

CURRICULUM VITAE

OMAR SALEM AL-ATTAS

PROFESSOR OF BIOCHEMISTRY

COLLEGE OF SCIENCE

KING SAUD UNIVERSITY

RIYADH-KINGDOM OF SAUDI ARABIA

PART-1

RESUME (CURRICULUM VITAE) □

NAME □ : **Omar Salem Abdullah Al-Attas** □
NATIONALITY : **Saudi**
SEX : **Male**
CURRENT ACADEMIC RANK : **Professor**
DATE OF PROMOTION : **17/07/1416 H (09/12/1997)**

□

ACADEMIC DEGREES :

1) B.Sc.:

King Saud University.
College of Science.
Riyadh, Saudi Arabia .
09/06/1978

2) Ph.D.:

College : Medicine, Dept. of Clinical Biochemistry
and Metabolic Medicine.
University : Newcastle upon Tyne University.
City / Country : Newcastle upon Tyne, England.
Ph.D. Acquiring Date : 07/06/1983 AD.
Ph.c. Thesis Title : (studies on Insulin Receptors).
Advisor Name : Jonathan Whittaker, MBBS, MRCP
professor K.G.M.M. Alberti,
(President , Royal College of Physical U.K.).
Applicant,s Major : Biochemistry.
Minor : Hormonal Receptors.

PART-2

EMPLOYMENT & ADMINISTRATIVE HISTORY

1) EMPLOYMENT HISTORY :□

- **Professor of Biochemistry**
College of Science.
King Saud University.
(09/12/1995) to date.

- **Associate Professor of Biochemistry**
Department of Biochemistry
College of Science.
King Saud University.
(21/10/1990-0812/1995)

- **Assistant Professor of Biochemistry**
Department of Biochemistry
College of Science.
King Saud University.
(10/09/1983-21/10/1990)

- **Graduate Student**
Department of Clinical Biochemistry and Metabolic Medicine
University of Newcastle upon Tyne , U.k .
(01/10/1979-26/091983) .

- **Demonstrator (Teaching Assistant) in Biochemistry**
College of Medicine.
King Saud University.
(20/09/1978-29/09/1979).

2) ADMINISTRATIVE ASSIGNMENTS:

- **Dean College of Science**
College of Science
King Saud University
(2001- 2007)

- **Vice Dean for Academic Affairs , College of Science**
College of Science
King Saud University
(1998-2001)

➤ **Acting Chairman**
Department of Biochemistry
College of Science
King Saud University
(1987-1989)□

3) SCHOLARSHIPS AND AWARDS:

Research projects awarded by the College of Science , Research Center, King Saud University :

- 1- Status of insulin and c-peptide in newly diagnosed saudi dibetics (Bio/1404/38).
- 2- The role of autoimmunity in the development of gestational diabetes mellitus (Bio/1412/15).
- 3- Study on some etiological factors of gestational diabetes mellitus among Saudis (Bio/1412/15).□

Research projects supported or collabarated with or by Ministry of Health and Faculty of Medicine, King Saud University:

- 1- Epidemiological Survey on Endemic Goiter Among School children in Gizan Region, Saudi Arabia (1989-1990).
- 2- Studies on Gestational Diabetes Mellitus in Saudis. In Collaboration with Prince Salman Bin Abdulaziz Hospital in Riyadh (1991 - 1994)
- 3- Screening of Chronic Disease in Saudi Arabia. In Collaboration with the General Directorate of Primary Health Care Ministry of Health (1990 - 1994)
- 4- Study the Lipid Profile Levels in Saudis (1996)
- 5- Coranary artery disease in Saudi Arabia (1997-2002).

Research project supported by UNICEF and in collaboration with the Faculty of Medicine, King Saud University (1993):

□

➤ Analysis of Iodine in Urine in Saudis .

Sabbatical leave offered Kindly by King Saud University at the Department of Medicine, Division of Endocrinology and Metabolism, State University of New York , Stony Brook , USA (1992/1993) .

