Ramezanilwoltzky BA, Butcher EC and Von Andrian UH.(1994) :

E-selectin mediates leukocyte rolling interleukin- 1 treated mesentry venules.
Blood , 84 : 2749 - 61 .

Olefsky JM, Wyngaardn JB and Smith LH. (1998) :

Diabetes Mellitus.

Cecil Text Book of Medicine 18th ed. ,1360-81.

Osborn L, Hession C,Tizard R, Vassallo C, Luchowski S, Chi-Rosso G, and Lobb R. (1989) :

Direct expression cloning of vascular . cell adhesion molecule -1 a cytokine - induced endothelial protein that binds to lymphocytes .

Cell , 59 : 1203-1211

Pall AA, Garner CM and Richards GN. (1999) :

Expression of E-selectin in the human kidney .

Nephrol Dial Trans Plant ,8:1429-39.

Parslow TG, Bainton DF , Sites DP and Terr AI. (1997) :

Innate immunity.

Medical immunology 9th ed. London, Sydney, Toronto : 25-38 .

Parving HH, Osberby R and Anderson PV. (1996) :

Diabetic Nephropathy .

The kidney . Philadelphia, Saunders : 1864-92.

Peter HB, Khan CR and Weir GC, (1994) :

Definition, diagnosis and classification of diabetes mellitus and impaired glucose tolerance .

Josline's Diabetes Mellitus, 13rd ed . Philadelphia : Waverly Company , 11: 193-200

.

Picker LJ, Kishimoto TK, Smith CW, Warnock RA and Butcher EC . (1991):

ELAM-1 is an adhesion molecule for skin homing T cells.

Nature , 349 : 737-40.

Pigott R, Needham LA, Edwards RM and Walker C, (1991) :

Structural and functional adhesion molecule-l using a panel of monoclonal antibodies .

J immunol ,147 : 130-5.

Pober JS, Bevilacqua MP, Mendrick DL, Lapierre LA, Fiers W and Gimbrone MA. (1986) :

Two distinct monokines, interleukin-1 and tumor necrosis factor each independently induce biosynthesis and transient expression of the same antigen on the surface of cultured human endothelial cells .

J Immunol , 136: 1680-7.

Raj DS , Choudhury D, Welbourne TC and Levi M . (2000) :

Advanced Glycation end products : a nephrologist's perspective .

Am J Kidney Dis , 35 : 365 -80 .

Rasmussen T, Mogensen C, Leadet T, Bek T, Kurdsen S and Poulsen P.

(2003) :

E-selectin inducing activity in plasma from type 2 diabetic patients with maculopathy.

Am J.physiol Endocrinol metab , 284 (1) : 1 - 6 .

Reaven GM, Chen YDI and Jeppesen J. (1999) :

Insulin resistance and hyperinsulinemia in individuals with small , dense , low density lipoprotein particles .

J Clin invest , 92 : 141-6 .

Reichard P, Nilsson BY and Rosenquist U. (1993) :

The effect of long term intensified insulin treatment on the development of microvascular complications of diabetes mellitus.

N Engl J Med , 329 : 304-15.

Rossing P, Hommel E, Smidt UM and Parving H-H . (1992) :

Reduction in albuminuria predicts a beneficial effect on progression of diabetic nephropathy during antihypertensive treatment .

J Am Soc Nephrol , 3 : 338 - 46.

Rothlein R, Dustin ML , Marlin SD , and Springer TA. (1986) :

Human intercellular adhesion molecule (ICAM - 1) distinct from LFA - 1 .

J Immunol , 137 : 1270 .

Rott I, Brostoff J, Male D.(1998) :

Cell migration and inflammation .

Immunology 5th ed , Mosby international Ltd . london, UK 62-9

Ruoslahti E, and Pierschbacher D . (1987) :

New prospectives in cell adhesion : RGD and integrins .
Science , 238 : 491 - 497 .

Ryysy L and Yki- Jarvinen H. (2001) :

Improvement of glycemic control by 1 year of insulin therapy leads to a sustained decrease in E-selectin concentrations in Type 2 diabetes .
Diabetes Care , 24 (3) : 549-54 .

