

Curriculum Vitae
2021

Maryam S Daneshpour

Address

Associate Prof, Cellular and molecular endocrine research center, Research Institute for Endocrine Sciences, Shaheed Beheshti University of Medical Sciences, No.24, Parvaneh St. Evin, Tehran, Iran. Postal code: 1985717413; Tel: +98 21 22 43 2500-08 (ext.233); Fax: +98 21 22416264; Mob: +98 912 336 9963; E-mail: Daneshpour@sbmu.ac.ir; Daneshpour1388@gmail.com

Educational Background

**Postdoctoral
fellowship in
statistical genetic
2011-2012**

deCODE genetic company, Iceland under supervision Dr. Agustin Kong

**Ph.D. in Molecular
Genetic
2009**

National Institute for Genetic Engineering and Biotechnology; Tehran university
Thesis Title: 'The association of the low HDL-C level with 8(q22.1-q24.3), 11(q23.3-q25), 12(q13.12-q15), 16(q23.3-q24.3) chromosomal region in metabolic syndrome family.'
Under Supervision of Dr. Fereidun Azizi and Dr. Masoud Houshmand

**Master of Sciences
in Cell & Molecular
Biology
2004**

Khatam University, Tehran Iran
Thesis Title: 'Association between the cholesteryl ester transfer protein TaqI polymorphism and low HDL-C concentration in Iranian population '
Under Supervision of Dr. Azizi

**Bachelor of
Sciences in
Laboratory Science;
1999**

Shahid Beheshti University of Medical Sciences Tehran, Iran

**Associate Degree in
Laboratory Science**

Shahid Beheshti University of Medical Sciences Tehran, Iran

Professional Background

<u>2017-now</u>	<u>Head of Iranian genome project (Gemiran)</u>
<u>2014-now</u>	<u>Principal investigator of Tehran cardiometabolic genetic study (TCGS)</u>
<u>2012-now</u>	<u>Vice-chancellor of Cellular and Molecular Endocrine Research Center, Shahid Beheshti University of medical sciences</u>
<u>2011-2012</u>	<u>Statistician and researcher in deCODE genetic company, Iceland</u>
<u>2005-now</u>	<u>Supervisor/investigator in DNA banking project for 15,000 samples in Tehran Lipid and Glucose Study (TLGS)</u>

2004 - now	Head of molecular biology lab in Endocrine Research Center Supervisor of any project that is related to molecular biology Research Institute for Endocrine Sciences, Shahid Beheshti University of Medical Sciences, Tehran, Iran Lab Technicians
1995 - 2004	Research Institute for Endocrine Sciences, Shahid Beheshti University of Medical Sciences, Tehran, Iran Member of Iodine Deficiency Disorders (IDD) team: Train Omani team for Urine Iodine measurement in Oman
1995 - present	Train Afghanistan team for Urine Iodine measurement in Iran

Best researcher in Shahid Beheshti University of Medical Sciences; **2008**
Best researcher in Research Institute for Endocrine Sciences; **2007**

Iran National Science Foundation under Grant No: 83076; "Genetic and molecular biology projects in the Tehran Lipid and Glucose Study" **2007**
Iranian medicine network, grant No: 183; DNA Bank for Tehran Lipid and Glucose study project **2006**

Joint research project with Faculty of Allied Health Sciences in Kuwait University and Centre of Biotechnology of Sfax, Tunisia **2007-2009**

TLGS-deCODE genomic collaboration 2012-now

English (Holder of Academic IELTS certificate), **Farsi** (Mother Tongue)

Awards

Grants

2,000,000,000 Tooman from MOHME for TCGS project

Language

Research experience

- Advanced research methodology
- Computer skills: Linux, awk, ICDL skills, C++, Endnote
- Lab techniques:
 - Sequencing and genotyping with Illumina technique
 - Immunochemical Techniques (Enzyme, Radio, Chemo Luminescence and, Fluorescence Labeled Immunoassay)
 - Photometrical Techniques (UV, Visible, Atomic Absorption, Flame, Autoanalyzer)
 - Electrophoresis of proteins and nucleic acids (Agarose, Poly Acryl Amid)
 - DNA&RNA Extraction, cDNA Synthesis
 - PCR, Primer design, RFLP PCR, Multiplex PCR, ARMS PCR, Reverse dot blot, Real-time PCR, Fragment analysis, sequencing.
- Bioinformatics
 - GWAS and Linkage analysis, Work with some related program: gene runner, Progeny, Cyrillic, GeneMarker V1.6, Pedcheck, GenoPro, Genemapper, Peak-scanner, PowerStatsV12, Power marker v3.25, Makeped, makeped, linkage.....
 - Work with some related databases: gene alignment, NCBI, blast, genome database (GDB), hapmap....
- Statistical Software:
 - Plink, GWAS result analysis, SAGE, SPSS, R, FBAT, TDT, Merlin

Publications

International:

1. 1. Abbasi, M., Daneshpour, M. S., Hedayati, M., Mottaghi, A., Pourvali, K., & Azizi, F. (2018). The relationship between MnSOD Val16Ala gene polymorphism and the level of serum total antioxidant capacity with the risk of chronic kidney disease in type 2 diabetic patients: A nested case-control study in the Tehran lipid glucose study. *Nutrition and Metabolism*, 15(1). doi:10.1186/s12986-018-0264-0
2. Abbasi, M., Daneshpour, M. S., Hedayati, M., Mottaghi, A., Pourvali, K., & Azizi, F. (2019). Dietary Total Antioxidant Capacity and the Risk of Chronic Kidney Disease in Patients With Type 2 Diabetes: A Nested Case-Control Study in the Tehran Lipid Glucose Study. *Journal of Renal Nutrition*, 29(5), 394-398. doi:10.1053/j.jrn.2018.11.008
3. Akbarzadeh, M., Dehkordi, S. R., Roudbar, M. A., Sargolzaei, M., Guity, K., Sedaghati-khayat, B., . . . Daneshpour, M. S. (2021). GWAS findings improved genomic prediction accuracy of lipid profile traits: Tehran Cardiometabolic Genetic Study. *Scientific Reports*, 11(1). doi:10.1038/s41598-021-85203-8
4. Akbarzadeh, M., Majd, H. A., Daneshpour, M. S., Mehrabi, Y., & Azizi, F. (2011). Analyzing of multivariate two levels haseman-elston regression and its application in genetic linkage

of HDL-C, triglycerides and waist in 91 Iranian families with metabolic syndrome. *Koomesh*, 12(3), 266-271.

5. Akbarzadeh, M., Moghimbeigi, A., Morris, N., Daneshpour, M. S., Mahjub, H., & Soltanian, A. R. (2019). A Bayesian structural equation model in general pedigree data analysis. *Statistical Analysis and Data Mining*, 12(5), 404-411. doi:10.1002/sam.11434
6. Asdadollahpour, E., Daneshpour, M., Khayat, B. S., Hashemiaghdam, A., Amoli, M. M., Qorbani, M., & Razi, F. (2017). Non-muscle myosin heavy chain 9 gene (MYH9) polymorphism (rs4821481) is associated with urinary albumin excretion in Iranian diabetic patients. *Iranian Red Crescent Medical Journal*, 19(1). doi:10.5812/ircmj.40076
7. Azizi, F., Ghanbarian, A., Momenan, A. A., Hadaegh, F., Mirmiran, P., Hedayati, M., . . . Zabetian, A. (2009). Prevention of non-communicable disease in a population in nutrition transition: Tehran Lipid and Glucose Study phase II. *Trials*, 10. doi:10.1186/1745-6215-10-5
8. Bandarian, F., Daneshpour, M. S., Hedayati, M., Naseri, M., & Azizi, F. (2016). Identification of sequence variation in the apolipoprotein A2 gene and their relationship with serum high-density lipoprotein cholesterol levels. *Iranian Biomedical Journal*, 20(2), 84-90.
9. Bandarian, F., Hedayati, M., Daneshpour, M. S., Naseri, M., & Azizi, F. (2013). Genetic polymorphisms in the APOA1 gene and their relationship with serum HDL cholesterol levels. *Lipids*, 48(12), 1207-1216. doi:10.1007/s11745-013-3847-6
10. Clark, D. W., Okada, Y., Moore, K. H. S., Mason, D., Pirastu, N., Gandin, I., . . . Wilson, J. F. (2019). Associations of autozygosity with a broad range of human phenotypes. *Nature Communications*, 10(1). doi:10.1038/s41467-019-12283-6
11. Daneshpour, M., Faam, B., Hedayati, M., & Azizi, F. (2011). Presence of the X+ allele in apolipoprotein B gene increase the total cholesterol and apolipoprotein B concentration in Tehranian people. *Iranian Journal of Endocrinology and Metabolism*, 12(6), 588-593+659.
12. Daneshpour, M., Fam, B., Mansournia, M., Hedayati, M., Halalkhor, S., Mesbah Naminm, A., . . . Azizi, F. (2012). Association of the APOAI-CIII-AIV gene cluster polymorphisms with the level of lipids in Tehranian Population. *Iranian Journal of Endocrinology and Metabolism*, 13(5), 505-513.
13. Daneshpour, M., Houshmand, M., Zeinali, S., Hedayati, M., Zarkesh, M., & Azizi, F. (2011). Allele frequency of 12 microsatellites in chromosome 8, 11, 12 and 16 in Tehran lipid and glucose study. *Iranian Journal of Endocrinology and Metabolism*, 12(6), 580-587+658.
14. Daneshpour, M., Karimi, B., & Omidfar, K. (2018). Simultaneous detection of gastric cancer-involved miR-106a and let-7a through a dual-signal-marked electrochemical nanobiosensor. *Biosensors and Bioelectronics*, 109, 197-205. doi:10.1016/j.bios.2018.03.022
15. Daneshpour, M., Omidfar, K., & Ghanbarian, H. (2016). A novel electrochemical nanobiosensor for the ultrasensitive and specific detection of femtomolar-level gastric

