

Mohammed Osman Hassan

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**Medical Director, Canadian Health Centre
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Certificates: MB. BS. University of Khartoum 1969, Ph.D. Glasgow University, 1975, FRCP (Glasg) 2001. Clinical Polysomnography (Sleep Medicine) 2005 Atlanta School of sleep Medicine

Nationality: Canadian

Fields of interest: Hypertension, ambulatory BP, autonomic function and sleep medicine. Genetics of blood pressure regulation. Heart rate variability with signal processing in medical practice .

Professional Experience:

1969-1970 House Officer, Medicine, Surgery, Obstetrics and Gynecology and Paediatrics. Khartoum Teaching Hospital,

1970-1971 Demonstrator, Department of Physiology, University of Khartoum

1972-1975 PhD, WHO Scholarship

The role of adenosine triphosphate in vasodilation of exercising frog skeletal muscle.

1975-1976 Registrar in Cardiology, Harrogate General Hospital, Harrogate, Yorkshire, UK

1977-1981 Post-doctoral Fellowship.

A British Medical Research Council grant (MRC), Department of Cardiovascular Medicine, University of Oxford; Applications of 24-hour intra-arterial blood pressure in the study of baroreceptor sensitivity, laboratory stress and mechanisms of actions of cardio- selective and non-selective Beta Blockers in hypertension.

1981-1988: Assistant Professor and Head Department of Physiology, Faculty of Medicine, King Abdul Aziz University, Saudi Arabia. In addition to curriculum design, the job extended to establishing a new Clinical Physiology unit at the University Hospital.

1988- 2016: Associate then **Professor of Physiology** at the College of Medicine & Health Sciences, Sultan Qaboos University: Head of Department for 6 years. Besides academic duties I helped to establish and supervise a modern Department of Clinical Physiology which provides Physiological measurements services to the University Hospital and other Hospitals in Oman:

Administrative Experience:

1. Member of College Board. College of Medicine and Health Sciences. 2003- 2009.
2. Member of the Strategic Planning Committee 2003-2014,
3. Member Sultan Qaboos University Hospital Medical Advisory Committee (MAC) 2003- 2009.
4. Chair of the committee for designing the new Bachelor degree in Biomedical engineering, Sultan Qaboos University
5. University promotions' grievances committee, Sultan Qaboos University
6. Member of Departmental Curriculum committee
7. Member of Departmental Promotions committee
8. Member of Department Postgraduate education committee
9. Coordinator of the new Integrated Phase II curriculum of the Cardiovascular Respiratory and Nervous systems
10. Elected Fellow of The World Academy of Sciences (TWAS):
11. Member of Alexandria Regional Office (ARO) of TWAS
12. Member of C.N.R. Rao and Atta-ur-Rahman prizes committee
13. Responsible for TWAS funding of small research projects for the least developed countries in East Africa
14. Evaluator for senior academic promotions for various universities like: King Saud University, King Faisal University, and Um Al Qura University, Saudi Arabia.
15. Underrate examiner in Physiology for several Sudanese universities as well Kuwait and Bahrain universities.

International Awards

2000 **Al Nahyan scientific award for the best research.** Pan Arab Hypertension conference, Abu Dhabi, UAE

2001 **Awarded the fellowship (FRCP)** of the Royal College of Physicians and Surgeons of Glasgow

2004 **Awarded the TWAS (The World Academy of Sciences)** fellowship Scientific Award of the Association of Developing countries, Trieste, Italy.

Academic Experience:

Undergraduate teaching: All teaching and examinations are Web-based using the Moodle program.

1. Co-ordinated and taught all the cardiovascular modules of the old (classical) and new (integrated) curricula.
2. Muscle Physiology
3. Cellular communication
4. Respiratory and Exercise physiology

5. Gastrointestinal physiology
6. Endocrine physiology
7. Integrated modules of basic and clinical sciences
8. Pathophysiology for allied health sciences
9. Neurophysiology
10. Practical sessions: designed and upgraded practical teaching with the introduction of the Biopac and recently the ADI instruments systems

Postgraduate supervision:

PhD Students:

1. Deepali Jaju, - 2010- Oman
- 2 Sawsan Al-Sinani 2014-Oman
3. Muñoz Venegas L 2016, Oman, Holland
4. Fathi Mansoor 2016, Oman
5. Najma Al-Kharusi (Ongoing. Baylor/Oman)
6. Ibtisam Al-Lawati, 2017, Oman

Master Students:

1. Fatma Al-Hinai-Oman
2. Bader Al Ghunaimi Oman
3. Bushra Al-Salimi Oman
4. Farhat Al Naabi Oman:
5. Alaa Barohom Jordan
6. Haitham Ahmed Sudan
7. Tariq Al-Saadi Oman

Clinical Services:

- Sleep studies, Polysomnography: 4 hospital units and 4 portable home units
- Sleep fragmentation using home Actigraphy.
- Laser Doppler flowmeter as well as conventional Doppler for peripheral vascular evaluation in diabetics
- 24 Hour blood pressure, ECG (Holter) and EEG Monitoring as ambulatory diagnostic services.
- EMG and nerve evoked potentials
- Auditory and visual evoked potentials
- Audiometry unit
- Autonomic Function Unit. For the diagnosis and follow up of patients with syncope, diabetes and autonomic dysfunction using Impedance Cardiography
- Pulmonary function tests including gas transfer and provocation tests.
- Cardiopulmonary stress testing: for patients and Athletes' fitness.
- Allergy testing unit
- Anodyne therapy for diabetic vascular impairment (Just introduced)

Research

Post-doctoral Fellowship, 1977 – 1979. A **British Medical Research Council grant (MRC)**, Registrar in Cardiology, Department of Cardiovascular Medicine, University of Oxford; Studies of **intra-arterial 24 hours blood pressure, baroreflex** sensitivity, pathophysiology and treatment of hypertension.

Ongoing Research 2001 to date:

Principal Investigator of “Oman Family Study”: The study the genetics of hypertension, obesity, diabetes and the dyslipidemias, in large Arab pedigrees.

Co-investigator in SQU and Oman Reseach Council (TRC) funded projects

- The effects of exercise on the down regulation BKca channels and on angiogenesis of coronary arteries of elderly rats.
- The use of Sub-band decomposition of heart rate variability in the prediction of complications in post-CABG patients and in patients with heart failure
- The genetics of cardiometabolic disorders among Omani Arabs
- Sleep Patterns and cardiometabolic disorders in Omanis
- Sleep apnea and hemodynamic and autonomic profiles in patients undergoing coronary artery by-pass (CBAG)

University funded projects:

Principal investigator:

Strategic project funded by his Majesty’ Trust Fund

1. The National intervention clinical trial and the mapping of genes “Oman Family Study” Grant # SR/MED/PHYS/01/01. (SR: Strategic project **720,000 USD**)

2. Hypertension and the Metabolic Syndrome in Oman Intervention Clinical Trial and Mapping of Genes” Oman Family Study. SR/MED/PHYS/04/01. **302,000.USD**

SQU Grants as Principle Investigator

1. Physical fitness in Omani Youths aged 15-16 years. Grant # IG/MED/PHYS/99/01. **64,000 USD**

Haemodynamic and Autonomic function in Preeclampsia in Oman. Grant # IG/MED/PHYS/05/03.