PART - 3

A: PUBLICATIONS

- 1) **Al-Attas O.S., Comparative studies on the major feature of insulin receptors in mammalian and non-mammalian liver membranes.** Comp Biochem Physical 93,1;125-133 (1989).
- 2) **Al-Attas O.S., Insulin receptor autoantibodies in newly diagnosed Saudi diabetic patients.** Biochem Clin 14,41;367-372 (1990).
- 3) **Al-Attas O.S., Laajam MA, Han MS, Al-Drees AZ. Endogenous insulin secretion in newly diagnosed diabetic in Saudi Arabia.** Diab. Res. Clin Pract 8;51-60 (1990).
- 4) **Al-Attas O.S., Laajam MA, Khan MS, Al-Drees AZ, Bottazzo GF. Frequency of islet cell antibodies in adult Saudi newly diagnosed diabetic patients.** Ann Saudi Med 10;369-373 (1990).
- 5) **Al-Attas O.S., Laajam MA, Khan MS, Al-Drees AZ, Bottazzo GF. Relationship of beta cell function and islet cell antibodies in newly diagnosed adult Saudi diabetic patients.** Saudi Med J. 12(2);102-106 (1991).
- 6) **AL ATTAS O.S., Laajam MA, Khan MS, Al-Drees AZ. Obesity and major metabolic indices in newly diagnosed Saudi diabetic patients.** Trop Geogr Med 42;140-145(1990).
- 7) **Laajam MA, Al Attas O.S, Jim, LK, El Bolbol S, Bashi SA, Al-Khayal LA, Sulimani RA. Guar gum in non-insulin dependent diabetes mellitus: A double blind crossover placebo controlled trial in Saudi Arabian patients.** Ann Saudi Med 10;525-530(1990).
- 8) **Abu-Salah KM, Al Attas O.S., Al-Duhaiman AS, Gorban AM, Al-Jaafari AA. Towards an application oriented biochemistry curriculum.** Bioch. Educ. 14;28-31 (1990).
- 9) **Al Attas O.S., Insulin receptor binding from mid-term and full-term placentas of gestational diabetic patients and normal pregnant women .**
- 10) **Al Attas O.S., Correlates of insulin autoantibodies with beta cell function at the time of diagnosis of diabetes mellitus.**
- 11) **Al Attas O.S., The pattern of biochemical indices in women with gestational diabetes mellitus and those at risk of developing the condition.** Med Sci Res.
- 12) **Al-Attas O.S., Cellular mechanisms of insulin action.** International Diabetes Digest.
- 13) **Al-Attas O.S., Al-Okail MS. features of insulin receptor interaction in placenta from normal, overt and poorly controlled gestational diabetic patients.** Molecular and Cellular Biochemistry 126; 135-142 (1993).
- 14) **Al-Okail MS, Al-Attas O.S., Histological changes in placental syncytiotrophoblasts of poorly controlled gestational diabetic patients.** Endocrine J .
- 15) **Al-Attas O.S., Al Dagheri NM, Vigo NT. Vanadate enhances insulin-receptor binding in gestational diabetic placenta.** Cell Bioch. And Function. 13;9-14 (1995).
- 16) **AlAttas O.S., Al Dagheri NM. Placental insulin binding in women at high risk of developing gestational diabetes mellitus: Effect of familialhistory of diabetes mellitus as risk factor.** Diabetes, Nutrition and Metabolism 8;74-80 (1995).
- 17) **Sulimani RA, Al Attas O.S., El-Desouki MI, Eissa MA, Al Nuaim A, Al Sekait MA. Thyroid antibodies: High prevalence among schoolchildren and adolescents in Gizan, Saudi Arabia. Accepted for publication Saudi Med J. 6 Nov 1994.**
- 18) **Sulimani RA, Al-Attas O.S., Ali ME, El Desouki M, Al Nuaim A, Al Sekait A. Prevalence of endemic goiter among schoolchildren and adolescents in Gizan, Saudi Arabia. Accepted for publication Saudi Med J. 20 Swpt 94.**
- 19) **Sulimani RA, Al-Attas O.S., El-Desouki M. Eissa M, Al Nuaim A, Al Sekait M. Iodide concentrations in Saudi Waters: A cause for concern.** Ann Saudi Med 11;655-657 (1991).