- cancer biomarker miRNA-106a. *Beilstein Journal of Nanotechnology*, 7(1), 2023-2036. doi:10.3762/BJNANO.7.193
16. Daneshpour, M. S., Alfadhli, S., Houshmand, M., Zeinali, S., Hedayati, M., Zarkesh, M., & Azizi, F. (2010). Allele frequency distribution for D11S1304, D11S1998, and D11S934 and metabolic syndrome in TLGS. *European Journal of Lipid Science and Technology*, 112(12), 1302-1307. doi:10.1002/ejlt.201000340
 17. Daneshpour, M. S., Alfadhli, S., Houshmand, M., Zeinali, S., Hedayati, M., Zarkesh, M., . . . Azizi, F. (2009). Allele frequency distribution data for D8S1132, D8S1779, D8S514, and D8S1743 in four Ethnic groups in relation to metabolic syndrome: Tehran lipid and glucose study. *Biochemical Genetics*, 47(9-10), 680-687. doi:10.1007/s10528-009-9265-z
 18. Daneshpour, M. S., Faam, B., Hedayati, M., Eshraghi, P., & Azizi, F. (2011). ApoB (XbaI) polymorphism and lipid variation in Teharnian population. *European Journal of Lipid Science and Technology*, 113(4), 436-440. doi:10.1002/ejlt.201000346
 19. Daneshpour, M. S., Faam, B., Mansournia, M. A., Hedayati, M., Halalkhor, S., Mesbah-Namin, S. A., . . . Azizi, F. (2012). Haplotype analysis of Apo AI-CIII-AIV gene cluster and lipids level: Tehran lipid and glucose study. *Endocrine*, 41(1), 103-110. doi:10.1007/s12020-011-9526-6
 20. Daneshpour, M. S., Hedayati, M., & Azizi, F. (2006). Hepatic lipase C-514T polymorphism and its association with high-density lipoprotein cholesterol level in Tehran. *European Journal of Preventive Cardiology*, 13(1), 101-103. doi:10.1097/01.hjr.0000183908.74989.0c
 21. Daneshpour, M. S., Hedayati, M., & Azizi, F. (2007). TaqI B1/B2 and -629A/C cholesteryl ester transfer protein (CETP) gene polymorphisms and their association with CETP activity and high-density lipoprotein cholesterol levels in a Tehranian population. Part of the Tehran Lipid and Glucose Study (TLGS). *Genetics and Molecular Biology*, 30(4), 1039-1046. doi:10.1590/S1415-47572007000600001
 22. Daneshpour, M. S., Hedayati, M., Eshraghi, P., & Azizi, F. (2010). Association of Apo E gene polymorphism with HDL level in Tehranian population. *European Journal of Lipid Science and Technology*, 112(7), 810-816. doi:10.1002/ejlt.200900207
 23. Daneshpour, M. S., Hedayati, M., Sedaghati-Khayat, B., Guity, K., Zarkesh, M., Akbarzadeh, M., . . . Azizi, F. (2018). Genetic identification for non-communicable disease: Findings from 20 years of the Tehran Lipid and Glucose Study. *International Journal of Endocrinology and Metabolism*, 16. doi:10.5812/ijem.84744
 24. Daneshpour, M. S., Hosseinzadeh, N., Zarkesh, M., & Azizi, F. (2012). Haplotype frequency distribution for 7 microsatellites in chromosome 8 and 11 in relation to the metabolic syndrome in four ethnic groups: Tehran Lipid and Glucose Study. *Gene*, 495(1), 62-64. doi:10.1016/j.gene.2011.12.011
 25. Daneshpour, M. S., Rebai, A., Houshmand, M., Alfadhli, S., Zeinali, S., Hedayati, M., . . . Azizi, F. (2011). 8q24.3 and 11q25 chromosomal loci association with low HDL-C in metabolic syndrome. *European Journal of Clinical Investigation*, 41(10), 1105-1112. doi:10.1111/j.1365-2362.2011.02516.x

26. Daneshpour, M. S., Zarkesh, M., Hedayati, M., Mesbah Namin, S. A., Halalkhor, S., Faam, B., & Azizi, F. (2010). The G360t polymorphism in the APO AIV gene and its association with combined HDL/LDL-cholesterol phenotype: Tehran lipid and glucose study. *International Journal of Endocrinology and Metabolism*, 8(1), 32-38.
27. Daneshpour, M. S., Zarkesh, M., Masjoudi, S., Azizi, F., & Hedayati, M. (2021). Chromosomal regions strongly associated with waist circumference and body mass index in metabolic syndrome in a family-based study. *Scientific Reports*, 11(1). doi:10.1038/s41598-021-85741-1
28. Ehsandar, S., Zarkesh, M., Daneshpour, M., Bandehpour, M., Azizi, F., & Hedayati, M. (2014). Prevalence of human adenovirus 36 and its association with overweight/obese and lipid profiles in the tehran lipid and glucose study. *Iranian Journal of Endocrinology and Metabolism*, 16(2), 88-94.
29. Esfandiari, Z., Hosseini-Esfahani, F., Daneshpour, M. S., Zand, H., Mirmiran, P., & Azizi, F. (2017). Interaction of macronutrient intake and CETP gene variants in relation to metabolic syndrome and components. *Iranian Journal of Endocrinology and Metabolism*, 19(4), 279-289.
30. Esfandiari, Z., Hosseini-Esfahani, F., Daneshpour, M. S., Zand, H., Mirmiran, P., & Azizi, F. (2018). Cholesteryl ester transfer protein gene variations and macronutrient intakes interaction in relation to metabolic syndrome: Tehran lipid and glucose study. *Iranian Journal of Basic Medical Sciences*, 21(6), 586-592. doi:10.22038/ijbms.2018.26768.6555
31. Eshraghi, P., Hedayati, M., Daneshpour, M. S., Mirmiran, P., & Azizi, F. (2007). Association of body mass index and Trp64Arg polymorphism of the β 3-adrenoreceptor gene and leptin level in Tehran Lipid and Glucose Study. *British Journal of Biomedical Science*, 64(3), 117-120. doi:10.1080/09674845.2007.11732769
32. Faam, B., Daneshpour, M., Azizi, F., & Hedayati, M. (2011). Association of T2229/C exon 12 polymorphisms of thyroid peroxidase gene with anti TPO levels in tehran population. *Journal of Zanjan University of Medical Sciences and Health Services*, 19(74), 5.
33. Faam, B., Daneshpour, M. S., Azizi, F., Salehi, M., & Hedayati, M. (2012). Association between TPO gene polymorphisms and Anti-TPO level in Tehranian population: TLGS. *Gene*, 498(1), 116-119. doi:10.1016/j.gene.2012.01.077
34. Faam, B., Daneshpour, M. S., Hedayati, M., Halalkhor, S., Mansournia, M. A., Zarkesh, M., & Azizi, F. (2014). The age effect on the association between the scavenger receptor class B type I (SR-BI) polymorphism and HDL-C level: Tehran Lipid and Glucose Study. *Endocrine Research*, 39(3), 91-93. doi:10.3109/07435800.2013.808207
35. Faam, B., Hajihosseini, R., Daneshpour, M., Azizi, F., & Hedayati, M. (2010). Association of A1936/G exon11 polymorphism of thyroid peroxidase gene with anti-TPO levels in an Iranian population. *Iranian Journal of Endocrinology and Metabolism*, 12(1), 60-64+85.
36. Faam, B., Zarkesh, M., Daneshpour, M. S., Azizi, F., & Hedayati, M. (2014). The association between inflammatory markers and obesity-related factors in Tehranian adults: Tehran lipid and glucose study. *Iranian Journal of Basic Medical Sciences*, 17(8), 577-582.

