

· CURRICULUM VITAE

SURNAME: Sherkat

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DATE OF BIRTH: 16 th July 1962

MEDICAL SCHOOL: Isfahan University of Medical Sciences, Iran
(1983-1989)

POSTGRADUATE TRAINING:

Feb 1988 - Aug 1989 Internship

Sep 1989 - Dec 1992 Speciality:
A Basic Course in Immunology, Microbiology ...
Internal Medicine
Pediatrics
Infectious and tropical Diseases
(Adult, Pediatrics)

Postgraduate training (subspecialty) UK:

Jan 1993 to Mar 1993 English language unit (University of Leeds)

Apr 1993 to June 1993 Infectious Diseases (Seacroft University Hospital, Leeds)

Jun 1993 to Dec 1996 Regional immunology Service
(St. James's University Hospital, Leeds)
U.K. Training Program for Higher Specialist Training in
Immunology and Allergy, MRCPATH Scheme:
Clinical Immunology & Allergy
Pediatric Hematology & Oncology
Rheumatology

Chest Medicine
Pediatrics
Genito-Urinary Medicine (HIV & STD)
Renal Transplant
Liver Transplant
Dermatology
Haematology , Oncology
Cyclic Fibrosis
Chronic Fatigue Syndrome
Immunology Lab.
Bacteriology & Mycology Lab.
Virology Lab.

Degrees:

M.D, 1989

Specialty: Infectious and Tropical Diseases, 1993

Sub-Specialty: Clinical Immunology and Allergy, 1996

Professional Experiences:

- 1) Academic member of Infectious and Tropical Disease Department, Isfahan University of Medical Sciences
- 2) Part time academic Member of Infectious and Tropical Disease Research Center, Isfahan University of Medical Sciences
- 3) Infectious and Tropical Disease Research Center research committee member , Isfahan University of Medical Sciences
- 4) Head of Isfahan Immunodeficiency Research Unit , Infectious and Tropical Disease Research Center, Isfahan University of Medical Sciences

- 5) Member of Infectious Disease Committee of Medical Logics , Isfahan Province , Iran
- 6) Member of Alzahra University Hospital Death Committee
- 7) Member of Alzahra University Hospital Health Committee
- 8) Member of Alzahra University Hospital Research Unit
- 9) Head of Infectious and Tropical Disease Research Center Immunology Laboratory, Isfahan University of Medical Sciences
- 10) Head of Isfahan Immunodeficiency Association
- 11) Head of Acquired Immunodeficiency Research Center, Isfahan University of Medical Sciences

Memberships:

- 1) European Society of Immunodeficiency Diseases
- 2) British Society of Clinical Immunology
- 3) Iranian Society of Immunology and Allergy
- 4) Iranian Society of Asthma, Allergy and Immunology
- 5) Iranian Society of Infectious Disease

Publications

Article:

1. Aghamohammadi A. Moin M. Sherkat R. The spectrum of primary immunodeficiency disorders in Iran, ACTA Medical Iranica 2002, Vol 4, No. 3, 165-70.
2. Aghamohammadi A. Moin M. Sherkat R. Primary immunodeficiency in Iran: First report of national registry of RID in children and adults. Journal of clinical immunology, Nov. 2002, Vol 22, No 6, 375-80.
3. Emami Naini A.R. Sherkat R. Davarpanah M.A., Does it need to consider another booster dose of measles vaccine? Iranian Journal of Medical Sciences, 2002, 27, 1, 1.
4. Garak Yaraghi M. Sherkat R. Hemat A.R. Association of previous Chlamydia pneumonia infection and coronary artery disease. Journal of Isfahan Medical School 2003, Vol 21, No 68, 43.
5. Sherkat R., Asikian A., et. al., Association of chronic urticaria and/or angioedema with thyroid autoimmunity. journal of shahid Sadoughi University of medical science and health services. 2004, Vol 12, No. 3, 51-57
6. Sherkat R. , Mycobacterial infection in chronic granulomatous disease. Clinical and Experimental Allergy 2004;34(11): 1809-1809.
7. Sherkat R. Garak Yaraghi M., et. al., Anti-cardiolipin antibodies and risk of coronary heart disease (a hospital-based case-control study) hamdard medicus. 2005
8. Rezaei N, Aghamohammadi A, Moin M, Pourpak Z, Movahedi M, Gharagozlou M, Atarod L, Ghazi BM, Isaeian A, Mahmoudi M, Abolmaali K, Mansouri D, Arshi S, Tarash NJ, Sherkat R, Akbari H, Amin R, Alborzi A, Kashef S, Farid R, Mohammadzadeh I, Shabestari MS, Nabavi M, Farhoudi A. . Frequency and clinical manifestations of patients with primary immunodeficiency disorders in Iran: update from the Iranian Primary Immunodeficiency Registry. J Clin Immunol. 2006 Nov; 26(6):519-32.