- 20) **Al-Attas O.S.**, Sulimani RA. Iodine concentrations in Saudi staple foods. Saudi Med J 14(4);322-324(1993).
- 21) Sulimani RA, Laajam MA, **Al-Attas O.S.**, Famuyiwa FO, Bashi S. Mekki MO, Ai Nuaim A. Effect of ramadan fasting on diabetes control in type II diabetic patients. Nutr Research 11;26-264(1991).
- 22) Bakir S, **Al-Attas O.S.**, Kordy M. Gader AMA. Effect of fasting on diurnal changes of thyroid hormones. Med J Cairo Univ. 16;49-43(1993).
- 23) Bakir S, **Al Attas O.S.**, Kordy MMT, Gader AGMA, Muzrachi A, Mohammady I. Effect of ramadan fast on the diurnal change of total calcium, parathyroid hormone and calcitonin. Med J Cairo Univ. 62(2);463-468(1994).
- 24) Bakir S, **Al Attas O.S.**, Kordy MMT, Gader AGMA, Haidera MS. Effect of ramadan fast on corticotrophin and beta-endorphins. Med J Cairo Univ. 62(2);485-491(1994).
- 25) Younes B, Al Mishari A, Al Hakeem A, Al Zamil F, Al Saleh S, **Al Attas O.S.**, Iodine level in breast milk of nursing mothers living in Riyadh City. Med Sci Res . 22;675-676(1994).
- 26) Al Senaidy A, **Al Attas O.S.**, Al Dagheri NM. Plasma α and β tocopherol levels during pregnancy in women with GDM and women at high risk of developing GDM. Med Sci Res 23;171-174(1995).
- 27) Al-Hazzaa H, Sulaiman M, Al-Mobaireek KF, **Al-Attas O.S.** Prevalence of coronary artery disease risk factors in Saudi Children. H of Saudi Heart Assoc. 5;126-133(1993).
- 28) Al-Khames HA, Kandil HA, El-Tahir KEH, **Al-Attas O.S.**, Bayomi SM. Synthesis of certain N-[[4-(1H-Tetrazolo-5-y1) methyl] Benzenesulfonyl]-N'-Substituted Ureas as potential antidiabetic agents. Scientia Pharmaceutical 62;363-372(1994).
- 29) Al-Nuaim A, Al-Rubeaan K, Al Mazrou Y, Khoja T, **Al-Attas O.S.**, Al-Khoja T, Al-Dagheri NM. National Chronic Metabolic Disease Survey (Part I) Ministry of Health and King Saud University, Riyadh Saudi Arabia (1995)
- 30) AL-Nuaim A, Al-Rubeaan K, Al-Mazrou Y, **Al-Attas O.S.**, Al-Dagheri N, Prevalence of hypercholesterolemia in Saudi Arabia Epidemiological study. Int J Card. 54; 41-49(1996).
- 31) AL-Nuaim A, al-Rubeaan K, Al-Mazrou Y, **Al-Attas O.S.**, Al-Dagheri N, Serum total, fractionated cholesterol concentration and prevalence of overweight and obesity in Saudi Arabia. Int. J. Obesity. 20; 457-552(1996).
- 32) Al-Nuaim A, Al-Rubeaan K, AlMazrou Y, Khoja T, **Al-Attas O.S.**, Al-Dagheri NM. Prevalence of Diabetes Mellitus, Obesity and Hypercholesteremia in Saudi Arabia. In "Diet-Related Non-Communicable Disease in the Arab Countries of the Gulf" Edited by Musaiger A, and Miladi S. Book published by FOA Regional office Near East. 73-81 (1996).
- 33) **Al-Attas O.S.**, Al-Nuaim A, Sulimani R, Al-Dagheri N, Al-mazrou Y, Farag M. Iodine deficiency in Saudi Arabia. In proceeding of workshop on prevention and control of micronutrient deficiencies in the Arab Gulf Cooperation Council Countries. (Kuwait, 30 June-2 July 1996) 55-65.
- 34) **O.S.Al-Attas** Al-Nuaim A . Al-Herbish A . (1996a) . The pattern of growth and obesity in Saudi Arabian male school children. Int. J. obese. 20:1000-1005.
- 35) Abdul Rahman Al-Nuaim, MB,FACP, Khalid Al-Rubeaan , MB,FRCP(C), Yagob Al-Mazrou,MB,PhD, **Al-Attas O.S,PhD**, Al-daghri NM,MSc. Tawfik Khoja , MB, MRCPG ,High prevalence of overweight and obesity in Saudi Arabia, Int J. Obesity .20;457-552 (1996).
- 36) AL-Nuaim A, Al-Rubeaan K, Al-Mazrou Y, **Al-Attas O.S.**, Al-Dagheri N, Serum Total, fractionated cholesterol concentration and prevalence of hypercholesterolemia in Saudi Arabia, regional variation. Ann. Saudi Medicine. 17;197-184(1997).
- 37) AL-Nuaim A, Al-Rubeaan K, Al-Mazrou Y, **Al-Attas O.S.**, Al-Dagheri N, khoja. T. (1997b) Population-based epidemiological study on characteristics of risk factors of hypercholesterolemia in Saudi Arabia . Int. J. Cardiol. 31-47-54.
- 38) AL-Nuaim A, Al-Rubeaan K, Al-Mazrou Y, Kamel, **Al-Attas O.S.**, Al-Dagheri N, Iodine deficiency in Saudi Arabia. Accepted for publication in Ann. Saudi Medicine(1997).
- 39) Αλ-Νυαίμ ΑΡ, Μιρδαδ Σ, Αλ-Ρυβεααν Κ, Αλ-Μαζρου Ψ, ΑΙ - Αττας Ο, Αλ-Δαγηάρι Ν. *Pattern and factors associated with glycemic control of Saudi diabetic patients. Ann Saudi Med.* 1998 Μαρ-Απρ;18(2):109-12.
- 40) AL-Nuaim A. Al-Rubeaan K. Al-Mazrou Y, **Al-Attas O.S.**, Khoja T, Al-Dagheri. National Chronic Metabolic diseases survey (part II). Ministry of Health and King Saud University Riyadh-Saudi Arabia (1997).