37. Fallah, M. S., Sedaghatikhayat, B., Guity, K., Akbari, F., Azizi, F., & Daneshpour, M. S. (2016a). The relation between metabolic syndrome risk factors and genetic variation in apolipoprotein V in relation with serum triglyceride and HDL-C level. *Archives of Iranian Medicine*, 19(1), 32-36.
38. Fallah, M. S., Sedaghatikhayat, B., Guity, K., Akbari, F., Azizi, F., & Daneshpour, M. S. (2016b). The Relation between Metabolic Syndrome Risk Factors and Genetic Variations of Apolipoprotein V in Relation with Serum Triglyceride and HDL-C Level. *Archives of Iranian Medicine*, 19(1), 46-50.
39. Farid, M. A. K., Azizi, F., Hedayati, M., Daneshpour, M. S., Shamshiri, A. R., & Siassi, F. (2010). Association between CETP Taq1B and LIPC -514C/T polymorphisms with the serum lipid levels in a group of Tehran's population: A cross sectional study. *Lipids in Health and Disease*, 9. doi:10.1186/1476-511X-9-96
40. Ghafari, N., Raesi, M., Guity, K., & Daneshpour, M. (2020). Evaluation and Comparison of New Methods in HLA Typing. *Investigacion Economica*, 23(2), 75-84.
41. Gharooi Ahangar, O., Javanrouh, N., Daneshpour, M. S., Barzin, M., Valizadeh, M., Azizi, F., & Hosseiniapanah, F. (2020). Genetic markers and continuity of healthy metabolic status: Tehran cardio-metabolic genetic study (TCGS). *Scientific Reports*, 10(1). doi:10.1038/s41598-020-70627-5
42. Goodarzi, G., Hosseini-Esfahani, F., Ataie-Jafari, A., Haji-Hosseini-gazestani, N., Daneshpour, M. S., Keshavarz, S. A., & Mirmiran, P. (2021). Dietary diversity modifies the association between FTO polymorphisms and obesity phenotypes. *International Journal of Food Sciences and Nutrition*. doi:10.1080/09637486.2021.1890698
43. Gretarsdottir, S., Helgason, H., Helgadottir, A., Sigurdsson, A., Thorleifsson, G., Magnusdottir, A., . . . Stefansson, K. (2015). A Splice Region Variant in LDLR Lowers Non-high Density Lipoprotein Cholesterol and Protects against Coronary Artery Disease. *PLoS Genetics*, 11(9). doi:10.1371/journal.pgen.1005379
44. Halalkhor, S., Mesbah-Namin, S. A., Daneshpour, M. S., Hedayati, M., & Azizi, F. (2011). Association of ATP-binding cassette transporter-A1 polymorphism with apolipoprotein AI level in Tehranian population. *Journal of Genetics*, 90(1), 129-132. doi:10.1007/s12041-011-0030-9
45. Hedayati, M., Daneshpour, M. S., Zarkesh, M., Yeganeh, M. Z., Sheikholeslami, S., Faam, B., & Azizi, F. (2018). Biochemical assessment: Findings from 20 years of the Tehran lipid and glucose study. *International Journal of Endocrinology and Metabolism*, 16. doi:10.5812/ijem.84783
46. Hedayati, M., Jahromi, M. S., Yeganeh, M. Z., Daneshpour, M. S., Rad, L. H., & Azizi, F. (2010). Association between serum level of anti-TPO titer and polymorphisms G1193/C Exon 8 and C2145/T Exon 12 of thyroid peroxidase gene in an Iranian population. *International Journal of Endocrinology and Metabolism*, 8(2), 64-67.
47. Hedayati, M., Khazan, M., Yaghmaee, P., Yeghaneh, M. Z., Behdadfar, L., & Daneshpour, M. S. (2011). Rapid microwave digestion and microplate reading format method for

- urinary iodine determination. *Clinical Chemistry and Laboratory Medicine*, 49(2), 281-284. doi:10.1515/CCLM.2011.053
48. Hedayati, M., Ordookhani, A., Daneshpour, M. S., & Azizi, F. (2007). Rapid acid digestion and simple microplate method for milk iodine determination. *Journal of Clinical Laboratory Analysis*, 21(5), 286-292. doi:10.1002/jcla.20185
 49. Hedayati, M., Salehi Jahromi, M., Houghoughi Rad, L., Zarif Yeganeh, M., Daneshpour, M., & Azizi, F. (2011). Association of polymorphisms G1193/C exon 8 and C2145/T exon 12 with anti-TPO titer in Iranian population. *Iranian Journal of Endocrinology and Metabolism*, 13(3), 288-294.
 50. Hedayati, M., Sharifi, K., Rostami, F., Daneshpour, M. S., Zarif Yeganeh, M., & Azizi, F. (2012). Association between TNF- α promoter G-308A and G-238A polymorphisms and obesity. *Molecular Biology Reports*, 39(2), 825-829. doi:10.1007/s11033-011-0804-4
 51. Hedayati, M., Tajic, A., Daneshpour, M. S., & Kazemi, A. (2008). Simple method for revealing of false negative results of urine morphine caused by adulterants. *Journal of Substance Use*, 13(5), 319-324. doi:10.1080/14659890802087683
 52. Hedayati, M., Zarif Yeganeh, M., Sheikholeslami, S., Daneshpour, M., & Azizi, F. (2015). Medullary thyroid cancer screening using the ret proto oncogene genetic marker. *Iranian Journal of Endocrinology and Metabolism*, 17(2), 157-170.
 53. Helgadóttir, A., Gretarsdóttir, S., Thorleifsson, G., Hjartarson, E., Sigurdsson, A., Magnusdóttir, A., . . . Stefansson, K. (2016). Variants with large effects on blood lipids and the role of cholesterol and triglycerides in coronary disease. *Nature Genetics*, 48(6), 634-639. doi:10.1038/ng.3561
 54. Hosseini-Esfahani, F., Daneshpour, M., Hedayati, M., Mirmiran, P., Mehrabi, Y., & Azizi, F. (2015). Interaction of APOC3 polymorphism and dietary fats on the risk of metabolic syndrome. *Iranian Journal of Endocrinology and Metabolism*, 16(5).
 55. Hosseini-Esfahani, F., Esfandiari, Z., Mirmiran, P., Daneshpour, M. S., Ghanbarian, A., & Azizi, F. (2019). The interaction of cholesteryl ester transfer protein gene variations and diet on changes in serum lipid profiles. *European Journal of Clinical Nutrition*, 73(9), 1291-1298. doi:10.1038/s41430-019-0397-x
 56. Hosseini-Esfahani, F., Koochakpoor, G., Daneshpour, M. S., Mirmiran, P., & Azizi, F. (2018). Dietary pattern interactions with polymorphisms of CCND2, ZNT8 and MC4R Genes, in relation to risk of metabolic syndrome and its components. *Iranian Journal of Endocrinology and Metabolism*, 20(2).
 57. Hosseini-Esfahani, F., Koochakpoor, G., Daneshpour, M. S., Mirmiran, P., Sedaghati-Khayat, B., & Azizi, F. (2017). The interaction of fat mass and obesity associated gene polymorphisms and dietary fiber intake in relation to obesity phenotypes. *Scientific Reports*, 7(1). doi:10.1038/s41598-017-18386-8
 58. Hosseini-Esfahani, F., Koochakpoor, G., Daneshpour, M. S., Sedaghati-Khayat, B., Mirmiran, P., & Azizi, F. (2017). Mediterranean dietary pattern adherence modify the association between FTO genetic variations and obesity phenotypes. *Nutrients*, 9(10). doi:10.3390/nu9101064