9. Rezaei N. Pourpak Z. , ... , Sherkat R. Consanguinity in Primary Immunodeficiency Disorders; The Report from Iranian Primary Immunodeficiency Registry. *American Journal Reproductive Immunology* 56 (2006) 145-151

10. Moin M. Farhpudi A.,..., Sherkat R. The clinical and laboratory survey of Iranian patients with Hyper-IgE syndrome. *Scandinavian Journal of Infections Diseases*, 2006; 38: 898-903.

11. Rezaei N. Aghamohammadi, ..., A. Sherkat R. Frequency and clinical manifestations of patients with primary immunodeficiency disorders in Iran: update from the Iranian Primary Immunodeficiency Registry. Frequency and clinical manifestations of patients with Primary Immunodeficiency Disorders in Iran: Update from the Iranian Primary Immunodeficiency Registry. *J Clin Immunol.* 2006 Nov; 26(6):519-32.

11. Sherkat Roya. Kalantari A. Ahmadi M. Daneshmand F. Arshadi M. Alameh Z. Alameh T. Rostami S. Seropositivity of cytomegalovirus in women with unexplained recurrent spontaneous abortions. *World Allergy Organization Journal*: November 2007 - Volume - Issue - pp S26-S27

12. Rezaei N. Moin M. Pourpak Z. Ramyar A. Izadyar M. Chavoshzadeh Z. Sherkat R. Aghamohammadi A. Yeganeh M. Mahmoudi M. Mahjoub F. Germeshausen M. Grudzien M. Horwitz MS. Klein C. Farhoudi A. The clinical, immunohematological and molecular study of Iranian patients with severe congenital neutropenia. *J Clin Immunol.* 2007 Sep; 27(5): 525-33.

13. Sherkat R., Mostafavizadeh K. Ziedabadie L. Shoaie P. Anti-neutrophil cytoplasmic antibodies in patients with pulmonary tuberculosis. *World Allergy Organization Journal*: November 2007 - Volume - Issue - p S132