15,000 USD

3. The role of consanguineous marriage in the in the transmission of hypertension in Omanis. Grant # IG/MED/PHYS/01.

4. Acute effects of Hibiscus sabdariffa on hemodynamics, autonomic parameters and arterial stiffness indices in normal Omani subjects Grant # IG/MED/DEAN/PHYS/2015

Research Projects as Co-investigator:

1. The effect of exercise and angiotensin-converting enzyme inhibition on cardiac parameters in left ventricular hypertrophy. Grant # IG/MED/PHYS/01/01.

2. Role of Cerebrovascular Potassium Channels in Hypertension. Grant # IG MED/PHYS/01/02.

3. Aging, Exercise Training and Potassium Channel Remodeling: Role of Coronary Ca²⁺-activated K⁺ Channels. Grant # IG/MED/PHYS/05/02

4. The clinical and genetic characterization of type 2 diabetes mellitus among Omanis". TRC Project- "RC/MED/BIOC/10/01

5. The genetics of cardiometabolic disorders among Arabs of "Oman Family Study" TRC - "RC/MED/Gent/14/01: 2014

6. Sleep Patterns and cardiometabolic disorders in Omanis RC/MED/PHYS/15/02: 2015

7. Sleep apnea and hemodynamic and autonomic profiles in patients undergoing CABG: A longitudinal study # IG/MED/DEAN/14/01

Externally funded projects and collaborations:

1. Genotyping of Oman Family Study Marshfield: NHLBI (National Institute of Health NIH) Grant

2. INTERHEART International and INTERHEART Middle East- Funded by University of McMaster, Canada

3. Exome sequencing for Oman Family Study: Funded by Baylor College of Medicine

4. Heart Rate Variability in Oman Family Study: Funded by the University Medical Centre. Groningen (UMCG), the Netherlands (ongoing) .Accepted paper attached

Publications

1. **Meta-analysis**; of Genetic loci associated with heart rate variability and their effects on cardiac disease risk with Oman Family study project : **Nature communications**. August 2017
2. Sawsan Al-Sinani, Nicolas Woodhouse, Ali Al-Mamari, Omaina Al-Shafie, Mohammed Al-Shafae, Said Al-Yahyaee, **Mohammed Hassan**, Deepali Jaju, Khamis Al-Hashmi, Mohammed Al-Abri, Khalid Al-Rassadi, Syed Rizvi, Yengo Loic, Philippe Froguel, and Riad Bayoumi. Association of gene variants with susceptibility to type 2 diabetes among Omanis. *World J Diabetes*. 2015 Mar 15; 6(2): 358–366.
3. Sawsan Al-Sinani,^{1,*} Ali Al-Mamari,² Nicolas Woodhouse,² Omaiyma Al-Shafie,² Fatima Amar,² Mohammed Al-Shafae,³ **Mohammed Hassan**,⁴ and Riad Bayoumi¹ Quality of Diabetes Care at Outpatient Clinic, Sultan Qaboos University Hospital, *Oman Med J*. 2015 Jan; 30(1): 48–54.1.
4. Al-Riyami N, Al-Rassadi K, Al-Waili K, Albarwani S, **Hassan MO**, Al-Yahyaee S, Rizvi S, Bayoumi R. The effect of residing altitude on levels of high density lipoprotein cholesterol: A pilot study from the Omani Arab population. *Angiology* 2014 Jul 29. pii: 0003319714544355. [Epub ahead of print].
5. Al-Sinani S, **Hassan MO**, Zadjali F, Al-Yahyaee S, Albarwani S, Rizvi S, Jaju D, Comuzzie A, Voruganti V, Bayoumi R. Utility of Large Consanguineous Family-Based Model for Investigating the Genetics of Type 2 Diabetes Mellitus; *Gene* 2014; 548(1):22-8.
6. Gehani AA, Al-Hinai AT, Zubaid M, Almahmeed W, Hasani MR, Yusufali AH, **Hassan MO**, Lewis BS, Islam S, Rangarajan S, Yusuf S; INTERHEART Investigators in Middle East. Association of risk factors with acute myocardial infarction in Middle Eastern countries: the INTERHEART Middle East study. *Eur J Prev Cardiol* 2014; 21(4): 400-10.
7. Albarwani S, Loretto Muñoz M, Voruganti S, Jaju D, Al-Yahyaee S, Rizvi SG, Lopez-Alvarenga JC, Al-Anqoudi Z, Bayoumi RA, Comuzzie AG, Snieder H, **Hassan MO**. Heritability of Ambulatory and Beat-to-Beat Office Blood Pressure in Large Multigenerational Arab Pedigrees: The “Oman Family Study”. *Twin Res & Hum Genet*. 2012; 15(6):753-8.
8. Zadjali F, Al-Yahyaee S, **Hassan MO**, Albarwani S, Bayoumi RA. Association of diponectin promoter variants with traits and clusters of metabolic syndrome in Arabs: family-based study. *Gene* 2013; 527(2):663-9.

9. Al-Sinani S, Al-Shafae M, Al-Mamari A, Woodhouse N, Al-Shafie O, **Hassan MO**, Al-Yahyaee S, Albarwani S, Jaju D, Al-Hashmi K, Al-Abri M, Rizvi S, Bayoumi R. Familial clustering of type 2 diabetes among Omanis. *Oman Medical Journal*. 2014; 29: 51-54.
10. Al-Sinani S, **Hassan MO**, Al-Yahyaee S. Albarwani S, Rizwi S, Jaju D, Comuzzie AG, Voruganti VS , Bayoumi RA: Association of Common Gene Variants with Susceptibility
11. Type 2 Diabetes Mellitus in a Large Consanguineous Omani Pedigree: Oman Family Study. *Sultan Qaboos Univ Med J* 2014; 14(2):e183-9.
12. Albarwani S, Al-Siyabi, S, Baomar H and **Hassan MO**. Exercise Training attenuates ageing-induced BKCa channel down-regulation in rat coronary arteries. *Experimental Physiology* 2010; 95(6):746-55.
13. Al-Hashmi K, Al-Abri M, Al-Zakwani I, Al-Waili K, Al-Rasadi K, Al-Sabti H, **Hassan MO**. Reference values for arterial stiffness indices in Omani Arab Population. *Saudi Med J* 2014; 35(11):1367-72.
14. Ghunaimi AB, Hossen A and **Hassan MO**. Statistical signal characterization for congestive heart failure patient's classification. *Technology and Health Care* 2006; 14: 29-45.
15. Al-Abri MA, Al-Hashmi KM, Jaju D, Al-Rawas OA, Al-Riyami BM, **Hassan M O**. Gender difference in relationship of apnoea/hypopnoea index with body mass index and age in Omani population. *SQUMJ* 2011;11: 363-368.
16. Al Kharusi L, Waly MI, **Hassan MO**, Guizani N, Al Naabi F, Ali A. Depression and low serum levels of docosahexaenoic acid (DHA) are associated with increasing number of pregnancies among postpartum Omani Women. *Canadian Journal of Applied Sciences*; 2011; 1(3): 144-152.
17. Hossen A, Al Ghunaimi B, **Hassan MO**. The Importance of the Very Low Frequency Power of Heart Rate Variability in Screening of Patients with Obstructive Sleep Apnea. *IEEE Malaysia PEI/IE/IA Joint Chapter 3*: October 2011.
18. Al-Abri MA, Al-Hashmi KM, Jaju D, Al-Rawas OA, Al-Riyami BM, **Hassan MO**. An audit of the sleep medicine service in Oman. *Saudi Med J* 2008; 29 (11):1621-4.
19. Al Rawas O, Al-Riyami B, Goddard C, **Hassan MO**. Screening of Patients with Snoring and Obstructive Sleep Apnoea using Heart Rate Variability Indices. *Sultan Qaboos Univ Med J* 2008; 8(1):21-5.
20. **Hassan MO**, Albarwani S, Al Yahyaee S, Al Haddabi S, Rizwi S, Jaffer A, Al-Lawati J, Cai G, Comuzzie AG and Bayoumi RA. Oman Family Study: Large, Consanguineous, Polygamous Omani Arab Pedigrees. A Planned Model for the Study of Complex Diseases. *Community Genetics* 2005; 8:61-64.