59. Hosseini-Esfahani, F., Koochakpoor, G., Mirmiran, P., Daneshpour, M. S., & Azizi, F. (2019). Dietary patterns modify the association between fat mass and obesity-associated genetic variants and changes in obesity phenotypes. *British Journal of Nutrition*, 121(11), 1247-1254. doi:10.1017/S0007114519000643
60. Hosseini-Esfahani, F., Mirmiran, P., Daneshpour, M. S., Mehrabi, Y., Hedayati, M., Soheilian-Khorzoghi, M., & Azizi, F. (2015). Dietary patterns interact with APOA1/APOC3 polymorphisms to alter the risk of the metabolic syndrome: the Tehran Lipid and Glucose Study. *British Journal of Nutrition*, 113(4), 644-653. doi:10.1017/S0007114514003687
61. Hosseini-Esfahani, F., Mirmiran, P., Daneshpour, M. S., Mehrabi, Y., Hedayati, M., Zarkesh, M., & Azizi, F. (2014). Western dietary pattern interaction with APOC3 polymorphism in the risk of metabolic syndrome: Tehran lipid and glucose study. *Journal of Nutrigenetics and Nutrigenomics*, 7(2), 105-117. doi:10.1159/000365445
62. Hosseini-Esfahani, F., Mirmiran, P., Daneshpour, M. S., Mottaghi, A., & Azizi, F. (2017). The effect of interactions of single nucleotide polymorphisms of APOA1/APOC3 with food group intakes on the risk of metabolic syndrome. *Avicenna Journal of Medical Biotechnology*, 9(2), 94-103.
63. Hosseini-Esfahani, F., Mirmiran, P., Koochakpoor, G., Daneshpour, M. S., Guity, K., & Azizi, F. (2017). Some dietary factors can modulate the effect of the zinc transporters 8 polymorphism on the risk of metabolic syndrome /692/308/174 /692/4017 /45/77 article. *Scientific Reports*, 7(1). doi:10.1038/s41598-017-01762-9
64. Hosseinpour-Niazi, S., Bakhshi, B., Zahedi, A. S., Akbarzadeh, M., Daneshpour, M. S., Mirmiran, P., & Azizi, F. (2021). TCF7L2 polymorphisms, nut consumption, and the risk of metabolic syndrome: a prospective population based study. *Nutrition and Metabolism*, 18(1). doi:10.1186/s12986-021-00542-7
65. Hosseinzadeh, N., Mehrabi, Y., Daneshpour, M. S., Alavi, M. H., & Azizi, F. (2012). Application of FBAT-MM and FBAT-LC multimarker methods in association of selected microsatellites with HDL-C in families with metabolic syndrome members: Tehran lipid and glucose study. *Iranian Journal of Epidemiology*, 8(1), 7-13.
66. Hosseinzadeh, N., Mehrabi, Y., Daneshpour, M. S., Majd, H. A., & Azizi, F. (2012). Genetic association of selected microsatellite with some metabolic syndrome components in Iranian Fars and Azari families. *Koomesh*, 13(4), 405-413.
67. Hosseinzadeh, N., Mehrabi, Y., Daneshpour, M. S., Zayeri, F., Guity, K., & Azizi, F. (2019). Identifying new associated pleiotropic SNPs with lipids by simultaneous test of multiple longitudinal traits: An Iranian family-based study. *Gene*, 692, 156-169. doi:10.1016/j.gene.2019.01.007
68. Ivarsdottir, E. V., Steinhorsdottir, V., Daneshpour, M. S., Thorleifsson, G., Sulem, P., Holm, H., . . . Stefansson, K. (2017). Effect of sequence variants on variance in glucose levels predicts type 2 diabetes risk and accounts for heritability. *Nature Genetics*, 49(9), 1398-1402. doi:10.1038/ng.3928
69. Jabbari, F., Mohseni Bandpei, A., Daneshpour, M. S., Shahsavani, A., Hashemi Nazari, S. S., Faraji Sabokbar, H., . . . Azizi, F. (2020). Role of Air Pollution and rs10830963

- Polymorphism on the Incidence of Type 2 Diabetes: Tehran Cardiometabolic Genetic Study. *Journal of Diabetes Research*, 2020. doi:10.1155/2020/2928618
70. Jalali-Farahani, S., Amiri, P., Abbasi, B., Karimi, M., Cheraghi, L., Daneshpour, M. S., & Azizi, F. (2017). Maternal Characteristics and Incidence of Overweight/Obesity in Children: A 13-Year Follow-up Study in an Eastern Mediterranean Population. *Maternal and Child Health Journal*, 21(5), 1211-1220. doi:10.1007/s10995-016-2222-7
 71. Javanrouh Givi, N., Najd Hassan Bonab, L., Barzin, M., Zahedi, A., Sedaghati-khayat, B., Akbarzadeh, M., & Daneshpour, M. S. (2021). The joint effect of PPARG upstream genetic variation in association with long-term persistent obesity: Tehran cardio-metabolic genetic study (TCGS). *Eating and Weight Disorders*. doi:10.1007/s40519-020-01063-7
 72. Javanrouh, N., Daneshpour, M. S., Soltanian, A. R., & Tapak, L. (2018). Kernel machine SNP set analysis provides new insight into the association between obesity and polymorphisms located on the chromosomal 16q.12.2 region: Tehran Lipid and Glucose Study. *Gene*, 658, 146-151. doi:10.1016/j.gene.2018.03.006
 73. Javanrouh, N., Khalaj, A., Guity, K., Sedaghati-khayat, B., Valizadeh, M., Barzin, M., & Daneshpour, M. S. (2020). Presence of CC Genotype for rs17773430 Could Affect the Percentage of Excess Weight Loss 1 Year After Bariatric Surgery: Tehran Obesity Treatment Study (TOTS). *Obesity Surgery*, 30(2), 537-544. doi:10.1007/s11695-019-04211-w
 74. Javanrouh, N., Soltanian, A. R., Tapak, L., Azizi, F., Ott, J., & Daneshpour, M. S. (2019). A novel association of rs13334070 in the RPGRIP1L gene with adiposity factors discovered by joint linkage and linkage disequilibrium analysis in Iranian pedigrees: Tehran Cardiometabolic Genetic Study (TCGS). *Genetic Epidemiology*, 43(3), 342-351. doi:10.1002/gepi.22179
 75. Karami, F., Noori-Daloi, M. R., Omidfar, K., Tabrizi, M., Hantooshzadeh, S., Aleyasin, A., . . . Modarressi, M. H. (2018). Modified methylated DNA immunoprecipitation protocol for noninvasive prenatal diagnosis of Down syndrome. *Journal of Obstetrics and Gynaecology Research*, 44(4), 608-613. doi:10.1111/jog.13577
 76. Karimoei, M., Pasalar, P., Mehrabzadeh, M., Daneshpour, M., Shojaee, M., Forouzanfar, K., & Razi, F. (2017). Association between apolipoprotein E polymorphism and nephropathy in Iranian diabetic patients. *Saudi journal of kidney diseases and transplantation : an official publication of the Saudi Center for Organ Transplantation, Saudi Arabia*, 28(5), 997-1002. doi:10.4103/1319-2442.215137
 77. Khazan, M., Yaghmaei, P., Behdadfar, M., Daneshpour, M. S., & Hedayati, M. (2010). Microwave digestion for urine iodine determination. *Iranian Journal of Endocrinology and Metabolism*, 12(1), 65-70+86.
 78. Kolifarhood, G., Daneshpour, M., Hadaegh, F., Sabour, S., Mozafar Saadati, H., Akbar Haghdoust, A., . . . Khosravi, N. (2019). Heritability of blood pressure traits in diverse populations: a systematic review and meta-analysis. *Journal of Human Hypertension*, 33(11), 775-785. doi:10.1038/s41371-019-0253-4

