

MARJORIE LYNETTE ZUCKER

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Education

1963-69 M.B.B.Ch. University of Witwatersand Medical School
Johannesburg , South Africa

Training and Experience

- 1970 Internship (Medicine-Surgery) Johannesburg General Hospital ,
South Africa
- 1971-76 Resident in Pathology, South Africa Institute for Med. Res. and
School of Pathology, Witwatersand University, South Africa
- 1975 F.F. Path - certification in Pathology - (Hematological), College
of Medicine of South Africa
- 1976-77 Hematopathologist, South Africa Institute for Medical Research
and School of Pathology, Witwatersand University
- 1977-78 Research Associate, Community Blood Center of Greater Kansas
City
- 1978-80 Resident in Pathology, University of Kansas Medical Center
- 1980-81 Instructor in Pathology, University of Kansas Medical Center
- 1981-86 Assistant Professor in Pathology, University of Kansas Medical
Center
- 1981-89 Director of Residency Training Program, Department of Pathology,
University of Kansas Medical Center
- 1983-89 Joint appointment, Assistant Professor in Department of Medicine,
University of Kansas Medical Center
- 1986-89 Associate Professor in Pathology, University of Kansas Medical
Center.
- 1989-1995, 1998-2008 Clinical Associate Professor in Pathology, University of Kansas
Medical Center.
- 1997-2008 Clinical Professor in Pathology, School of Medicine,
University of Missouri - Kansas City.
- 1989-2008 Clinical Pathologist, Laboratory Medicine, St. Luke's Hospital,
Kansas City, MO.
- July 2008-present Associate Professor of Pathology, University of Kansas Medical Center

Medical Licensure

Kansas
Missouri

Board Certification

Certified by American Board of Pathology (Anatomical & Clinical), 1981.

Honors

Elected as Outstanding Educator for the second year basic sciences:

1983-1984 by the Medical Student Assembly, University of Kansas Medical Center

1987-1988 by the Medical Student Assembly, University of Kansas Medical Center

1989-1990 by the Student Voice, University of Kansas Medical Center

1990-1991 by the Student Voice, University of Kansas Medical Center

Honors in education award, 1991-1992, Student Voice, University of Kansas Medical Center

Achievement in Medical Education Award, 1992-1993, Student Voice, University of Kansas Medical Center

Professional Societies and Committees

American Society of Clinical Pathologists

Member, American Society of Hematology

Member, International Society of Thrombosis and Haemostasis

Kansas City Society of Pathologists

Fellow, Faculty of Pathology, College of Medicine of South Africa

Member, Committee on Bone Marrow Transplant Pathology, S.W.O.G., 1983-1989

School of Medicine Admissions Panel, K.U. Medical Center, 1985, 1986

Sigma Xi, 1985-1989

Member, Curriculum Development and Education Committee of Medical Faculty, K.U. Medical Center, 1982-1985

Member, Student-Faculty Relations Committee of Medical Faculty, K.U. Medical Center, 1986-1989

Member, Cancer Committee, Saint Luke's Hospital, 1990-1995

Member, Research Subcommittee, of Medical Staff, Saint Luke's Hospital, 1993-1996

Member, Research Committee of Foundation, Saint Luke's Hospital, 1993-1996

Papers

Zucker, M.L., Gomperts, E.D. and Marcus, E.D. Inherited antithrombin III deficiency: Prophylactic and therapeutic anticoagulant therapy. *South African Med. J.* 50:1743-1748, 1976.

Gomperts, E.D., Zucker, M., Russell, D., Feese, M., Salant, D., Medelsohn, D. and Seftel, H. Antithrombin functional activity after a fatty meal in normal subjects, familial hyperlipidemia and nephrotic syndrome. *J. Lab. Clin. Med.* 90: 529-535, 1977.

Gomperts, E. and Zucker, M. Heparin, brain thromboplastin and the insensitivity of the prothrombin time to heparin activity. *Thrombosis Research* 12:105-117, 1977.

Skikne, B.S., Lynch, S.R., Bezwoda, W.R., Bothwell, T.H., Bernstein, R., Katz, J., Kramer, S. and Zucker, M. Fanconi's Anemia, with special reference to erythrokinetic features. *South African Med J.* 53:43-50, 1978.

Zucker, M.L., Gomperts, E.D., Russel, D., Joffe, B., Feese, M., Kuschke, R., and Seftel, H. Antithrombin functional activity after saturated and unsaturated fatty meals and fasting in normal subjects and some disease states. *Thrombosis Research* 15: 37-48, 1979.

Bayer, W.L., Coenen, W.M., Jenkins, D.C., and Zucker, M.L. The use of blood and blood components in 1769 cases undergoing open heart surgery. *Annals of Thoracic Surgery* 29 (2) 117-122, 1980.