21. Bayoumi RA, Al-Yahyaee SAS, Albarwani SA, Rizvi SG, Al-Hadabi S, Al-Ubaidi F, Al-Hinai AT, Al-Kindi MN, Adnan HT, Al-Barwany HS, Comuzzie AG, Cai G, Lopaz-Alvarenga JC , and **Hassan MO**. Heritability of determinants of the metabolic syndrome among healthy Arabs of "Oman Family Study". *Obesity* 2007; 15(3): 551-556.
22. **Hassan MO**, Deepali Jaju, Sulayma Albarwani, Saleh Al-Hadabi, Juan C Lopez-Alvarenga, Syed G Rizvi, Ali T Al-Hinai, Antony G Comuzzie and Riad A Bayoumi. Non-dipping blood pressure in the metabolic syndrome among Arabs of "Oman Family Study". *Obesity* 2007; 15(10): 2445-2453.
23. Albarwani SA, Bayoumi RA, Jaju D, Rizvi S, Al-Yahyaee S, Al-Hadabi S, Lopez-Alvarenga J, Comuzzie A and **Hassan MO**. Differing definition-based prevalence of metabolic syndrome in the women of Oman Family Study: a function of multiparity. *Metab Syndr Relat Disord*. 2008; 6(3):197-202.
24. Lopez-Alvarenga JC, Solís-Herrera C, Kent JW, Jaju D, Albarwani S, Al Yahyaee S, **Hassan MO**, Bayoumi R, Comuzzie AG. Prevalence and heritability of clusters for diagnostic components of metabolic syndrome: the Oman family study. *Metab Syndr Relat Disord*. 2008; 6(2):129-35.
25. Bayoumi RA, Al-Yahyaee S, Albarwani S, Jaju D, Comuzzie A, Lopez-Alvarenga J, **Hassan MO**. Some genetic determinants of Obesity, type 2 diabetes and dyslipidemias in "Oman Family Study". *Genetic Disorders in the Arab World* 2008; Chapter 4 : 68-77.
26. Albarwani S, Al Hashmi K, Al Abri M, Jaju D, Hassan MO. Effects of overweight and leisure- time activities on aerobic fitness in urban and rural Omani adolescents. *Metab Syndr Relat Disord* 2009; 7(4):369-74.
27. **Hassan MO**, Bayoumi RA, Lopez-Alvarenga JC, Snieder H, Jaju D, Al-Yahyaee S, Al-Hadabi S, Comuzzie AG, Albarwani S. Heritability of hemodynamic reactivity to laboratory stressors in a homogenous Arab population: 'Oman family study'. *Twin Res Hum Genet* 2009; 12(6):541-8.
28. **Hassan MO**, Aslani A, Bayoumi RA, Albarwani S, Al-Yahyaee S, Jaju D, Alizadeh BZ, Snieder H, Lopez-Alvarenga JC, Al-Anqoudi ZM, Comuzzie AG. Genome-wide Linkage Analysis of Blood Pressure and Hemodynamic Parameters Under Mental and Physical Stress in Extended Omani Arab Pedigrees; The Oman Family Study. *Twin Res Hum Genet* 2011; 14(3): 257-267.
29. Al-Riyami BM, Al-Rawas OA, **Hassan MO**. Normal spirometric reference values for Omani children and adolescents. *Respirology* 2004; 9(3):387-91.
30. Bayoumi RA, Simsek M, Yahya TM, Bendict S, Al-Hinai A, Al-Barwani H, **Hassan MO**. Insertion-deletion polymorphism in the angiotensin-converting enzyme (ACE) gene among Sudanese, Somalis, Emiratis, and Omanis. *Hum Biol*. 2006; 78: 103-108.

31. Inuwa I, **Hassan MO**, Ziada AM. Left ventricle myocardium volume densities in spontaneously hypertensive rats (SHR) following combination of exercise and ACE inhibitor treatment. A stereological study. *Int. J. Morphol.* 2005; 23(2): 157-162.
32. Hossen A, Al Ghunaimi B and **Hassan MO**. Sub-Band Decomposition Soft decision algorithm for heart rate variability analysis in patients with obstructive sleep apnea and normal controls; **Signal Processing International Journal** 2005; 85:95-106.
33. Ziada AM, **Hassan MO**, Tahlilkar KI and Inuwa IM. Long-term exercise training and angiotensin-converting enzyme inhibition differentially enhance myocardial capillarization in the spontaneously hypertensive rat. *Journal of Hypertension* 2005; 23:1233-1240.
34. **Hassan MO**, Al Kharusi W. Physical fitness and fatness in Omani schoolboys. *Medical Silences* 2000; 2:37-41.
35. **Hassan MO**, W Al Kharusi, A Ziada. Blood pressure and its reactivity in the offspring of first cousin hypertensive and first cousin normotensive parents: a preliminary report. *Journal of Human Hypertension* 2001; 15:869-872.
36. Ounpuu S, Negassa A, Yusuf S, Al Hinai A, **Hassan MO**. Inter-heart: A global study risk factors for acute myocardial infarction. *American Heart Journal* 2001; 141(5): 711-21.
37. Al Barwani S, Al Abri M, Al Hashmi K, Al Shukeiry M, Tahlilkar K, Al Zuheibi T, Al Rawas O, **Hassan MO** Assessment of aerobic fitness and its correlates in Omani adolescents using the 20-metre shuttle run test: . *Sultan Qaboos Univ Med J* 2001; 2:77-80.
38. Al-Riyami B, Al-Khatim HS and **Hassan MO**. Non-dipping blood pressure in normotensive patients with Obstructive Sleep Apnea. *SQU Journal for Scientific Research: Medical Sciences* 1999, 1: 5-8.
39. **Hassan MO** and S.E Lindell. Teaching of Clinical Physiology in the Medical Curriculum. The Omani Model. *SQU Journal for Scientific Research: Medical Sciences* 1999;1:55-8.
40. Floras JS, Jones JV, **Hassan MO**, Sleight P (1983). Ambulatory blood pressure and its variability during randomized double-blind administration of atenolol, metoprolol, pindolol, and long-acting propranolol in subjects with mild to moderate hypertension *Primary Cardiology* 1983; Suppl. 1: 16-23.
41. Floras JS, Jones JV, **Hassan MO**, Osikowska BA, Sever PS, Sleight P. Differences between cuff and direct ambulatory blood pressures in patients with essential hypertension. In: ISAM-Gent-1981. Proceedings of the Fourth International Symposium on Ambulatory Monitoring and the Second Gent Workshop on Blood Pressure Variability. Eds: Stott, FD, Raftery, EB, Clement, DL, Wright, SL. London, Academic Press 1982; pp. 515-521.