79. Kolifarhood, G., Daneshpour, M. S., Khayat, B. S., Saadati, H. M., Guity, K., Khosravi, N., . . . Sabour, S. (2019). Generality of genomic findings on blood pressure traits and its usefulness in precision medicine in diverse populations: A systematic review. *Clinical Genetics*, 96(1), 17-27. doi:10.1111/cge.13527
80. Kolifarhood, G., Daneshpour, M. S., Zahedi, A. S., Khosravi, N., Sedaghati-Khayat, B., Guity, K., . . . Sabour, S. (2021). Familial genetic and environmental risk profile and high blood pressure event: a prospective cohort of cardio-metabolic and genetic study. *Blood Pressure*. doi:10.1080/08037051.2021.1903807
81. Koochakpoor, G., Daneshpour, M. S., Mirmiran, P., Hosseini, S. A., Hosseini-Esfahani, F., Sedaghatikhayat, B., & Azizi, F. (2016). The effect of interaction between Melanocortin-4 receptor polymorphism and dietary factors on the risk of metabolic syndrome. *Nutrition and Metabolism*, 13(1). doi:10.1186/s12986-016-0092-z
82. Koochakpoor, G., Hosseini-Esfahani, F., Daneshpour, M. S., Hosseini, S. A., & Mirmiran, P. (2016). Effect of interactions of polymorphisms in the Melanocortin-4 receptor gene with dietary factors on the risk of obesity and Type 2 diabetes: a systematic review. *Diabetic Medicine*, 33(8), 1026-1034. doi:10.1111/dme.13052
83. Koochakpoor, G., Hosseini-Esfahani, F., Daneshpour, M. S., Mirmiran, P., & Azizi, F. (2019a). Food group interactions with genetic polymorphisms of CCND2, ZNT8 and MC4R in relation to risk of metabolic syndrome and its components. *Tehran University Medical Journal*, 76(10), 678-685.
84. Koochakpoor, G., Hosseini-Esfahani, F., Daneshpour, M. S., Mirmiran, P., & Azizi, F. (2019b). The interaction between dietary fiber and the mediterranean dietary pattern score with FTO gene polymorphisms in relation to obesity phenotypes. *Iranian Journal of Endocrinology and Metabolism*, 21(1), 9-20.
85. Koochakpoor, G., Mirmiran, P., Daneshpour, M. S., Hosseini-Esfahani, F., Sedaghati-Khayat, B., Hosseini, S. A., & Azizi, F. (2018). Dietary factors influence the association of cyclin D2 polymorphism rs11063069 with the risk of metabolic syndrome. *Nutrition Research*, 52, 48-56. doi:10.1016/j.nutres.2017.12.006
86. Koochakpoor, G., Esfandiar, Z., Hosseini-Esfahani, F., Mirmiran, P., Daneshpour, M. S., Sedaghati-Khayat, B., & Azizi, F. (2019). Evaluating the interaction of common FTO genetic variants, added sugar, and trans-fatty acid intakes in altering obesity phenotypes. *Nutrition, Metabolism and Cardiovascular Diseases*, 29(5), 474-480. doi:10.1016/j.numecd.2019.01.005
87. Koochakpoor, G., Mirmiran, P., Daneshpour, M. S., Hosseini-Esfahani, F., & Azizi, F. (2018). The interaction between some nutrients and CCND2, ZNT8, and MC4R polymorphisms in relation to metabolic syndrome and its components. *Journal of Mazandaran University of Medical Sciences*, 28(163), 10-23.
88. Lalami, Z. A., Ebrahimi, A., & Daneshpour, M. S. (2016). Evaluating the relation of rs1801282 polymorphism in PPAR- γ gene with obesity in Tehran Lipid and Glucose Study (TLGS) participants. *Tehran University Medical Journal*, 74(6), 415-424.

89. Lanjanian, H., Moazzam-Jazi, M., Hedayati, M., Akbarzadeh, M., Guity, K., Sedaghati-khayat, B., . . . Daneshpour, M. S. (2021). SARS-CoV-2 infection susceptibility influenced by ACE2 genetic polymorphisms: insights from Tehran Cardio-Metabolic Genetic Study. *Scientific Reports*, 11(1). doi:10.1038/s41598-020-80325-x
90. Majd, H. A., Paknazar, F., Mehrabi, Y., Daneshpour, M., Hedayati, M., Mirmohammadkhani, M., & Azizi, F. (2012). Association between C-reactive protein and high-density lipoprotein of cholesterol among adults in Tehran city. *Koomesh*, 13(3), 299-306.
91. Masjouidi, S., Sedaghati-khayat, B., Givi, N. J., Bonab, L. N. H., Azizi, F., & Daneshpour, M. S. (2021). Kernel machine SNP set analysis finds the association of BUD13, ZPR1, and APOA5 variants with metabolic syndrome in Tehran Cardio-metabolic Genetics Study. *Scientific Reports*, 11(1). doi:10.1038/s41598-021-89509-5
92. Matoo, S., Fallah, M. S., Daneshpour, M. S., Mousavi, R., Khayat, B. S., Hasanzad, M., & Azizi, F. (2017). Increased risk of CHD in the presence of Rs7865618 (A allele): Tehran lipid and glucose study. *Archives of Iranian Medicine*, 20(3), 153-157.
93. Mehrabzadeh, M., Pasalar, P., Karimi, M., Abdollahi, M., Daneshpour, M., Asadolahpour, E., & Razi, F. (2016). Association between ELMO1 gene polymorphisms and diabetic nephropathy in an Iranian population. *Journal of Diabetes and Metabolic Disorders*, 15(1). doi:10.1186/s40200-016-0265-3
94. Mirmiran, P., Esfandiar, Z., Hosseini-Esfahani, F., Koochakpoor, G., Daneshpour, M. S., Sedaghati-Khayat, B., & Azizi, F. (2017). Genetic variations of cholesteryl ester transfer protein and diet interactions in relation to lipid profiles and coronary heart disease: A systematic review. *Nutrition and Metabolism*, 14. doi:10.1186/s12986-017-0231-1
95. Moazzam-Jazi, M., Lanjanian, H., Maleknia, S., Hedayati, M., & Daneshpour, M. S. (2021). Interplay between SARS-CoV-2 and human long non-coding RNAs. *Journal of Cellular and Molecular Medicine*. doi:10.1111/jcmm.16596
96. Moazzam-Jazi, M., Najd Hassan Bonab, L., Zahedi, A. S., & Daneshpour, M. S. (2020). High genetic burden of type 2 diabetes can promote the high prevalence of disease: a longitudinal cohort study in Iran. *Scientific Reports*, 10(1). doi:10.1038/s41598-020-70725-4
97. Mousavizadeh, Z., Hosseini-Esfahani, F., Javadi, A., Daneshpour, M. S., Akbarzadeh, M., Javadi, M., . . . Azizi, F. (2020). The interaction between dietary patterns and melanocortin-4 receptor polymorphisms in relation to obesity phenotypes. *Obesity Research and Clinical Practice*, 14(3), 249-256. doi:10.1016/j.orcp.2020.04.002
98. Naghii, M. R., Mofid, M., Asgari, A. R., Hedayati, M., & Daneshpour, M. S. (2011a). Comparative effects of daily and weekly boron supplementation on plasma steroid hormones and proinflammatory cytokines. *Journal of Trace Elements in Medicine and Biology*, 25(1), 54-58. doi:10.1016/j.jtemb.2010.10.001
99. Naghii, M. R., Mofid, M., Asgari, A. R., Hedayati, M., & Daneshpour, M. S. (2011b). Comparative effects of daily and weekly boron supplementation on plasma steroid hormones and proinflammatory cytokines. *Physiology and Pharmacology*, 15(3), 403-414.