Sasaki S, Nishi T , Kurata K , Funuyama K and Negata H . (1994) :

Expression cloning of novel alpha 1,3 - fucosyl transferrase that is involved in biosynthesis of the Sialyl Lewis X carbohydrate determinants in leukocytes.
J Biol Chem , 269: 14730-6

Schweitzer KM, Drager AM, Vander Valk P, Thijsen SFT, Zenvenbergen A, Thijsmeijer AP, Vander Schoot CE and Langen Huijzen MMAC. (1996) :

Constitutive expression of E-selectin and vascular cell adhesion molecule-1, on endothelial cells of hematopoietic tissues .
Am J pathol 1996, 148 : 165-81.

Sera Y, Niino E, Miyake S , Ueki Y , Matsumoto K and Inukai G. (2002):

Comparison of serum concentrations of soluble adhesion molecules in diabetic microangiopathy and macroangiopathy.
Diabet-med , 19 (40) : 822-6 .

Sherwin R, Bennett J and Goldman L. (2000) :

Diabetes mellitus.

Textbook of Medicine, 21st ed. WB Saunders Company Philadelphia 2000 page :

1263-83.

Sheth JJ . (1999) :

Diabetes , microalbuminuria and hypertension .

Clin Exp Hypertens , 2 : 61-8 .

Shikata K, Makino H and Sugimoto M. (1995) :

Localization of advanced glycation end products in the kidney of experimental diabetic rats.

J Diab Compl , 9: 269-71.

Shimizu Y , Van Seventer GA , Horgan KJ and Shaw S . (1990) :

Regulated expression and binding of three VLA (B1) integrin receptors on T cells .

Nature , 345: 250- 253 .

Skrha J, Pranzing M, Kvasnicka J and Kalvodora B . (2001) :

Changes in microcirculation and selected laboratory parameters in the early stages of diabetic microangiopathy.

Cas Lek Cesk ,21; 140: 370-4.

Smeets EF, Devries T, Leeuwenberg IFM, Vanden Eijnden, Buurman WA and Neefjes JJ. (1993) :

Phosphorylation of surface E-selectin and the effect of soluble ligand (Sialyl Lewis) on the half life of E-selectin .

Eur Immunol , 23 : 147-51.

Smolen JE, Boxer LA, Williams WJ, Beutler E and Ersler AJ . (1994) :

Functions of neutrophils.

Hematology 5th ed . New York . McGraw-Hill : p 779 .

Springer TA . (1990) :

Adhesion receptors of the immune system .

Nature , 346:425-434 .

Springer TA, Dustin ML , Kishimoto Tk, and Martin SD . (1987) :

The lymphocyte function associated LFA 1, CD2 and LFA3 molecules : cell adhesion receptors of the immune system .

Ann Rev immunol , 5 : 223 - 252 .

Spronger TA . (1994) :

Traffic signals for lymphocyte recirculation and leukocyte migration.

Cell , 76: 301 - 14 .

Staunton DE, Dustin ML, and Springer TA . (1989) :

Functional cloning of ICAM-2, a cell adhesion ligand for LFA-1 homologous to ICAM-1.

Nature , 339 : 61-64 .

Stehouwer , CDA, Mari Anne M, Gall SS and Elisabeth Knudsen R. (2002):

Increased urinary albumin excretion , endothelial dysfunction and chronic low grade inflammation in type 2 diabetes .

Diabetes , 51 : 1157 - 1165 .

Stehouwer CDA, Yudkin JS, Fioretto Pand Nosadini R. (1998) :

How heterogenous is microalbuminuria in diabetes mellitus ? The case for benign and malignant microalbuminuria.

Nephrol Dial Transplant, 13:2751-4.

Stehouwer CDA. (1997) :

Von Willbrand factor, dysfunction of the vascular endothelium and the development of renal and vascular complications in diabetes .

The kidney . Klumer, Boston : 155-63.

Steiner M, Reinhardt KM, Krammer B, Ernst B and Blann AD . (1999) :

Increased levels of soluble adhesion molecules in type 2(non-insulin dependant) diabetes mellitus are independent of glycemic control.

Thromb Haemost , 72:979-84.

Striker GE, Agoda LL and Held P, (1992) :

Kidney disease of diabetes mellitus (diabetic Nephropathy) perspectives on the United States .

J Diabetic complications , 5:51-67.

Szelamecz Z, Haines GK and Shah MR. (1995) :

Increased synovial expression of the adhesion molecules CD66a CD66b and CD31 in rheumatoid.

Clin Immunol Immunopathol, 67:180-6.

Tailor A and Granger DN. (2000) :

Role of adhesion molecules in vascular regulation and damage .