42. Jones JV, Floras JS, **Hassan MO**, Rossi P, Sever PS, Sleight P. Baroreflex regulation of blood pressure variability. In: ISAM-Gent-1981. Proceedings of the Fourth International Symposium on Ambulatory Monitoring and the Second Gent Workshop on Blood Pressure Variability. Eds: Stott, FD, Raftery, EB, Clement, DL, Wright, SL. London, Academic Press 1982; pp. 636-639.
43. Floras JS, **Hassan MO**, Jones JV, Osikowska BA, Sever PS, Sleight P, Turner KL. Baroreceptor reflexes and the control of blood-pressure and plasma noradrenalin in hypertension. In: Arterial Baroreceptors and Hypertension. Ed: Sleight, P. Oxford, Oxford University Press 1980; pp. 470-475.
44. Sleight P, Floras J, Jones JV, **Hassan MO**. Once daily atenolol (letter). *BMJ* 1979; i: 491.
45. Floras JS, **Hassan MO**, Jones JV, Sever PS, Sleight P, Turner KL. Baroreflex sensitivity and plasma noradrenaline concentrations in relation to the blood pressure during dynamic exercise in hypertension. *Journal of Physiology* 1979; 291:44p-45p.
46. Floras JS, **Hassan MO**, Jones JV, Sever PS, Sleight PS, Turner KL. Response of noradrenaline to isometric and dynamic exercise in hypertension. *Scottish Medical Journal* 1979; 24:173.
47. Floras JS, **Hassan MO**, Jones JV, Sever PS, Sleight P, Turner KL. Plasma noradrenaline concentrations during isometric and dynamic exercise in essential hypertension. *British Heart Journal* 1979, 42:232.
48. Floras JS, Jones JV. **Hassan MO**, Time-course of changes in baroreflex sensitivity during the development of renovascular hypertension in rats. *Journal of Physiology* 1979, 296:27p-28p.
49. Hassan M O. The variability of blood pressure. *King Abdulaziz Medical. Journal* 1981; 1 (4): 65-77.
50. Floras JS, Jones JV, **Hassan MO**, Sleight P. Ambulatory blood pressure during once daily randomized double blind administration of atenolol, metoprolol, pindolol and slow release propranolol. *BMJ* 1982; 285:1387 – 1392.
51. **Hassan. M O** and Alkafafi. Cardiovascular responses to electrically induced static and dynamic exercise in anaesthetized rats. *Bulletin of Alexandria College of Medicine* 1984; 20 (4):601-606.
52. Floras JS, **Hassan MO**, Jones JV, Sleight P. Cardioselective and nonselective Beta - Adrenoceptor Blocking Drugs in Hypertension: A comparison of their effect on Blood Pressure during Mental and Physical Activity (JACC) *Journal of American College of Cardiology* 1985; 6(1):186-195.

53. **Hassan MO**. The role of the Autonomic nervous system in exercise bradycardia in rats. *East African Medical Journal* 1991; 68(2):130-133.
54. Floras JS, **Hassan MO**, Jones JV, Sleight P. Pressor responses to laboratory stresses and daytime blood pressure variability. *Journal of Hypertension* 1987; 5: 715-719.
55. Floras JS, **Hassan MO**, Jones JV, Osikowska BA, Sever PS, Sleight P. Factors influencing blood pressure and heart rate variability in hypertensive humans. *Hypertension* 1988; 11(3):273 – 281.
56. Floras JS, **Hassan MO**, Jones JV, Osikowska BA, Sever PS, Sleight P. Consequences of impaired arterial baroreflexes in essential hypertension: Effects on pressor responses, plasma nor-adrenaline and blood pressure variability. *Journal of Hypertension* 1988; 6: 525 – 535.
57. **Hassan MO**, Al Shafie OT, Johnston WJ. Loss of the nocturnal dip and increased variability of blood pressure in normotensive patients with non-insulin-dependent diabetes mellitus. *Clinical Physiology* 1993; 13:519 – 523.
58. **Hassan MO**, Abdel Basit KM. High alcohol intake raises the blood pressure of recent-drinking but non-recent-drinking normotensive Caucasians. *High Blood Pressure and Cardiovascular Prevention* 1994; 3:195-199.
59. **Hassan MO**, Jumaa KA, Harper A, Haseltine FD. Contribution of the English language to the learning of basic medical sciences in Sultan Qaboos University. *Medical Teacher* 1995; 17(3), 277-282.
60. Xueyu Chen, **Hassan MO**, John V Jones, Peter Sleight, Floras JS. Baroreflex sensitivity and the blood pressure response to β -blockade. *Journal of Human Hypertension* 1999;
61. **Hassan MO**, Thomas F. Rapid degradation of adenosine triphosphate by frog skeletal muscle; *J Physiol.* 1975; 232: 86-88.
62. Floras JS, **Hassan MO**. Baroreflex sensitivity and plasma noradrenaline concentrations in relation to blood pressure during dynamic exercise in hypertension. *J. Physiol.* 1979; 291: 44 - 45.
63. Sleight P, Floras JS, Jones JV, **Hassan MO**. Effects of once daily atenolol on ambulatory blood pressure. *BMJ* 1979; 490 – 491.
64. Vaughn Williams M, **Hassan MO**, Floras JS, Sleight P, Jones JV. Adaptation of hypertensives to treatment with cardioselective and non-selective Beta Blockers. Absence of correlation between bradycardia and blood pressure control and reduction in slope of the QT/RR relation. *British Heart Journal* 1980; 44: 473 - 497.

65. Floras JS, **Hassan MO**, Jones JV, Sever PS, Osikowska B, Sleight P. Cuff and Ambulatory blood pressure in subjects with essential Hypertension. *Lancet* 16981; 107 – 110.

INTERHEART Publications (Co-author in all)

66. Yusuf S, Hawken S, Ounpuu S,. Effect of potentially modifiable risk factors associated with myocardial infarction in 52 countries (the Inter-Heart study): case control study. *Lancet* 2004; 364 (9438):937-52.

67. Rosengren A, Hawken S, Ounpuu S, Sliwa K, Zubaid M, Almahmeed, Blackett KN, Sitthiamorn C, Sato H, Yusuf S,. Association of psychosocial risk factors with risk of acute myocardial infarction in 11119 cases and 13648 controls from countries (the Inter-Heart study): case-control study. *Lancet* 2004; 364 (9438):912-4.