100. Najd Hassan Bonab, L., Moazzam-Jazi, M., Miri Moosavi, R. S., Fallah, M. S., Lanjanian, H., Masjoudi, S., & Daneshpour, M. S. (2021). Low HDL concentration in rs2048327-G carriers can predispose men to develop coronary heart disease: Tehran Cardiometabolic genetic study (TCGS). *Gene*, 778. doi:10.1016/j.gene.2021.145485
101. Naseri, M., Hedayati, M., Daneshpour, M., Bandarian, F., & Azizi, F. (2015). A comparison of lecithin cholesterol acyltransferase gene variation among individuals with high and low HDL levels in Tehran Lipid And Glucose Study (TLGS). *Iranian Journal of Endocrinology and Metabolism*, 17(3), 206-214.
102. Naseri, M., Hedayati, M., Daneshpour, M. S., Bandarian, F., & Azizi, F. (2014). Identification of genetic variants of lecithin cholesterol acyltransferase in individuals with high HDL-C levels. *Molecular Medicine Reports*, 10(1), 496-502. doi:10.3892/mmr.2014.2177
103. Naseri, M., Hedayati, M., Daneshpour, M. S., Bandarian, F., & Azizi, F. (2015). Association of lecithin cholesterol acyltransferase rs5923 polymorphism in Iranian individuals with extremely low high- density lipoprotein cholesterol: Tehran lipid and glucose study. *Iranian Biomedical Journal*, 19(3), 172-176.
104. Naseri, P., Khodakarim, S., Guity, K., & Daneshpour, M. S. (2018). Familial aggregation and linkage analysis with covariates for metabolic syndrome risk factors. *Gene*, 659, 118-122. doi:10.1016/j.gene.2018.03.033
105. Naseri, P., Khodakarim, S., Rafeie, M., & Daneshpour, M. S. (2015). Non-parametric methods in genetic linkage analysis. *Genetics in the Third Millennium*, 13(3), 4068-4075.
106. Omidfar, K., & Daneshpour, M. (2015). Advances in phage display technology for drug discovery. *Expert Opinion on Drug Discovery*, 10(6), 651-669. doi:10.1517/17460441.2015.1037738
107. Razi, F., Daneshpour, M. S., Karimoei, M., Mehrabzadeh, M., Bandarian, F., Bahreini, E., . . . Pasalar, P. (2018). AGTR1 rs5186 variants in patients with type 2 diabetes mellitus and nephropathy. *Meta Gene*, 15, 50-54. doi:10.1016/j.mgene.2017.11.001
108. Rostami, F., Haj Hosseini, R., Sharifi, K., Daneshpour, M., Azizi, F., & Hedayati, M. (2010). Association of G-174C polymorphism of the interleukin-6 gene promoter with obesity in Iranian population. *World Academy of Science, Engineering and Technology*, 70, 99-102.
109. Sadeghi, M., Daneshpour, M. S., Khodakarim, S., Momenan, A. A., Akbarzadeh, M., & Soori, H. (2020). Impact of secondhand smoke exposure in former smokers on their subsequent risk of coronary heart disease: evidence from the population-based cohort of the Tehran Lipid and Glucose Study. *Epidemiology and Health*, 42. doi:10.4178/epih.e2020009
110. Safarpour, M., Ebrahimi, A., & Daneshpour, M. S. (2015). From genome to gene: A review of genes and genetic variations associated with type 2 diabetes. *Tehran University Medical Journal*, 73(9), 615-623.

111. Saidpour, A., Kimiagar, M., Zahediasl, S., Ghasemi, A., Vafa, M., Abadi, A., . . . Zarkesh, M. (2012). The modifying effects of fish oil on fasting ghrelin mRNA expression in weaned rats. *Gene*, 507(1), 44-49. doi:10.1016/j.gene.2012.07.015
112. Saidpour, A., Zahediasl, S., Kimiagar, M., Vafa, M., Ghasemi, A., Abadi, A., . . . Zarkesh, M. (2011). Fish oil and olive oil can modify insulin resistance and plasma desacyl-ghrelin in rats. *Journal of Research in Medical Sciences*, 16(7), 862-871.
113. Sarbakhsh, P., Mehrabi, Y., Daneshpour, M., Zayeri, F., Zarkesh, M., & Azizi, F. (2013). Studying the interaction effects of gene polymorphisms on low level of HDL over time using transition logic regression: Tehran lipid and glucose study. *Iranian Journal of Endocrinology and Metabolism*, 15(4), 352-359.
114. Sarbakhsh, P., Mehrabi, Y., Daneshpour, M. S., Zayeri, F., & Zarkesh, M. (2013). Logic regression analysis of association of gene polymorphisms with low HDL: Tehran Lipid and Glucose Study. *Gene*, 513(2), 278-281. doi:10.1016/j.gene.2012.10.084
115. Sarbakhsh, P., Mehrabi, Y., Zayeri, F., Daneshpour, M., & Namdari, M. (2014). Association of polymorphisms and other risk factors with cholesterol level over time using logic random effect model: Tehran lipid and glucose study. *Koomesh*, 16(2), 193-201.
116. Sedaghati-khayat, B., Barzin, M., Akbarzadeh, M., Guity, K., Fallah, M. S., Pourhassan, H., . . . Daneshpour, M. S. (2020). Lack of association between FTO gene variations and metabolic healthy obese (MHO) phenotype: Tehran Cardio-metabolic Genetic Study (TCGS). *Eating and Weight Disorders*, 25(1), 25-35. doi:10.1007/s40519-018-0493-2
117. Sharifi, K., Haj Hosseini, R., Rostami, F., Faam, B., Daneshpour, M., Azizi, F., & Hedayati, M. (2010). Association of TNF- α promoter G-238A polymorphism and obesity in an Iranian population. *Iranian Journal of Endocrinology and Metabolism*, 12(3), 243-250+313.
118. Sheikholeslami, S., Yeganeh, M. Z., Rad, L. H., Daneshpour, M. S., & Hedayati, M. (2014). The frequency of G691S/S904S Haplotype of RET proto-oncogene in medullary thyroid carcinoma patients in Iranian population. *Tehran University Medical Journal*, 72(8), 526-532.
119. Shirazi, H. A., Hedayati, M., Daneshpour, M. S., Shafiee, A., & Azizi, F. (2012). Analysis of loss of heterozygosity effect on thyroid tumor with oxyphilia cell locus in familial non medullary thyroid carcinoma in Iranian families. *Indian Journal of Human Genetics*, 18(3), 340-343. doi:10.4103/0971-6866.107989
120. Shojaee, S., Daneshpour, M., Halalkhor, S., Azizi, F., & Hedayati, M. (2010). Allele frequency of C-482T polymorphism in apolipoprotein CIII gene in a Tehranian population: Tehran lipid and glucose study. *Iranian Journal of Endocrinology and Metabolism*, 12(2), 177-180+202.
121. Shojaei, S., Daneshpour, M., Halalkhor, S., Azizi, F., & Hedayati, M. (2011). Genetic association between metabolic syndrome and apolipoproteins. *Iranian Journal of Endocrinology and Metabolism*, 13(2), 209-220+232.

122. Steinthorsdottir, V., Thorleifsson, G., Sulem, P., Helgason, H., Grarup, N., Sigurdsson, A., . . . Stefansson, K. (2014). Identification of low-frequency and rare sequence variants associated with elevated or reduced risk of type 2 diabetes. *Nature Genetics*, 46(3), 294-298. doi:10.1038/ng.2882
123. Styrkarsdottir, U., Helgason, H., Sigurdsson, A., Norddahl, G. L., Agustsdottir, A. B., Reynard, L. N., . . . Stefansson, K. (2017). Whole-genome sequencing identifies rare genotypes in COMP and CHADL associated with high risk of hip osteoarthritis. *Nature Genetics*, 49(5), 801-805. doi:10.1038/ng.3816
124. Tehrani, F. R., Daneshpour, M., Hashemi, S., Zarkesh, M., & Azizi, F. (2013). Relationship between polymorphism of insulin receptor gene, and adiponectin gene with PCOS. *Iranian Journal of Reproductive Medicine*, 11(3), 185-194.
125. Zadeh-Vakili, A., Faam, B., Daneshpour, M. S., Hedayati, M., & Azizi, F. (2012). Association of CD36 gene variants and metabolic syndrome in Iranians. *Genetic Testing and Molecular Biomarkers*, 16(4), 234-238. doi:10.1089/gtmb.2011.0195
126. Zadeh-Vakili, A., Ramezani Tehrani, F., Daneshpour, M. S., Zarkesh, M., Saadat, N., & Azizi, F. (2013). Genetic polymorphism of vitamin D receptor gene affects the phenotype of PCOS. *Gene*, 515(1), 193-196. doi:10.1016/j.gene.2012.11.049
127. Zadeh Vakili, A., Faam, A., Daneshpour, M., Hedayati, M., & Azizi, F. (2013). Association of rs10499859 A>G and rs13246513 C>T variants of CD36 gene and metabolic syndrome: TLGS. *Iranian Journal of Endocrinology and Metabolism*, 15(1), 86-93.
128. Zahedi, A. S., Akbarzadeh, M., Sedaghati-Khayat, B., Seyedhamzehzadeh, A., & Daneshpour, M. S. (2021). GCKR common functional polymorphisms are associated with metabolic syndrome and its components: a 10-year retrospective cohort study in Iranian adults. *Diabetology and Metabolic Syndrome*, 13(1). doi:10.1186/s13098-021-00637-4
129. Zahedi, A. S., Sedaghati-Khayat, B., Behnami, S., Azizi, F., & Daneshpour, M. S. (2018). Associations of common polymorphisms in GCKR with metabolic syndrome. *Tehran University Medical Journal*, 76(7), 459-468.
130. Zaman, J., Jeddi, S., Daneshpour, M. S., Zarkesh, M., Daneshian, Z., & Ghasemi, A. (2015). Ischemic postconditioning provides cardioprotective and antiapoptotic effects against ischemia-reperfusion injury through iNOS inhibition in hyperthyroid rats. *Gene*, 570(2), 185-190. doi:10.1016/j.gene.2015.06.011
131. Zarkesh, M., Daneshpour, M., Hedayati, M., & Azizi, F. (2012). Association of apolipoprotein A-IV gene G360T polymorphism with metabolic syndrome: Tehran lipid and glucose study. *Iranian Journal of Endocrinology and Metabolism*, 14(1), 10-17.
132. Zarkesh, M., Daneshpour, M. S., Faam, B., Fallah, M. S., Hosseinzadeh, N., Guity, K., . . . Azizi, F. (2012). Heritability of the metabolic syndrome and its components in the Tehran Lipid and Glucose Study (TLGS). *Genetics Research*, 94(6), 331-337. doi:10.1017/S001667231200050X
133. Zarkesh, M., Daneshpour, M. S., Faam, B., Hedayati, M., & Azizi, F. (2012). Is there any association of apolipoprotein E gene polymorphism with obesity status and lipid