- 41) **Al-Attas O.S.**, Micronutrients in Saudi Arabia A Review Presented in "Workshop on Micronutrients and Diet-Related Chronic Diseases in the Arab Gulf Countries (1999)
- 42) **Al-Attas O.S.**, Science Curriculum for Development in the Next Millennium. Presented at Science for the Twenty-first Century A New Commitment. Budapest Hungary (1999).
- 43) Alsaif MA, Lei KY, and **Al-Attas O.S.** (2000). Comparison between adult Saudi diagnosed and undiagnosed diabetics. *FASEB J.* 14:A522.
- 44) Alsaif MA, Hakim IA, Harris RB, Aloud AA, Lei KY, **Al-Attas O.S.**(2001). Prevalence and risk factors of obesity and overweight in adult Saudi population. *FASEB J.* 16:A342.
- 45) Alsaif MA, Hakim IA, Harris RB, Aloud AA, Lei KY, **Al-Attas O.S.**(2001). Prevalence and risk factors of Non-Insulin Dependent Diabetes Mellitus in Saudi adults. Congress of Epidemiology 2001 (Abst.). *American Journal of Epidemiology (Supp.)* PP. S51, Vol. 153(11),June 1,2001.
- 46) Hakim IA, Alsaif MA, Aloud AA, **Al-Attas O.S.**(2001). **Cross sectional study of the effect of drinking black tea on cardiovascular disease among Saudi Women.** Congress of Epidemiology 2001 (Abst.). *American Journal of Epidemiology (Supp.)* PP. S270, Vol. 153(11),June 1,2001.
- 47) **O.S.Al-Attas** K.A. Al-Rubeaan Alsaif. Factor associated with non-insulin dependent diabetes mellitus among representative of sample of Saudi adults. The 8th congress of Asia Association of Endocrine Surgeons, April 2002 Seoul Korea .
- 48) Al-Nozah M, Al-Daghri N, Bartlett WA, **Al-Attas O.S**, Al-Maatouq M, Martin SC, Kumar S, Jones AF. Serum homocysteine concentration is related to diabetes mellitus but not to coronary heart disease in Saudi Arabia. *Diabetes Obes Metab* 2002 Mar;4(2):118-23.
- 49) Mohammed A, Alsaif^{a,*}, Iman A. Hakim^b, Robin B, Harris^c, Mansour Alduwaihy^d, Khalid Al-Rubeaan^d, Abdul Rahman Al-Nuaim^d, **Omar S. Al-Attas^d**. Prevalence and risk factors of obesity and overweight in adult Saudi population. 2002 Elsevier Science ,22:(1243-1252).
- 50) Abu El-Asrar AM, Abdel Gader AG, Al-Amro SA, **Al-Attas OS**. *Hyperhomocysteinemia and retinal vascular occlusive disease.* *Eur J Ophthalmol.* 2002 Nov-Dec;12(6):495-500.
- 51) Hakim IA, Alsaif MA , Alduwaihy M, Al-Rubeaan K, Al-Nuaim AR, **Al-Attas OS**. Tea consumption and the prevalence of coronary heart diseases in Saudi adults: results from a Saudi national study. *Prev. Med.* 2003 36 (1) : 64-70).
- 52) Iman A. Hakima^{*}, Mohammed A. Alsaif^b, Amal Aloud^b, Mansour Alduwaihy^c, Khalid Al-Rubeaan^c, Abdul Rahman Al-Nuaim^c, **Omar S. Al-Attas**. Black tea consumption and serum lipid profiles in Saudi women: a cross-sectional study in Saudi Arabia. *Nutrition Research* 23 (2003) 1515–1526.
- 53) Al-Daghri N, **Al-Attas O.S**, Patel A, Belyaev ND, Bartlett WA, Jones AF, Kumar S, Bain SC. Association between Taq IB cholesterol ester transfer protein polymorphism and low HDL cholesterol concentration in Saudis. *Clinical Science* 2003. 105(4) 467-472.
- 54) Al-Daghri N, K Al-Rubeaan , WA Bartlett, **Al-Attas O.S**, AF Jones, S Kumar. Serum leptin is elevated in Saudi Arabian patients with metabolic syndrome and coronary artery disease. *Diabetic Medicine* 2003 Oct. 20(10) 832-837.
<http://www.blackwell-synergy.com/doi/abs/10.1046/j.1464-5491.2003.01044.x>
- 55) N. Al-Daghri¹, R. Chetty², P.G. McTernan⁴, K. Al-Rubeaan³, **O. Al-Attas¹**, A.F. Jones², and S. Kumar⁴. Serum Resistin is associated with C-reactive protein in Type 2 diabetes and population. *Medmond S.r.l.*, Aug. 31- Sep. 4,2004 (673-681).
- 56) Al-Nozha MM, Al-Maatouq MA, Al-Mazrou YY, Al-Harhi SS, Arafah MR, Khalil MZ, Khan NB, Al-Khadra A, Al-Marzouki K, Nouh MS, Abdullah M, **Attas O**, Al-Shahid MS, Al-Mobeireek A. Diabetes mellitus in Saudi Arabia. *Saudi Med J.* 2004 Nov;25(11):1603-10.
- 57) **Al-Attas O**, Al-Daghri N, K Al-Rubeaan, Bartlett WA, Martin SC, Kumar S, Jones AF. Fasting Plasma Homocysteine concentration is Higher in Elderly People and Associated with Glucose in the Metabolic Syndrome. Biochemistry department, College of Science, King Saud University, Riyadh, Saudi Arabia , April 2006.
- 58) **Al-Attas O**, Al-Daghri N. Plasma resistin and leptin levels in male and female normal subjects: correlations with fat mobilization. Biochemistry department, College of Science, King Saud University, Riyadh, Saudi Arabia , June 2006.
- 59) Al-Daghri NM, **Al-Attas OS**, Al-Rubeaan K. The atherogenic and metabolic impact on non-HDL cholesterol versus other lipid subcomponents among non-diabetic and diabetic Saudis. *Lipids Health Dis* 2007; 6(1):9