68. Yusuf S, Hawken S, Ôunpuu , Tony Dans, Alvaro Avezum, Fernando Lanas, Matthew McQueen, Andrzej Budaj, Prem Pais, John Varigos, Liu Lisheng, on behalf of the INTERHEART Study Investigators. INTERHEART Risk Factors, *Lancet*, 2004;364(9438):937-52:

69. Annika Rosengren, Steven Hawken, Stephanie Ôunpuu, Karen Sliwa, Mohammad Zubaid, Wael A Almahmeed, Kathleen Ngu Blackett, Chitr Sitthi-amorn, Hiroshi Sato, Salim Yusuf, for the INTERHEART investigators*INTERHEART Psychosocial, *Lancet*, 2004;364(9438):953-62.

70. Salim Yusuf, Steven Hawken, Stephanie Ôunpuu, Leonelo Bautista, Maria Grazia Franzosi, Patrick Commerford, Chim C Lang, Zvonko Rumboldt, Churchill L Onen, Liu Lisheng, Supachai Tanomsup, Paul Wangai Jr, Fahad Razak, Arya M Sharma, Sonia S Anand, on behalf of the INTERHEART Study Investigators* INTERHEART Obesity, *Lancet*, 2005; 366:1640-1649.

71. Koon K Teo, Stephanie Ounpuu, Steven Hawken, MR Pandey, Vicent Valentin, David Hunt, Rafael Diaz, Wafa Rashed, Rosario Freeman, Lixin Jiang, Xiaofei Zhang, Salim Yusuf, on behalf of the INTERHEART Study Investigators. INTERHEART Tobacco, *Lancet*, 2006; 368:647-658

72. Sonia S. Anand, Shofiquil Islam, Annika Rosengren, Maria Grazia Franzosi, Krisela Steyn, Hussein Yusufali Afzal, Matyas Keltai, Rafael Diaz, Sumathy Rangarajan, and Salim Yusuf on behalf of the INTERHEART INVESTIGATORS INTERHEART Women's, *European Heart Journal*, 2008 Apr;29(7):932-40

73. Matthew J McQueen, Steven Hawken, Xingyu Wang, Stephanie Ounpuu, Allan Sniderman, Jeffrey Probstfeld, Krisela Steyn, John E Sanderson, Mohammad Hasani, Emilia Volkova, Khawar Kazmi, and Salim Yusuf, for the INTERHEART study investigators. INTERHEART Lipids, *Lancet* 2008; 372:224-233.

74. Romaina Iqbal, Sonia Anand, Stephanie Ounpuu, Shofiqul Islam, Xiaohe Zhang, Sumathy Rangarajan, Jephath Chifamba, Ali Al-Hinai, Matyas Keltai, Salim Yusuf on behalf of the INTERHEART Study Investigators. INTERHEART Diet, *Circulation* 2008; 118:
75. Iqbal R, Anand S, Ounpuu S, Islam S, Zhang X, Rangarajan S, Chifamba J, Al-Hinai A, Keltai M, Yusuf S; INTERHEART Study Investigators. Dietary patterns and the risk of acute myocardial infarction in 52 countries: results of the INTERHEART study. *Circulation* 2008 Nov 4;118(19):1929-37
76. Karthikeyan G, Teo KK, Islam S, McQueen MJ, Pais P, Wang X, Sato H, Lang CC, Sitthi-Amorn C, Pandey MR, Kazmi K, Sanderson JE, Yusuf S. Lipid profile, plasma apolipoproteins, and risk of a first myocardial infarction among Asians: an analysis from the INTERHEART Study. *J Am Coll Cardiol*. 2009 Jan 20;53(3):244-5
77. Rosengren A, Subramanian SV, Islam S, Chow CK, Avezum A Jr, Kazmi K, Sliwa K, Zubaid M, Rangarajan S, Yusuf S. Education and risk for acute myocardial infarction in 52 high, middle and low income countries. INTERHEART case-control study. *Heart* 2009; Oct 12.
78. Mentz A, Yusuf S, Islam S, McQueen MJ, Tanomsup S, Onen CL, Rangarajan S, Gerstein HC. INTERHEART Investigators. Metabolic syndrome and risk of acute myocardial infarction: a case-control study of 26,903 subjects from 52 countries. *J Am Coll Cardiol* 2010; 55(21): 2390-98.
79. Gerstein HC, Islam S, Anand S, Almahmeed W, Damasceno A, Dans A, Lang CC, Luna MA, McQueen M, Rangarajan S, Rosengren A, Wang X, Yusuf S. Dysglycaemia and the risk of acute myocardial infarction in multiple ethnic groups: an analysis of 15,780 patients from the INTERHEART study. *Diabetologia*. 2010 Aug 14
80. McGorrian C, Yusuf S, Islam S, Jung H, Rangarajan S, Avezum A, Prabhakaran D, Almahmeed W, Rumboldt Z, Budaj A, Dans AL, Gerstein HC, Teo K, Anand SS; on behalf of the INTERHEART Investigators. Estimating modifiable coronary heart disease risk in multiple regions of the world: the INTERHEART Modifiable Risk Score. *Eur Heart J* 2010; Dec 22 [Epub ahead of print].
81. Chow CK, Islam S, Bautista L, Rumboldt Z, Yusufali A, Xie C, Anand SS, Engert JC, Rangarajan S, Yusuf S. Parental history and myocardial infarction risk across the world. *J Am Coll Cardiol* 2011; 57(5): 619-27
82. Do R, Xie C, Zhang X, Männistö S, Harald K, Islam S, Bailey SD, Rangarajan S, McQueen MJ, Diaz R, Lisheng L, Wang X, Silander K, Peltonen L, Yusuf S, Salomaa V, Engert JC, Anand SS; on behalf of the INTERHEART investigators. The Effect of chromosome 9p21 variants on cardiovascular disease may be modified by dietary intake: evidence from a case/control and a prospective study. *PLoS Med* 2011; 9(10): e1001106. Epub 2011 Oct 11.

83. Held C, Iqbal R, Lear SA, Rosengren A, Islam S, Mathew J, Yusuf S. Physical activity levels, ownership of goods promoting sedentary behavior and risk of myocardial infarction: results of the INTERHEART study. *Eur Heart J* 2012. Jan 11 [Epub ahead of print].

Books:

1. Arterial baroreceptors and hypertension. (Co-author Edited by Peter Sleight. Oxford University Press (1980). ISBN - 1 - 19 - 261259 - X
2. Baroreflex regulation of blood pressure variability. in : ISAM-Gent-1981. Proceedings of the Fourth International symposium on Ambulatory Monitoring and the Second Gent Workshop on Blood Pressure Variability.
3. Edited : Stott, F.D., Raftery, E.B., Clement, D.L., Wright, S.L. London, Academic Press, (1984). Textbook of Physiology – 2001
4. Concise Human Physiology - Co-author Edited by Sukkar Blackwell Scientific Publications Ltd. ISBN - 0 - 632 - 03383 – 5
5. Genetic Disorders in the Arab World. Riad Bayoumi, Saeed Al-Yahyaee, Sulayma Albarwani, Deepali Jaju, Anthony Comuzzie, Juan Lopez-Alvarenga, Mohammed Hassan. Some genetic determinants of Obesity, type 2 diabetes and dyslipidemias in “Oman Family Study”. 2008; Chapter 4: 68-77.