- Lee, S.H. Zucker, M.L. and Sato, T. Primary adenocarcinoma of an anal gland with secondary perianal fistulas. *Human Pathology* 12:1034-1036, 1981.
- Zucker, M.L., Woodroof, J., Krehbiel, P., DeCoursey, S., Jackson, B. and Dujovne, C.A. The effect of variable fat diets and cholesterol-lowering drugs on Antithrombin III levels in hyperlipoproteinemic and normal subjects. *Thrombosis Research* 30:661-669, 1983.
- Skikne, B.S. and Zucker, M.L. Disorders of hemostasis - a practical approach to their diagnosis. *J. Kansas Med. Soc.* 85:269-272, 1984.
- Zucker, M.L., Trowbridge, C., Krehbiel, P., Jackson, B., Chernoff, S.B. and Dujovne, C.A. Platelet function in hypercholesterolemics before and after hypolipidemic drug therapy. *Haemostasis* 16:57-64, 1986.
- Zucker, M.L., Trowbridge, C., Woodroff, J., Reynoso, L., Chernoff, S.B. and Dujovne, C.A. Low versus high dose aspirin: Comparison of effects on platelet function in hyperlipoproteinemic and normal subjects. *Arch. Int. Med.* 146:921-925, 1986.
- Lorand, L., Velasco, P.T., Rinne, J.R., Amare, M., Miller, L.K. and Zucker, M.L. Autoimmune antibody (IgG Kansas) against the fibrin stabilizing factor (Factor XIII) system. *Proc. Natl. Acad. Sci. USA*, 85:232-236, 1988.
- Harris, W.S., Zucker, M.L. and Dujovne, C.A. Omega-3 fatty acid methyl esters in hypertriglyceridemic patients. *Am. J. Clin. Nutr.*, 48:992-997, 1988.
- Harris, W.S., Dujovne, C.A., Zucker, M.L. and Johnson, B.G. Effects of a low saturated fat, low cholesterol fish supplement in hypertriglyceridemic patients. *Ann. Int. Med.*, 109:465-470, 1988.
- Zucker, M.L., Bilyeu, D., Helmkamp, G., Harris, W. and Dujovne, C.A. The effects of dietary fish oil on platelet function and plasma lipids in hyperlipoproteinemic and normal subjects. *Atherosclerosis*, 73:13-22, 1988.
- Davis, J.W., Shelton, L. and Zucker, M.L. A comparison of some acute effects of smoking and smokeless tobacco on platelets and endothelium. *J. Vascular Med. and Biology*, 2:289-293, 1990.
- Zucker, M.L., Plapp, F.V., Rachel, J.M., Murphy, C.A., Bohn, B.A., Boeschen, J.L., McCann, L.M. and Peterson, J.T. An adult case of acute biphenotypic leukemia with characteristic mixed morphology. *Missouri Medicine*, 90: 601-604, 1993.
- Zucker, M.L., Budd, S.E., Dollar, L.E., Chernoff, S.B. and Altman, R. Effect of diltiazem and low-dose aspirin on platelet aggregation and ATP release induced by paired agonists. *Thrombosis and Haemostasis*, 70:332-335, 1993.
- Skikne, B. and Zucker, M.L. Vitamin K deficiency. In: *Conn's Current Therapy*, Ed. R.E. Rakel, W.B. Saunders Co., Philadelphia, 1994.
- Thorp, I.A., Caspers, D.R., Cohen, G.R., Zucker, M.L., Strobe, B.D., and McKenzie, D.R. The effect of combined antenatal Vitamin K and phenobarbital therapy on umbilical blood coagulation studies in infants less than 34 weeks gestation. *Obstet. Gynecol.* 86: 982-989, 1995.
- Thorp, J.A., Zucker, M.L., Plapp, F.V., Rachel, J.M. and Hinkle, Craig. Factor V Leiden gene mutation and preeclampsia? *J. Matern. Fetal Invest.* 7:19-20, 1997.
- Gowda, M.S., Zucker, M.L., Vacek, J.L., Carriger, W.L., Van Laeys, D.L., Rachel, J.M. and Strobe, B.D. The Incidence of Factor V Leiden in patients with acute myocardial infarction. *J. Thrombosis and Thrombolysis*, 9: 43-45, 2000.

Plapp, F.V., Essmyer, C.E., Byrd, A.B. and Zucker, M.L. How to successfully influence laboratory test utilization. *Clin. Leadership and Management Review*, 14: 253-260, 2000.

Zucker, M.L., Murphy, C.A., Rachel, J.M., Martinez, G.A., Abhyankar, S., McGuirk, J.P., Reid, K.J., Plapp, F.V. Immature platelet fraction as a predictor of platelet recovery following hematopoietic progenitor cell transplantation. *Laboratory Hematology*, 12:125-130, 2006.

Rachel, J.M., Zucker, M.L., Fox, C.M., Plapp, F.P., Menitove, J.E., Abbasi, F. and Marti, G.E. Monoclonal B-cell lymphocytosis in blood donors. *British Journal of Haematology*, 139: 832-836, 2007

Abstracts

Zucker, M., Metz, J. and Gomperts, E. Inherited and antithrombin III deficiency as a cause of multiple venous thromboses. *South African Med. J.* 49:1425, 1975.

Zucker, M. and Gomperts, E.D. The evaluation of laboratory techniques in the assessment of antithrombin III deficiency. *South African Med. J.* 50:1025, 1976.