- 60) Al-Daghri NM, **Al-Attas O**, Al-Rubeaan K, Mahieldin M, Al-Katari M, Jones AF, Kumar S. Serum leptin and its relation to anthropometric measures of obesity in pre-diabetic Saudis. *Cardiovasc Diabetol* 2007; 6:18.
- 61) Al-Daghri NM, **Al-Attas O**, Al-Rubeaan K, Sallam R. Adipocytokine profile of type 2 diabetics in metabolic syndrome as defined by various criteria. *Diabet Metab Res Rev* 2008; 24(1): 52-8..
- 62) Al-Daghri NM, **Al-Attas O**. Homocysteinemia, hypertension and family history of diabetes in a smoking Saudi male population. *CEJMed* 2008; [on-line first]
- 63) NM. Al-Daghri, Ph.D, **OS. Al-Attas**, Ph.D, M Al-Onazi Ph.D, K Al-Rubeaan, MD, Ph.D, H Al-Najjar. Correlation of serum adipocytokines to family history of Diabetes Mellitus and smoking history in healthy subjects. *Clinical Biochemistry* 2007.

B . BOOKS □

1. **By designation of the General Foundation of Technical Education and Training this book was accomplished (1988).**
 - ✓ **Al-Attas O.S.** al-Jaafari AA, al-Nasser IA. *Biochemistry for Health Control in Arabic.*
2. **By designation of the General Directorate of health Colleges and Institute, ministry of Health (1991).**
 - ✓ Sedrani SH, **Al-Attas O.S.** *Principles of Biochemistry 2nd Level, Laboratory Section .*

PART - 4

PARTICIPATION IN CONFERENCES, SYMPOSIA AND OTHER ACTIVITIES

PARTICIPATION IN CONFERENCES AND SYMPOSIA:

A) CONFERENCES: □

- 1) **Meeting of European Association for study of Diabetes (EASD)**
Whittaker J, Hammond V, Al-Attas O.S., Alberti KGMM, Insulin interaction with hepatocytes: Evidence for ligand stimulated acceleration pinocytosis., Amsterdam. 1982.
□
- 2) **British Diabetic Association (BDA) Meeting**
Al-Attas O.S., Taylor R, whittaker JA. Comparison of methods for the preparation of purified insulin receptor., Dublin 1982.
□
- 3) **The 2nd National Meeting of Chemists**
Al-Attas O.S.; Insulin receptor and insulin action., King Saud University . Riyadh, 1987.
- 4) **The 2nd National Meeting of Chemists**
Al-Attas O.S., Laajam MA, Khan Ms, Al-Drees AZ Salman H. beta cell function in newly diagnosed Saudi diabetic patients., King Saud University. Riyadh 1987.
□
- 5) **International conference on Medical Science kwait 1990.**
A-Al-Attas O.S., Laajam MA, Khan MS, Al-Drees AZ, Vigo N. Residual beta function in newly diagnosed diabetic patient in Saudi Arabia.

B-Al-Okail M.S., Al-Attas O.S., Vigo NT; Characterization of insulin receptor interaction in Saudi diabetic pregnancy.

C-Laajam MA, Jim LK, El Bolbol, Bashi SA, Al-Khayal LA, Al-Attas O.S., Sulimani RA, Guar gum in non-insulin dependent diabetic patients mellitus: A double blind crossover placebo control trail in Saudi Arabian patients.
- 6) **The 1st Arab-African Conference on Clinical Biochemistry – Syria 1994 □**
Al-Attas O.S., Al Taib, Al-Nuaim A, Al-Okail, Al Dagheri NM, Vigo N, Bukoir A, Khan T, Marie ME, Hassonah H. Prospective study on the etiology of gestational diabetes mellitus.
- 7) **The 1st international workshop on Gestational Diabetes in GCC countries – Riyadh , K.S.A 1995 □**
Al-Attas O.S., Effect of Some A Etiological Factors on insulin Target sensitivity in GDM and women high risk of developing it.

□

- 8) **The 11th Asian conference on Endocrinology-Seul, Korea 1998**
Al-Attas O.S., Effect of Pregnancy on Insulin Receptor Binding in Gestational diabetes Mellitus.
- 9) **The 15th International meeting on chemistry Education-Cairo, Egypt 1999** □
A-Al-Attas O.S., al Nuaim A, Al Rubeaan K, Al Dagheri NM. Clinical biochemistry role in diabetes mellitus in Saudi Arabia.
B-Al Dagheri NM, **Al-Attas O.S.**, Al Nuaim A, Sulimani R. Iodine determination in urine, water and Arabic staple foods: A comparative evaluation of iodine selective electrode, Calorimetric and HPLC methods.
- 10) **The 3rd International Meeting on Diabetes Mellitus in west pasific countries – Hong Kong 1997** □
Al-Attas O.S., Al-Dagheri, effect of some etiological factors on insulin target sensitivity in GDM and women at risk of development it.
- 11) **The 1st International Congress on “PREDIA ETES’ and The Metabolic Syndrome – Berlin- Germany 2005.**
Al-Attas O¹, Al-Daghri N¹, Al-Rubian K¹, Kumar S², Jones AF². Homocystein levels in Saudis with Impaired Glucose Tolerance Test and Diabetes Mellitus
- 12) **The 4th Asian Congress of Dietetics – Manila- Philippine 2006.**
Al-Attas O, Al-Daghri N, K Al-Rubeaan, Bartlett WA, Martin SC, Kumar S, Jones AF. Fasting Plasma Homocysteine concentration is Higher in Elderly People and Associated with Glucose in the Metabolic Syndrome.
- 13) **The 15th European Congress on Obesity – Budapest – Hungary 2007.**
Al-Attas Omar. Adipocytokine profile in metabolic syndrome as by various criteria.
- 14) **2nd International Conference on Pre-diabetes and Metabolic Syndrome 2007, Barcelona Spain.****Al-Attas OS. And Al-Daghri NM**. The association between adipocytokine profiles and insulin resistance in obese Saudi subjects,
- 15) **1st International Conference on Advanced Technologies and Treatments for Diabetes. Prague, Czech Republic- 27/Feb-1/Mar/2008.**

B) SYMPOSIUMS

- 1) **The 2nd International Symposium on Insulin Action and Insulin Receptor – Rome, Italy 1983** □

Al-Attas O.S., Taylor R, Whittaker J, Aberti KGMM, Cooperative and non-cooperative insulin binding sites in rat liver membranes.