Abstracts and Conferences

1. Hassan, M.O, Jamjoom, A. Evaluation of the role of the internal sphincter in the pathogenesis and treatment of Hirschprung's disease using electromyographic studies of the rectospincteric reflexes. Proceeding of the 6th Saudi Medical Conference. 160 - 161 (1982).
2. Hassan, M.O, Morgos, F.W. The use of real time ultrasound scan and M-Mode echocardiography in the assessment of fetal cardiac abnormalities. Proceedings of the 8th Saudi Medical Conference, Riyadh, 1983.
3. Floras, J.S, Hassan, M.O, Jones, J.V, Sleight, P. Contrasting effects of cardio-selective and nonselective beta-blockers on changes in blood pressure during bicycle exercise in subjects with essential hypertension. *Journal of the American College of Cardiology*, 2 - 611 (1983).
4. Hassan, M.O, Floras, J.S, Fentem, K, Jones, J.V, Sleight, P. Distinction between cardioselectivity and nonselectivity by using systolic to diastolic blood pressure ratio during mental and physical activity. Proceedings of the International Society of Hypertension - Heidelberg, August 1986.

5. Khogeer, Y, Hassan, M.O, Shobokshi, O.A. Initial report of the Saudi National Blood Pressure Study. A pilot study of Urban and Rural male populations in the western regions of the kingdom. Proceedings of the International Society of Hypertension - Heidelberg, August 1986.
6. Floras, J.S, Hassan, M.O, Jones, J.V. The variability of blood pressure and heart rate in essential hypertension: Influence of arterial baroreflexes, age, blood pressure and Beta-adrenoceptor blockade. Proceedings to the 12th Scientific Meeting of the International Society for Hypertension May 22, Koyto Japan, 1988.
7. Baroreflex and 24 hour blood pressure in untreated and treated hypertensive patients. Presented to the 12th meeting of the International Society for Hypertension 22 May 1988, Kyoto-Japan, Journal of Hypertension in press 1989.
8. Floras, J.S, Jones, J.V, Hassan, M.O, Sleight, P. Effects of acute and chronic Beta adrenoceptor blockade on baroreflex sensitivity. J. Am. College of Cardiol, Vol. 11 No. 2 148 - A - 1988.
9. First Pan Arab Conference on Hypertension: Guest Speaker Cairo 6-8 December 1993.
10. Hassan, M.O, Al Shafie, O.T., Woodhouse, N.J.Y, Johnston, W.J. Loss of the 24 hour Diurnal rhythm of blood pressure and heart rate in normotensive diabetics. Presented in the 14th Scientific meeting of the International Society of Hypertension, Madrid, June 14-19, 1992.
11. Hassan, M.O, Abdel Basit, K.M., Lindell, S.E. Blood Pressure distribution and prevalence of hypertension in civil servants of different ethnic origin in the city of Muscat. Presented in the 14th Scientific meeting of the International Society of Hypertension, Madrid, June 14-19, 1992.
12. Hassan, M.O, Kharusi, W. Fitness and fatness in 7 - 12 year old Omani children. Presented in the Fourth U.A.E. Sports Medicine Conference and Asian Sports Medicine Course, Sharjah, March 26-29, 1994.
13. Hassan, M.O. (Guest Speaker) Applications and limitations of Invasive and non-Ambulatory blood pressure monitoring in Hypertension Research. First Pan-Arab Conference on Hypertension, Cairo, December 6-8, 1993.
14. Hassan, M.O. Hypertension in Male Urban and Bedouin Saudis and Male Egyptian Expatriates in the Western Region of Saudi Arabia. Presented to the First Pan-Arab Conference on Hypertension, Cairo, December 6-8, 1993.
15. Hassan, M.O, Al-Kharusi, W, Cragg, D, Dunnet, V. (Guest speaker). Parental and Personal Contributions to Blood Pressure in Omani Children. 2nd Pan Arab Hypertension Congress, Beirut, Lebanon, 3 August 1995.

16. Hassan, M.O, Cragg, D, Al-Riyami, B, Nielsen, S.P. (Guest speaker). Absence of the Blood Pressure dip during sleep in normotensive patients with obstructive sleep apnoea. 2nd Pan Arab Hypertension Congress, Beirut, Lebanon, 3 August 1995.
17. Hassan, M.O, Al-Kharusi, W. Fitness, Fatness and Blood Pressure in Omani Children. 5th Asian Sports Medicine Conference, Muscat, 10 September 1995.
18. Hassan, M.O, Al-Riyami, B. Circadian rhythm of blood pressure in lean and obese patient with obstructive sleep apnoea. 3rd Pan Arab Hypertension Congress, Sharm Al Sheikh, Egypt, August 10, 1996.
19. Hassan MO, "Baroreflex sensitivity and the blood pressure response to β -blockade" presented at the 4th International conference of the German-Arab medical association in Muscat, October 1999.
20. Hassan MO, "Frequency domain characteristics of muscle sympathetic nerve activity in heart failure and healthy humans" presented as poster at the 4th International conference of the German-Arab Medical Association in Muscat, October 1999.
21. Hassan, M.O, Peter Sleight. Baroreflex Sensitivity and Blood pressure response to β -Blockade. Presented to the Third conference of the Pan-Arab Hypertension , Abu Dhabi, February 5, 2000.
22. Hassan, M.O, Al-Riyami, B. Circadian rhythm of blood pressure in lean and obese patient with obstructive sleep apnoea. 3rd Pan Arab Hypertension Congress, Sharm Al Sheikh, Egypt, August 10, 1996.
23. Hassan, M.O, Albarwani, S, Al Rawas, O, Al Riyami A. Aerobic fitness of Omani school youth aged 15-16 years using the 20-meter shuttle run test. Third Asian Conference, Muscat, January 29, 2000.
24. Hassan M.O, John S Floras. Muscle Sympathetic Nerve Activity in Heart Failure Patients With and Without Sleep Apnea. The First Al Ain International Cardiology Conference, UAE, October 15, 2000.
25. Al Hinai A, Bayoumi R, Ganguly SS, Simsek M, Al Khatib M, Al Barwani H and Hassan M.O. Blood pressure response to treatment with Lisinopril and Losartan in relation to polymorphism of the angiotensin converting enzyme and the angiotensin II receptor genes. The First Al Ain International Cardiology Conference, UAE, October 15, 2000.
26. Hassan M.O. Blood pressure and its reactivity in the offspring of consanguineous, non-related hypertensive and normotensive parents. Canadian Cardiovascular Congress, Vancouver, October 30, 2000.
27. Hassan MO, Al Hinai A, Al Barwani H and Bayoumi R. Blood pressure response to treatment with Lisinopril and Losartan in relation to polymorphism of the angiotensin

converting enzyme, angiotensinogen, angiotensin II receptor and adducin genes. International Symposium on Obesity and Hypertension – ISOH 01. Berlin, October 2001.