Gomperts, E.D., Russell, D., Zucker, M., Salant, D., Feeseey, M., Seftel, H., Mendelsohn, D. Antithrombin functional activity in normal individuals and in patients with familial hyperlipidemia and nephrotic syndrome. *South African Med. J.* 52 (17):690, 1977.

Gomperts, E.D., Zucker, M., Hockley, J. and Feeseey, M. The heparin-inhibiting property of brain thromboplastin. *South African Med. J.* 52 (17):690, 1977.

Zucker, M., Gomperts, E.D., Russell, D., Salant, D., Feeseey, M., Seftel, H. and Mendelsohn, D. Antithrombin functional activity in normal individuals and in patients with familial hypercholesterolemia and nephrotic syndrome. *Thrombosis and Haemostasis (Stuttg.)* 38(1):165, 1977.

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Zucker, M.L. and Gomperts, E.D. Functionally less responsive antithrombin III in association with potential thrombotic disease. *Circulation* 58 (4) II:115, 1978.

Zucker, M.L., Woodroof, J., Krehbiel, P., Decoursey, S., Jackson, B. and Dujovne, C.A. Antithrombin III levels after extreme polyunsaturated/saturated fat ration diets and cholesterol lowering drugs in hyperlipoproteinemics. *Clin. Res.* 32 (2):249A, 1984.

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Goto, H., Tonooka, M., Katayama, H., Benson, K., Arakawa, K., and Zucker, M. The effect of Diltiazem on coagulation and fibrinolytic system during tourniquet ischemia. *Proceedings of Ninth International Congress on Pharmacology, London, August, 1984.*

Goto, H., Kushihashi, T. Katayama, H., Mathewson, H. and Zucker, M. Effects of heparin and protamine on serum ionized calcium in vivo and in vitro. *Proceedings of Annual Meeting of Southern Society of Anesthesiologists, March, 1984.*

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Goto, H., Nonami, R., Hamasaki, Y., Zucker, M.L., Unruh, G.K. and Arakawa, K. Effect of hypothermia on coagulation. *Anesthesiology* 36(3A): A 107, 1985.

- Zucker, M.L., Krehbiel, P., Jackson, B., Chernoff, S. and Dujovne, C.A. Platelet function in hypercholesterolemics before and after hypolipidemic drug therapy. Proceedings of XXI Congress of International Society of Hematology, Sydney, May 1986.
- Zucker, M.L., Bilyeu, D.S., Powell, J.A., Harris, W.S. and Dujovne, C.A. Effect of fish oil on plasma lipids and platelet function in hyperlipoproteinemics. Presented at the 59th Annual Scientific Sessions of American Heart Association, Dallas, Nov. 1986. *Circulation*, 74:II-32, 1986.
- Harris, W.S., Dujovne, C.A., Zucker, M.L. and Johnson, B.E. Fish oil supplements raise low density lipoprotein cholesterol levels in hypertriglyceridemic patients. *Circulation*, 76: IV-168, 1987.
- Harris, W.S., Zucker, M.L., Dujovne, C.A. Omega-3 fatty acids in type IV hyperlipidemia: fish oils vs methyl esters. *Am. J. Clin. Nutr.* 45:858, 1987.
- Zucker, M.L., Budd, S., Dollar, L.E., Chernoff, S.B., Dujovne, C.A., and Altman, R. Effect of diltiazem on platelet aggregation and ATP release induced by dual agonists. Presented at 23rd Congress of International Society of Hematology/32nd Annual Meeting of American Society of Hematology, 1990. *Blood*, 76, Suppl. 1:524a, 1990.
- Strope, B.D. and Zucker, M.L. Evaluation of platelet neutralization procedure and dilute Russel viper venom time in diagnosis of lupus anticoagulant. *Blood*, 84, Suppl.1:682a, 1994.
- Thorp, J.A., Zucker, M.L., Strope, B., Claflin, K., Callenbach, J.C., Shaffer, S., Anderson, J.V. and Heimes, B. The effect of antenatal vitamin K and phenobarbital on cord blood coagulation studies at birth: a randomized double blinded placebo controlled trial. *Am.J. Obstet. Gynecol.* 172, No. 1, part 2: 327, 1995.
- Gowda, M.S., Zucker, M.L., Vacek, J.L., Carriger, W.L., VanLaeyes, D.L., Rachel, J.M., and Strope, B.D. Activated protein C resistance in arterial thrombosis in the setting of acute myocardial infarction. Presented at Missouri Regional Meeting of the Amer. College of Physicians, Oct. 17, 1997.
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- Rachel, J.M., Zucker, M.L., Plapp, F.V., and Fox, C.M. B cell monoclonal lymphocytosis in blood donors. *Blood* 100: 590a, 2002.
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- Zucker, M.L., Skikne, B.S., Rachel, J.M., Murphy, C.A., Martinez, G.A., Stanley, S.M., Hagedorn, C. and Plapp, F.V. Mechanism of thrombocytopenia in Hepatitis C as determined by the immature platelet fraction. Poster presentation at 49th Annual Meeting of American Society of Hematology, Dec 8-11, 2007. *Blood* 110: 939A, 2007