- 2) **Symposium on Diabetes Mellitus – Riyadh, K.S.A 1986** □
Laajam MA, **Al-Attas O.S.**, Khan MS, Al Drees AZ. Clinical characteristics and C-peptide status in 200 newly diagnosed Saudi diabetics

- 3) **The 2nd Symposium on Gestational Diabetes International, Prince Salman Bin Abdulaziz Hospital – Riyadh, K.S.A- Nov. 1993** □
Al-Attas O.S., Al Taib, Al Nuaim A, Al Okail M, Al Dagheri NM, Vigo N, Bukair A, Khoga T, Marie M, Hassonah M. prospective study on the etiology of gestational diabetes mellitus. □

- 4) **The 2nd and 3rd Diabetes Education Course , January 1995**
Diabetic Center, College of Medicine , King Abdulaziz University Hospital,Riyadh , Saudi Arabia
Al-Attas O.S., Monitoring diabetes patients part III venous blood testing, HbA1c and frucosamine.

- 5) **International Symposium – diabetes in pregnancy in Arab Gulf Countries , King Fahad Hospital –National Guard 1995**
Effect of some a Etiological Factors on Insulin Target Sensitivity in GDM and women at high risk of developity it.

- 6) **The 11th Asia – Oceania Congress of endocrinology – Seoul, Korea 1998**
Al-Attas O.S., Effect of pregnancy on insulin receptor binding in gestationanl diabetes mellitus.

- 7) **The 15th meeting for Chemistry Education**
(Aen shams University – Cairo, Egypt 1998)

- 8) **The 21th symposium of the federation of the inernational donau-symposia of diabetes mellitus. Riga- Latvia-2006.**
Al-Attas O. Al-Daghri N. Plasma resistin and leptin levels in male and female normal subjects:correlations with fat mobilization

C) OTHER ACTIVITIES:

A- COMMITTES:

- 1) Member of the Curriculum and Extra-Curricular Committee in the department of Biochemistry , 1984-1988.
- 2) Convenor of the Istruments and Materials Committee in the Department of Biochemistry , 1987-1988.

- 3) Member of the Evaluation and Annual Report Committee in Department of Biochemistry ,1987-1988.
- 4) Member of the Committee for Managing the Affairs of Demonstrators and Distinguished Students in the Department of Biochemistry , 1988 to date .
- 5) Member of the Academic Supervision Committee in the College of Science, 1987.
- 6) Member of the Instruments and Materials Committee in the College of Science , 1986-1994.
- 7) Member of the Executive Committee for the Second National Meeting of Chemists, King Saud University,1987.
- 8) Convenor of the Publicity Committee for Second National Meeting of Chemists, King Saud University,1987.
- 9) Leader of the Social Activities Committees, College of Science , King Saud University,1988-1989.
- 10) Convenor of the Instruments and Materials Committee in the Department of Biochemistry, 1990-1993.
- 11) Convenor of the higher Studies Committee in the College of Science, 1996-1998.
- 12) Member of Scientific Programmes Committee in College of Applied Studies, 2000-2002.
- 13) Member of cooperative Education Committee in the University , 2003.
- 14) Member in the Committee for Saudies Substitution in the University , 2000 to date.
- 15) Member in the Committee for preparing the 8th Development Plan in the University during (2025-2030), 2004- to date.

B- COUNCILS:

- 1) Member in the College of Science Board ,(1985-1986),(1988-1990),(2001- 2007).
- 2) Member in the Editorial Board of the International Diabetes Digest, 1994 to date.
- 3) Member in the Higher Studies Board of the University (1996-1998).
- 4) Member in Saudi Chemical Society, 1997 to date.
- 5) Editor in Chief of Chemistry Education Journal,(1997 -1998).
- 6) Member in University Board, (2001- 2007).

C: PROFESSIONAL SOCIETIES:

- 1) Member of the European Association for the Study of Diabetes, 1982 to date.
- 2) Member of the Saudi Biological Society, 1984 to date.
- 3) Member of the American Diabetes Association, (1992 -2000).
- 4) Member of the International Diabetes Federation, 1993 to date.