28. Hassan, M .O Factors affecting physical fitness in Omani Youths. Presented to the Olympic International Committee Meeting, Muscat, March 2002.
29. M. O. Hassan, A. Jaffer, S. Albarwani, S. Al Yahyaee, S. Al Haddabi, J. Al Lawati, A.G. Comuzzie, R.A. Bayoumi: The heritability of haemodynamic variables contributing to blood pressure in a large Omani pedigree: first report of the Nizwa blood pressure study. College of Medicine, Sultan Qaboos University, Oman, Ministry of Health, Oman-, Southwest Foundation, San Antonio, Texas-USA. The Third International Workshop on The Human Circulation: Noninvasive Haemodynamic, Autonomic and Vascular Monitoring, Graz, Austria, May 2003.
30. Riad Bayoumi, Firial Al-Ubaidi, Saeed Al-Yahyaee, Sulayma Albarwani, Jawad Al Lawati, Ali Jaffer, Mohammed Al-Kindi, Hameeda Al-Barwany, Antony Comuzzie, Guowen Cai and Mohammed Hassan. Heritability of phenotypic parameters of the metabolic syndrome. Presented to the 3rd International Symposium on Obesity and Hypertension October 2003, Berlin, Germany.
31. M.O Hassan, A.Jaffer, S Albarwani, S Al Yahyaee, S Al Haddabi, J Al Lawati, S Rizwi, G Cai, A G Comuzzie, R A Bayoumi. The heritability of phenotypic components of blood pressure in a large Omani pedigrees: First Report of the Nizwa project for complex diseases. Presented to the 20th Scientific meeting of the International Society of Hypertension, Brazil, February 2004.
32. Guowen Cai, Maria Tejero, Anthony Comuzzie, Saeed Al Yahyaee, Mohammed Hassan, Sulayma Al Barwani, Ali Al Hinai, Riad Bayoumi. Genes influencing traits of the metabolic syndrome overlap those for liver function in Omani Arab Families. Presented to the Naaso's Annual Meeting. Las Vegas, Nevada, November 2004. (Reference Obesity research).
33. Fahad Al Zidgali, Saeed Al Yahyaee, Mohammed Hassan, Sulayma Al Barwani, Guowen Cai, Jennifer Darling, Anthony Comuzzie, Ali Al Hinai, Riad Bayoumi. The Association of genetic variants of adiponectin with traits related to the metabolic syndrome amongst Arabs of the "Oman Family Study". Naaso's Annual Meeting. Las Vegas, Nevada, November 2004. (Reference Obesity research).
34. Sameera Al Mahroqi, Riad Bayoumi, Mohammed Hassan, Sulayma Al Barwani, Guowen Cai, Jennifer Darling, Anthony Comuzzie, Ali Al Hinai, Saeed Al Yahyaee. Naaso's Annual Meeting. Las Vegas, Nevada, November 2004. (Reference Obesity research).
35. Hassan, M O, RA Bayoumi, F Al-Ubaidi, S Al Yahyaee, S Albarwani, AM Ziada, A Al Hinai, JA Al Lawati, SG Rizwi, AG Comuzzie. The main determinants of the metabolic syndrome amongst Omani Arabs are different from that in Europeans and Americans. [Oman Family Study]. Presented to the 1st International Congress on Prediabetes and the

Metabolic syndrome. Berlin, Germany April 2005.(Reference Prediabetes Book of abstracts pages, 34).

36. Mohammed Osman Hassan, Radha Shenoy, Alexander Bialasiewicz, Shirely McCillvenny, Shyam Sunder Ganguly. Microperimetric evaluation of macula in patients with diabetes mellitus type II. Presented as poster in the 1st International Congress on Prediabetes and the Metabolic syndrome. Berlin, Germany April 2005. (Reference Prediabetes Book of abstracts pages, 65).
37. F.Al-Ubaidi, M O Hassan, S Al Yahyaee, S Albarwani, A Al Hinai, S Al Riyami, S G Rizvi, R A Bayoumi. High sensitivity C-reactive protein (HSCR) amongst Omani Arabs with metabolic syndrome: [Oman Family Study]. Presented as poster in the 1st International Congress on Prediabetes and the Metabolic syndrome Berlin, Germany April 2005. (Reference Prediabetes Book of abstracts pages 34).
38. R A.Bayoumi, F Al-Ubaidi, S Al-Yahyaee , S Albarwani , A M Ziada, A Al- Hinai , D Jaju, S G. Rizvi , MO Hassan. Metabolic, Cardiac, Autonomic and Endothelial Dysfunction Amongst Prediabetic Omani Arabs: [Oman Family Study]. Presented as poster in the 1st International Congress on Prediabetes and the Metabolic syndrome. Berlin, Germany April 2005. (Reference Prediabetes Book of abstracts pages109).
39. S Albarwani, D Jaju, S Rizvi, R Bayoumi and M O Hassan. Heart rate variability, baroreceptor sensitivity, 24-hour blood pressure and gender differences in prediabetics in a homogenous Arab population; Oman Family Study. Presented to the 15th European meeting on Hypertension. Milan, Italy June 2005.
40. M O Hassan. Heritability and abnormality of haemodynamic and autonomic phenotypes in young offspring of hypertensive parents in five large consanguineous Arab pedigrees. [Oman Family Study]. Presented to the International Task Force for Cardiovascular disease and Cardiotim. Beirut, Lebanon. September 2005.
41. Hassan, M.O, Jaju D, Albarwani S, Juan C. Lopez Alvarenga, Anthony G Comuzzie and Bayoumi R. Heritability and influence of obesity measures on cardiovascular and autonomic phenotypes in the offspring of consanguineous hypertensive parents. ‘Oman Family Study’. Presented to the 4th international symposium on obesity and hypertension conference. Berlin October 2005.
42. Hassan M.O , Jaju D, Albarwani, Al Yahyee S , Juan C Lopez-Alvarenga, Antony G Commuzie, Bayoumi R . Prediabetes in young adult Arabs: Abnormality and gender differences of haemodynamic, autonomic and biochemical parameters. “Oman Family Study”. Presented to the Global Aspects of Diabetes: Shaping the future International Diabetes Conference. Kuwait October 2006.
43. Mohammed Osman Hassan. The Genetics of Hypertension Riddle. Better Chances of Solving it by Sharing Information Between Four Centres in Three Continents. Alexandria. April 2006.