profiles? Tehran Lipid and Glucose Study (TLGS). *Gene*, 509(2), 282-285. doi:10.1016/j.gene.2012.07.048

134. Zarkesh, M., Faam, B., Daneshpour, M. S., Azizi, F., & Hedayati, M. (2012). The Relationship between Metabolic Syndrome, Cardiometabolic Risk Factors and Inflammatory Markers in a Tehranian Population: The Tehran Lipid and Glucose Study. *Internal Medicine*, 51(24), 3329-3335. doi:10.2169/internalmedicine.51.8475
135. Zarkesh, M., Hosseiniapanah, F., Barzin, M., Hosseinzadeh, N., Guity, K., Daneshpour, M. S., & Azizi, F. (2014). Recurrence risk ratio of siblings and familial aggregation of the metabolic syndrome among Tehranian population. *Archives of Iranian Medicine*, 17(6), 411-416.

National:

1. **Daneshpour MS**, Fallah MS, and Eshraghi P. Revolution of DNA Sequencing Method from the Past until Today. *Modares Journal of Medical Sciences: Pathobiology* 2014; 16(4):p.1-13.
2. Shojaei S, **Daneshpour MS**, Halalkhor S, Azizi F, Hedayati M, Genetic association between metabolic syndrome and apolipoproteins. *International journal of endocrinology and metabolism*, **2011**. 13(2(56)): 209-220.
3. Sharifi K, Azizi F, Rostami F, **Daneshpour MS**, Hedayati M, Association between tnfr- α promoter g-308a and g-238a polymorphisms and obesity in tehran lipid glucose study population. *Pajooohandeh*, **2011**. 15(6(78)): 247-256.
4. Saidpour A, Kimiagar M, Zahediasl S, Vafa M, Ghasemi A, Abadi A, **Daneshpour MS**, Zarkesh M, Effects of high-fat diets based on butter or soybean, olive or fish oil on insulin resistance and plasma desacyl-ghrelin in rats. *Journal of nutrition science and food technology*, **2011**. 6(3(22)): 39-48.
5. Hedayati M, Salehi jahromi M, Hoghoughi rad L, Zarif yeganeh M, **Daneshpour MS**, Azizi F, Association of polymorphisms g1193/c exon 8 and c2145/t exon 12 with anti-TPO titer in Iranian population. *Iranian journal of endocrinology and metabolism (IJEM)* **2011**. 13(3(57)): 288-293.
6. Fam B, **Daneshpour MS**, Azizi F, Hedayati M, Association of T2229/C exon 12 polymorphisms of thyroid peroxidase gene with anti-TPO levels in Tehran population. *Journal of Zahedan university of medical science and health services*, **2011**. 19(74): 37-43.
7. **Daneshpour MS**, Houshmand M, Zeinali S, Hedayati M, Zarkesh M, Azizi F, Allele frequency of 12 microsatellites in chromosome 8, 11, 12 and 16 in Tehran lipid and glucose study. *Iranian journal of endocrinology and metabolism (IJEM)*, **2011**. 12(6): 580-587.
8. Akbarzadeh M, Alavi majd H, **Daneshpour MS**, Mehrabi Y, Azizi F, Analyzing of multivariate two levels haseman-elston regression and its application in genetic linkage of HDL-c, triglycerides and waist in 91 iranian families with metabolic syndrome. *Koomesh*, **2011**. 12(3(39)): 266-271.

9. Akbarzadeh M, Alavi Majd H, **Daneshpour MS**, Mehrabi Y, Azizi F, Multivariate Two Level Haseman-Elston Regression and its application in Genetic Linkage Analysis of HDL-C, Triglycerides and Waist in 91 Iranian families with metabolic syndrome Koomesh j of Semnan University, **2011**. 12(3(39)): 266-271.
10. Shojaei S, **Daneshpour MS**, Halalkhor S, Azizi F, Hedayati M, Allele Frequency of C-482T Polymorphism in Apolipoprotein CIII Gene in a Tehranian Population: Tehran Lipid and. Iranian journal of endocrinology and metabolism, **2010**. 12(2): 177-80.
11. Mofid B, Eshraghi P, **Daneshpour MS**, Hedayati M, Association between IVS4 polymorphism in PTEN gene with breast cancer in Iranian women. Pajouhesh Quarterly Research journal, **2010**. 33(3): 179-182.
12. Khazan M, Yaghmaei P, Behdadfar L, **Daneshpour MS**, Hedayati M, Microwave Digestion for Urine Iodine Determination Iranian j of Endocrinology and Metabolism, **2010**. 12(1): 65-70.
13. Hedayati M, Zarif Yeganeh M, **Daneshpour MS**, Delbarpour A, Azizi F, Common mutation in exon 10 and 11 of RET protooncogene in medullary thyroid cancer in Iranian patient. Kowsar Medical Journal, **2010**. 15(1): 17-21.
14. Faam B, Hajihoseini R, **Daneshpour MS**, Azizi F, Hedayati M, Association of A1936/G exon11 polymorphism of thyroid peroxidase gene with Anti-TPO levels in an Iranian population. Iranian j of Endocrinology and Metabolism, **2010**. 49(12): 60-64.
15. Atashi Shirazi H, Zarif Yeganeh M, Shafi'ie A, MS. D, Azizi F, Hedayati M, Heterozygosity loss of TCO gene in Iranian families with hereditary non-medullary thyroid carcinoma. Kowsar Medical Journal, **2010**. 15(2): 83-87.
16. Akbarzadeh M, Alavi Majd H, Mehrabi Y, **Daneshpour MS**, Azizi F, Genetic Linkage Analysis of HDL-C in 91 Iranian families with metabolic syndrome with Haseman-Elston Regression methods. J of Army university, **2010**. 7(4(28)).
17. **Daneshpour MS**, Hedayati M, Eshraghi P, Hooshmand M, Azizi F, Association of apolipoprotein E gene polymorphism and lipid level in an Iranian population: Tehran Lipid and Glucose study. Iranian j of diabetes and lipid, **2008**. 7(4): 399-405.
18. Hedayati M, Ordookhani A, **Daneshpour MS**, Azizi F, Acid digestion and microplate reading method for milk iodine determination. Iranian Journal of Endocrinology & Metabolism **2007**. 8(4): 357-363.
19. Eshraghi P, Hedayati M, **Daneshpour MS**, Mirmiran P, Azizi F, Association of Trp64Arg Polymorphism of the β 3-Adrenoreceptor Gene, Body Mass Index and Serum Leptin Level in Tehran Lipid and Glucose Study Journal of Iran University of Medical Science **2007**. 14(56): 29-36.
20. **Daneshpour MS**, Mehrabi Y, Hedayati M, Houshmand M, Azizi F, A multivariate study of metabolic syndrome risk factors, using factor analysis: Tehran Lipid and Glucose. Iranian Journal of Endocrinology & Metabolism, **2006**. 8(2): 139-146.
21. Hedayati M, Tajic A, **Daneshpour MS**, Kazemi A, Simple method for revealing of false negative results of urine morphine caused by adulterants. Pajouhesh Quarterly Research journal, **2005**. 23(2): 121-125.