PART - 5

Taught the following courses at King Saud University (1984 to date) □

*Course in the old curriculum

#			
1	BCH	101	General Biochemistry
2	BCH	211	Biomolecules
3	BCH	275	Blood Biochemistry
4	BCH*	300	Introduction to Biochemistry
5	BCH	301	Introduction to Biochemistry (for agriculture students)
6	BCH	302	General Biochemistry (for education students)
7	BCH*	331	Microanalysis of Biochemistry Compounds
8	BCH	343	Carbohydrate Metabolism
9	BCH	435	Biochemical Technique
10	BCH	443	Biochemistry of Specialized Tissues
11	BCH*	449	Immunochemistry
12	BCH	444	Immunochemistry
13	BCH	451	Disorders of Metabolism
14	BCH*	465	Disorders of Metabolism
15	BCH	358	Hormones
16	BCH*	470	Tissue Chemistry and biological Fluids
17	BCH	498	Research Project I
18	BCH*	499	Research and Seminar
19	BCH	499	Research Project II
20	BCH	540	Advance Studies on Regulation of Metabolism (M.Sc.)
21	BCH	560	Biochemistry of Endocrine Glands (M.Sc.)
22	BCH	577	Biochemistry of Blood (M.Sc.)
23	BCH	600	M.Sc. Thesis
24	ZOO	600	M.Sc. Thesis

PART - 6

(UNIVERSITY & COMMUNITY SERVICES)

- 1) Referee for proceeding of the 2nd National meeting of Chemists, King Saud University 1988.
- 2) Referee for research projects submitted to King Abdulaziz for Science and Technology 1985-1992 .
- 3) Referee for research projects submitted to the Research Center, King Abdulaziz University 1988-1997.
- 4) Participated in the Chemistry & Biology training course for Secondary School teachers 1984-1985.
- 5) Participated in the course for the Diabetic Educators, King Abdulaziz Hospital 1994-1995.
- 6) Affect of Induced Diabetes Mellitus on Embryo Implantation and Pregnancy in Rabbits.
- 7) Supervisor or Co-supervisor* in the following M.Sc. thesis projects:
 - 1- The molecular basis of insulin-receptor interaction in Saudi diabetic pregnancy women (Biochemistry 1990).
 - 2- The relationship between diabetogenic factors and insulin receptor status in Saudi gestational diabetes (Biochemistry 1992).
 - 3- A study on the lipid composition of the uterine fluids during the normal time of Embryo Implantation in rabbits (Zoology-1995)*.
 - 4- Determination of nitric oxide in gestational human placenta (Biochemistry 1997).
 - 5- Studying of risk factor in coronary artery disease (Biochemistry 1998).
 - 6- Effect of induced diabetes mellitus on Embryo Implantation pregnancy in Rabbits (Zoology-1999)*.
 - 7- Factor V gene mutation in Patients with deep vien thrombosis (Biochemistry 2004).
 - 8- Evaluation of Zinc Protoporphyrin (ZPP) as diagnostic tool the diagnosis of Iron deficiency anemia on peripartum women (Biochemistry 2004).
- 8) Reviewer for the following M.Sc. thesis examination:**
 - 1- Effect of expermental liver damage on some physiological parameters in rats (Zoology-1991).
 - 2- Studies on gamma-crystalline from camel eye lens (Biochemistry 1992).
 - 3- A histochemical study on lipids in the rabbit the normal time of implantation (Biochemistry 1995).
 - 4- Laboratory study of microbial cleaning of oil spilled in marine and terrestrial areas: Application in Saudi Arabia (Biochemistry 1995).
 - 5- Four parameters for measuring of the toxicity endotoxins (Microbiology 1996).
 - 6- Effect of the ophyline on plasma and urine total free and acylcarnitine concentration in rats (Biochemistry 1996).

- 7- A study of some causes of coronary heart disease in diabetic patients by molecular Biology Methods (Biochemistry 2000).
- 8- Levels of Plasma Leptin, lipids, and Insulin in pre- and postmenopausal females (Biochemistry 2003).
- 9- Effect of Mercuric Chloride on the urinary excretion of total, free and Acyle Carnitine in rats (Biochemistry 2004).
- 10- Modification of a method for derermining microgram quantities of some elements in Infant Cereal with Milk By Atomic Absorption Spectroscopy (Chemistry 2004).
- 11- Resistin Gene as Putative link between type 2 diabetes mellitus and obesity in Saudi patients (Biochemistry 2004).

9) Reviewer for the following Ph.D thesis examination:

- 1- Surviellance and in- vitro cell response to *chlamydia pneumoniae* infection (Botany and Microbiology 2004).
- 2- Study the biochemical therapeutic effects of some common plants on liver cancer. (Girl's College Presidency Agency, Girl's College of Education in Jeddah 2005)

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