44. MB Dikshit, DS Jaju, MO Hassan, S Albarwani. The mirage that is sinus arrhythmia. International Conference on Cardio-pulmonary Regulation in Health and Disease: Molecular & Systemic Intergration. VP Chest institute, University of Delhi, Delhi, India. February 22-24, 2007.
45. S. Albarwani, D.Jaju, S.A.Al-Yahyaee, R.A.Bayoumi, M.O.Hassan. Multiparity and high prevalence of the metabolic syndrome using the international diabetes federation criteria in Omani Arab Women. Diabetes and Vascular Disease Research. S58, April 2007.
46. R.A. Bayoumi, F.Al-Zadjali, S. Albarwani, D.Jaju, J.Saleh, S.A.Al-Yahyaee, M.O. Hassan. Plasma Adiponectin level in multiparous Arab women with the metabolic syndrome. Diabetes and Vascular Disease Research. S60, April 2007.
47. M.O. Hassan, D.Jaju, S. Albarwani, S.A.Al-Yahyaee, R. A. Bayoumi. Non-dipping blood pressure in the metabolic syndrome may be due to the increase in day-night shift in pulse pressure and volume dependent nocturnal hypertension. Diabetes and Vascular Disease Research. S207, April 2007.
48. Hassan M.O , Albarwani S, Al Yahyee S , Jaju D, Juan C Alvarenga, Antony G Commuzie, Bayoumi R. A novel approach for the study of the genetics of hypertension in Arabs. Heritability and linkage analysis results of “Oman Family Study”. 2nd Pan Arab Human Genetics Conference, November 2007.
49. Bayoumi R, Al Yahyee S, Albarwani S, Juan C Alvarenga, Antony G Commuzie, Hassan M.O. Identification of loci for the obesity-diabetes phenotype among Arabs of the “Oman Family Study. African Society of Human Genetics Conference, Cairo, November 2007.
50. Bayoumi RA, Al-Yahyaee S, Albarwani S, Lopez-Alvarenga JC, Comuzzie AG & Hassan MO. Advances in the Genetics of Type 2 Diabetes Mellitus. 2nd Pan Arab Human Genetics Conference, November 2007.
51. Albarwani S, Sultan Al-Siyabi, Hajer Ba-Omar and Mohammed Hassan. Exercise training reduces aging-induced BKCa channel down-regulation in rat FASEB J. 2007 21:959.17
52. K. Al-Rassadi, SG Rizvi, S. Al-Yahyaee, MO Hassan, S. Albarwani, R. Bayoumi. Prevalence of metabolic risk factors in prediabetics of Oman Family Study. Journal of Diabetes vol. 1. supplement 1. April 2009. 3rd International Congress on Prediabetes and the metabolic syndrome, Nice, France.
53. Mohammed O Hassan, Sulayma Albarwani Saeed Al-Yahyaee, Deepali Jaju and Riad A Bayoumi. Genomewide Linkage Analysis Reveals Novel Quantitative Trait Loci of Haemodynamics Under Mental and Physical Stress in Large Arab Pedigrees of the “Oman Family Study”. Alexandria, TWAS meeting 21-22 Dec 2009, Invited guest Speaker.

54. Mohammed O Hassan, Riad A Bayoumi, Deepali Jaju , Syed G Rizvi, Saeed A S Al-Yahyaee and Sulayma A Albarwani. Multiparity and High Prevalence of the Metabolic Syndrome Using the International Diabetes Federation Criteria in Omani Arab Women “Oman Family Study”. The 6th International Conference Functional, Foods for Chronic Diseases: Diabetes & Related Diseases Denton, December 2009. Texas, USA.
55. Mohammed O Hassan, Sulayma Albarwani, Saeed Al Yahyaee, Saleh Al Haddabi, Anthony G Comuzzie and Riad Bayoumi. Sharing Genetic Results of Large Arab Pedigrees Achievements and Challenges. UCLA center for society and Genetics. Denver, July 22-25, 2010.
56. M O Hassan. Recent Advances in Sleep and Respiratory Medicine. The second regional conference on sleep and respiratory medicine. 12 – 14 October 2010, Sharm el Sheikh, Egypt. Invited guest speaker.
57. Hassan M.O, Albarwani S, Al Yahyee S, Juan C Lopez-Alvarenga, Antony G Commuzie, Bayoumi R. Mental Stress and Sleep Expose Novel Quantitative Trait Loci for Haemodynamics in Large Arabs Pedigrees of “ Oman Family Study”. Experimental Biology: Washington DC , April 2011
58. Mohammed O Hassan, Sulayma Albarwani, Saeed Al Yahyaee, Saleh Al Haddabi, Anthony G Comuzzie and Riad Bayoumi. Sharing Genetic Results of Large Arab Pedigrees Achievements and Challenges. UCLA center for society and Genetics. Denver, July 22-25, 2010.
59. M O Hassan. Recent Advances in Sleep and Respiratory Medicine. The second regional conference on sleep and respiratory medicine. 12 – 14 October 2010, Sharm el Sheikh, Egypt. Invited guest speaker.
60. Sulayma Albarwani, Deepali S Jaju, Saeed Al-Yahyaee, Riad A Bayoumi, Juan Lopez Alvaranga, Antony G Commuzie, and Mohammed O. Hassan Cardiovascular Reactivity to Mental and Physical Stress in Offspring of Hypertensive Parents from Large Omani Arab Families FASEB J, 2011 25:1099.4.
61. Mohammed O. Hassan, Sulayma Albarwani, Said Al Yahyee, Deepali Jaju, Juan C. Lopez-Alvarenga, Antony G. Commuzie, and Riad Bayoumi. Mental Stress Exposed Novel Quantitative Trait Loci for Haemodynamics in Large Arabs Pedigrees. of "Oman Family Study" FASEB J March 17, 2011 25:1099.3.
62. Mohammed O Hassan (Invited guest speaker), Sulayma Albarwani, Saeed Al Yahyaee, Saleh Al Haddabi, Anthony G Comuzzie and Riad Bayoumi. Sharing Genetic Results of Large Arab Pedigrees Achievements and Challenges. UCLA center for society and Genetics. Denver, July 22-25, 2010.

63. M O Hassan. Recent Advances in Sleep and Respiratory Medicine. The second regional conference on sleep and respiratory medicine. 12 – 14 October 2010, Shaarm el Sheikh, Egypt.
64. Hassan M.O, Albarwani S, Al Yahyee S, Juan C Lopez-Alvarenga, Antony G Commuzie, Bayoumi R. Mental Stress and Sleep Expose Novel Quantitative Trait Loci for Haemodynamics in Large Arabs Pedigrees of “ Oman Family Study”. Experimental Biology: Washington DC , April 2011
65. Sulayma Albarwani, Deepali S Jaju, Saeed Al-Yahyaee, Riad A Bayoumi, Juan C Lopez Alvaranga, Antony G Commuzie, and Mohammed O. Hassan Cardiovascular Reactivity to Mental and Physical Stress in Offspring of Hypertensive Parents from Large Omani Arab Families Experimental Biology: Washington DC , April 2011.
66. Sulayma Albarwani, Philip Millar², Peter Picton, Deepali Jaju, Riad bayoumi, Saeed Al-Yahyaee, John S Floras, and MO Hassa ¹Divergent relationship between arterial baroreflex sensitivity and mental stress- induced blood pressure reactivity in women and men of Oman Family Study.
67. Fathi Mansour Mohammed Hassan¹ and Sulayma Albarwani Ageing differentially affects myogenic tone of coronary microcirculatory arteries according to vessel diameter (LB644) ¹ Experimental biology April 26- 30, 2014 San Diego, USA
68. Fathi Mansour Mohammed Hassan Abdul Aleem Khan¹ and Sulayma Albarwani¹ Aging Selectively Attenuates L-Type Calcium Currents in Resistance Coronary Arteries, Experimental biology March 28 - April 1, 2015 Boston, USA
69. Albarwani S, Millar, Peter Picton, Deepali Jaju, Riad bayoumi, Saeed AlYahyaee, John S Floras, and MO Hassan; Divergent relationship between arterial baroreflex sensitivity and mental stress-induced blood pressure reactivity in women and men of Oman Family Study Experimental biology March 28 - April 1, 2015 Boston, USA
70. Ibtisam Al Lawati, Hassan M O. Sleep patterns and quality in Omani adults World Congress on Sleep Medicine. Soul, Korea 21-25 March 2015.