Curr Hypertens Rep, 2 : 78-83 .

Taskinen M, Hjukka A , Hulten LM, and Wiklund O . (2003) :

Insulin resistance and adiposity correlate with acute - phase reaction and soluble cell adhesion molecules in type 2 diabetes .

Atherosclerosis , 166 (2) : 387 - 94 .

Tedder TF, Ernst TJ, Demetri GD, Issacs CM, Adler DA and Disteche CM.(1989): Isolation and chromosomal localization of cDNAs encoding a novel human lymphocyte cell-surface molecule, LAM-1; Homing with the mouse lymphocyte homing receptor and other human adhesion proteins .
J Exp Med ,170; 123-35.

Tiffany To , Jensen JM , Burtis CA and Overton JB . (1972) :

Enzymatic Kinetic rate and end point analsis of substrate by use of GFM SA Ec.

Fast Analyzer Clin Chem, 18 : 829 .

Tominaga T , Matsumoto K , Ueki Y, Miyake S and Nakamura H .(2001) :

Correctior of hyperglycaemia reduces insulin resistance and serum soluble E-selectin level in patients with type 2 diabetes mellitus.

Diabet med ,18 (3) : 224-8.

Trevisan R, Nosadini R and Fioretto P. (1987) :

Ketone bodies increase glomerular filtration rate in normal man and in patients with type 1 (insulin - dependent) diabetes mellitus.

Diabetologia , 30: 214-21 .

Trevisan R, Walter JD and Vibertis GC. (1996) :

Diabetic Nephropathy .

Nephrology . London : Chapment and Hall , 551-74.

Tutte KR, Bruton JL and Perusek M. (1991) :

Effect of strict glycemic control on renal hemodynamic response to amino acid infusion.

N Engl J Med , 324 : 1626-39.

Ueki Y, Hirao K ,Miyake S, Tominaga T, Abe Y, Sera Y and Horikami K. (2002) : High serum concentration of soluble E- selectin correlate with obesity but not fat distribution in patients with type 2 diabetes mellitus.

Metabolism ,51 (7) : 932-4.

Vanier B and Nielsen OH. (1997) :

The influence of adhesion molecules in inflammatory bowel diseases.

Ugeskruff for Laeger , 159: 376-81.

Varki A.(1994) :

Selectin ligands .

Proc Natl Acad Sci U.S.A , 91 : 7390 .

Vestweber D, Beaudet AL and Ley K. (1995) :

Absence of Trauma-induced leukocyte rolling in mice deficient in both P-selectin and intercellular adhesion molecule-1 (ICAM-1) .

J Exp Med , 183 : 57-75.

Vlassara H, Bucala R and Striker L. (1994) :

Biology of disease: pathologic effect of advanced glycosylation : biochemical, biologic and clinical complications for diabetes and aging.

Lab Invest, 70:138-51.

Vora JP, Anderson S, and Brenner BM. (1994) :

Pathogenesis of diabetic glomerulopathy : The role of glomerular hemodynamic factors.

The kidney and Hypertension in diabetes mellitus. 2nd ed .Klumer Academic publisher, 223-32 .

Watson SR, Imai Y, Fennie C, Geoffrey J, Singer M, Rosen M, Rosen SD and Lasky LA (1991) :

The complement binding like domains of the murine homing receptor facilitate lectin activity.

J Cell Biol ,115:235-48.

Weis WI, Kahn R, Fourme R, Drickamer K and Hendrickson WA. (1991):

Structure of calcium dependent lectin domain from a rat mannose-binding protein determined by MAD phasing.

Science ,254: 1608-20.

Williams Af , and Barclay AN . (1988) :

The immunoglobulin superfamily domains for cell surface recognition .

Ann Rev immunol , 6: 381- 405 .

Yan HC, Delisser HM, Pilewski JM, Baron KM, Srklut PJ , Chang XJ, Ahem TJ, Langer-safer P and Albelda SM.(1994) :

Leukocyte recruitment into human skin transplanted onto severe combined immunodeficient mice introduced by TNF-alpha is dependent on E-selectin.

J Immunol , 152:3053-6.

Yan HC, Juhasz I, Pilewski J, Murphy GF, Herlyn M and Albelda SM.(1993):

Human severe combined immunodeficient mouse chimeras. An experimental in

vivo model system to study the regulation of human endothelial cell-leukocyte adhesion molecules.

J Clin Invest , 91: 986-1008.