22. Hedayati M, Hosseinpanah F, Sarveghadi F, Tohidi M, **Daneshpour MS**, Eshraghi P, Azizi F, Association of Apolipoprotein E gene polymorphism and obesity in an Iranian population: Tehran Lipid and Glucose study. *Iranian Journal of Endocrinology & Metabolism*, **2005**. 7(5): 85-90.
23. Hedayati M **Daneshpour MS**, Evaluation of HDL-C determination methods. *Iranian Journal of Endocrinology & Metabolism*, **2005**. 7(4): 365-373.
24. Eshraghi P, Hedayati M, **Daneshpour MS**, Mirmiran P, Azizi F, Association of B3 adenoceptor polymorphism Arg64Trp and obesity in Tehran Lipid and Glucose Study. *Iranian Journal of Endocrinology & Metabolism* **2005**. 7(4): 393-398.
25. **Daneshpour MS**, Hedayati M, Azizi M, Hardy-Weinberg law and linkage disequilibrium analysis in the TaqI and -629C>A polymorphisms in CETP gene in Tehran. *Iranian Journal of Endocrinology & Metabolism*, **2005**. 7(4): 399-403.
26. **Daneshpour MS**, Hedayati M, Azizi M, Association between CETP activity and TaqI , - 629C>A polymorphisms in CETP gene and HDL-C level in Tehran. *Iranian Journal of Endocrinology & Metabolism*, **2005**. 7(4): 387-391.
27. **Daneshpour MS**, Hedayati M, Azizi M, Hepatic Lipase C-514T polymorphism and its association with HDL-C level in Tehran. *Kowsar Medical Journal*, **2005**. 10(2): 135-142.
28. **Daneshpour MS**, Hedayati M, Azizi F, Association of the TaqI and -629C>A polymorphisms in CETP gene with low level of HDL-C in Tehran. *Pajouhesh Quarterly Reaearch journal*, **2005**. 29(1): 13-17.
29. **Daneshpour MS**, Hedayati M, Azari F, Ghasemi F, Azizi F, Association of B2 allele frequency in CETP gene with low level of HDL-C in Tehran. *Journal of Iran University of Medical Science*, **2005**. 11(43): 757-764.
30. **Daneshpour MS**, Hedayati M, Azari F, Ghasemi F, Azizi F, Association between the cholesteryl ester transfer protein_TaqI polymorphism and low HDL-C concentration in Tehran population. *Iranian Journal of Endocrinology & Metabolism*, **2004**. 5(Suplement): 355-361.

Congress presentation:

1. Oral:

2. **Daneshpour MS**, Rebai A, Houshmand M, Alfadhli S, Zeinali S, Hedayati M, Zarkesh M, Azizi F, 8q24.3 and 11q25 chromosomal loci association with low HDL-C in metabolic syndrome in Iranian families: New hopes for low HDL-C gene localization, in The 8th International Congress of Endocrine Disorders. 2009: Tehran, Iran.
3. Eshraghi P, **Daneshpour MS**, Hedayati M, Azizi F, Apolipoprotein B allele frequency and the effect of its polymorphism on lipid levels in Iranian population: Tehran Lipid and Glucose study, in 16th European Congress on Obesity (ECO). 2008: Geneva, Switzerland.
4. Rezaei-Ghaleh N, Hedayati M, **Daneshpour MS**, Etemadi A, Azizi F, A common promoter variant of Leptin gene and metabolic syndrome in an Iranian urban population, in 13th Asia-Oceania Congress of Endocrinology (AOCE) 2006: Tehran, Iran.
5. Hedayati M, Ordookhani A, **Daneshpour MS**, Azizi F, Acid digestion and microplate reading method for milk iodine determination, in 13th Asia-Oceania Congress of Endocrinology (AOCE) 2006: Tehran, Iran.
6. Eshraghi P, Hedayati M, **Daneshpour MS**, Mirmiran P, Azizi F, Association of B3-adrenoceptor gene polymorphism and obesity in Tehran lipid and glucose study population, in 13th Asia-Oceania Congress of Endocrinology (AOCE). 2006: Tehran, Iran.
7. **Daneshpour MS**, Hedayati M, Azizi F, Association between the activity and common polymorphisms of cholesteryl ester transfer protein (CETP) and HDL-C concentration in Tehran, in 1st International Conference on Hypertension, Lipids, Diabetes and Stroke Prevention. 2006: Paris, France.
8. Atashi Shirazi H, Hedayati M, Shafiee A, **Daneshpour MS**, Azizi F, LOH analysis of candidate regions of TCO in Familial non-medullary thyroid cancer in Iranian patients, in 13th Asia-Oceania Congress of Endocrinology (AOCE). 2006: Tehran, Iran.
9. **Daneshpour MS**, Hedayati M, Azizi F, Hepatic lipase C-514T polymorphism and its association with HDL-C level in Tehran. , in 8th Iranian congress of Biochemistry and first international congress of Biochemistry & molecular biology. 2005: Tehran, Iran.
10. **Daneshpour MS**, Hedayati M, Azari F, Ghasemi F, Azizi F, Association between the cholesteryl ester transfer protein_TaqI polymorphism and low HDL-C concentration in Tehran population, in 7th International Congress of Endocrine Disorders. 2004: Tehran, Iran.
11. Akbarzadeh M, Alavi Majd H, Mehrabi Y, **Daneshpour M**, Azizi F, Haseman-Elston Regression and its extension in 10th Iranian statistical conferences. 2010: Tbriz.

12. Poster:

1. **Daneshpour MS**, Alfadhli S, Houshmand M, Zeinali S, Hedayati M, Zarkesh M, and Azizi F. 17th European Congress of Obesity, Amsterdam, Netherlands (May 5-8) 2009
2. **Daneshpour MS**, Behnami S, Hedayati M, and Azizi F. 11th European Congress of Endocrinology Istanbul, Turkey (April 25-29) 2009

3. **Daneshpour MS**, Eshraghi P, Hedayati M, Delbarpour A, and Azizi F. 14th Congress of the ASEAN Federation of Endocrine Societies, Kuala Lumpur, Malaysia (November 29-30) 2007
4. **Daneshpour MS**, Hedayati M, and Azizi M. 8th Iranian congress of Biochemistry and first international congress of Biochemistry & molecular biology, Tehran, Iran (September 11-15) 2005
5. **Daneshpour MS**, Hedayati M, Eshraghi P, and Azizi F. 16th European Congress of Obesity, Geneva, Switzerland (May 14-17) 2008
6. **Daneshpour MS**, Hedayati M, Eshraghi P, and Azizi F. 16th European Congress on Obesity, Geneva, Switzerland (May 14-17) 2008
7. **Daneshpour MS**, Houshmand M, Hedayati M, Alfadhli S, and Azizi F. 20th International Congress of Genetics, Berlin, Germany (July 12-17) 2008
8. **Daneshpour MS**, Houshmand M, Hedayati M, Alfadhli S, and Azizi F. European human genetics Barcelona, Spain (31 May- 3 June) 2008
9. **Daneshpour MS**, Mehrabi Y, Hedayati M, Houshmand M, and Azizi F. 13th Asia-Oceania Congress of Endocrinology (AOCE) Tehran, Iran (May 10-12) 2006
10. Hedayati M, **Daneshpour MS**, Eshraghi P, Delbarpour A, and Azizi F. 17th European Congress of Obesity Amsterdam, Netherlands (May 5-8) 2009
11. Hedayati M, **Daneshpour MS**, Halalkhor S, Eshraghi P, and Azizi F. 16th European Congress of Obesity, Geneva, Switzerland (May 14-17) 2008
12. Hedayati M, **Daneshpour MS**, Salehi M, and Azizi F. 11th European Congress of Endocrinology Istanbul, Turkey (April 25-29) 2009
13. Amiri P, **Daneshpour MS**, Hosseini F, Padyam M, Rambod M, Mehrabi Y, Montazerei A, Zahedi-Asl S, and Azizi F. 14th Congress of the ASEAN Federation of Endocrine Societies., Kuala Lumpur, Malaysia (Nov 7-9) 2007
14. Amiri P, **Daneshpour MS**, Hosseini F, Padyam M, Rambod M, Mehrabi Y, Montazerei A, Zahedi-Asl S, and Azizi F. 14th Congress of the ASEAN Federation of Endocrine Societies., Kuala Lumpur, Malaysia (Nov 7-9) 2007
15. Amiri P, **Daneshpour MS**, Rambod M, Hosseini F, Padyab M, and Azizi F. 14th Congress of the ASEAN Federation of Endocrine Societies, Kuala Lumpur, Malaysia (Nov 7-9) 2007