14. Rezaei N. Moin M. Pourpak Z. Ramyar A. Izadyar M. Chavoshzadeh Z. Sherkat R. Aghamohammadi A. Yeganeh M. Mahmoudi M. Mahjoub F. Germeshausen M. Grudzien M, Horwitz MS. Klein C. Farhoudi A. **The clinical, immunohematological, and molecular study of Iranian patients with severe congenital neutropenia.** J Clin Immunol. 2007 Sep; 27(5):525-33.
15. Sherkat R. ,Chronic idiopathic urticaria and brucellosis, World Allergy Organization. Journal November 2007- Volume :Issue - p S160
16. Sherkat R., D. Taheri, S. Biria, H. R. Suzangar ,Hypergammaglobulinemia and tow CD19 count in a case with thymoma and recurrent infection. Clinical and Experimental Immunology 2008;154(): 197-197.
17. Sherkat R. et.al.,Bordetella pertussis infection in adolescents. Journal of Military Medicine, Volume 10 , Number 4, 269-272
18. Sherkat R., Farzaneh P.,Hasanzadeh A., Kalantary A. Ahmadi M. . The association between cmv infection , antiphos pholipid antibodies and serum gammaglobulins in patients with recurrent spontaneous abortion . Annals of allergy , asthma & immunology. 2009
19. R. Sherkat, M. Garak-Yaraghi, M. Janghorbani, S. Izadi, B. Rafiee-Moghadam, J. Hasheminia Anti-Cardiolipin Antibodies and Risk of Coronary Heart Disease. Clinical Immunology 2009;131(): S147-S147.
20. Sherkat R. ,Farzanfar E. ,Farajzadegan Z. A , Kalantary A., Ahmadi M. Z Alameh Z. , Movahedie M. , Rezaie A. . Immunologic Markers and Immunotherapy Outcome in Patients with Unexplained Infertility, Primary and Secondary Recurrent Pregnancy Loss .Clinical Immunology, 2009;131(1): 78
21. R. Sherkat, M. Garak-Yaraghi, M. Janghorbani, S. Izadi, B. Rafiee-Moghadam, J. Hasheminia .Anti-Cardiolipin Antibodies and Risk of Coronary Heart Disease.Clinical Immunology 2009;131(): S147-S147.
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24.Aghamohammadi A. Shafiei A. Abolhassani H. Sherkat R. Mahjoub F. Rezaei N. . Renal amyloidosis in common variable immunodeficiency *Nefrologia* 2010; 30(4):474-6.

25. Sherkat R, Mostafavizadeh K, Zeydabadi L, Shoaei P, Rostami S. Antineutrophil cytoplasmic antibodies in patients with pulmonary tuberculosis . *Iran J Immunol*. 2011 Mar; 8(1):52-7.

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28. Fereshteh Ashtari , Alia Saberi ,Vahid Shayegannejad, Alireza Khosravi, Roya Sherkat , Elham Khosravi. Association between chlamydia pneumoniae infection and carotid atherosclerotic. plaques. *Journal of Research in Medical Sciences* .2007 January ;12 (4)

29.Sherkat R, Shoaei P, Parvaneh N, Babak A, Kassaian N. Selective antibody deficiency and its relation to the IgG2 and IgG3 subclass titers in recurrent respiratory infections. *Iran J Immunol*. 2013 Mar; 10(1):55-60.

30. Batoul Tarokhian, M.Sc., Roya Sherkat, M.D., Mohammad Hossein Nasr Esfahani, Ph.D., Minoo Adib, Ph.D., Abbas Kiani

Esfahani, M.Sc., Behrooz Ataei, M.D . CD107a Expression and IFN- γ production as markers for evaluation of cytotoxic CD3⁺CD8⁺T Cell response to CMV antigen in women with recurrent spontaneous abortion

31.Reza Yazdani, Mazdak Ganjalikhani Hakemi, Roya Sherkat, Vida Homayouni, Rahim Farahani . Genetic defects and the role of helper T-cells in the pathogenesis of common variable immunodeficiency. *Advanced Biomedical Research* .2014 January-March; 3(1)

32.Mazdak Ganjalikhani-Hakemi, Reza Yazdani, Roya Sherkat, Vida Homayouni, Mohsen Masjedi, Mohsen Hosseini .Evaluation of the T helper 17 cell specific genes and ILC in CVID

33. Roya Sherkat, Majid Yaran, Parisa Shoaie, Mojgan Mortazavi, Shahrzad Shahidi, Hossein Hamidi, Shiva Seirafian, Shahram Taheri, Ziba Farajzadegan, Soodabeh Rostami .Concordance of the tuberculin skin test and T-SPOT(®).TB test results in kidney transplant candidates . *Journal of research in medical sciences* . 03/2014; 19(Suppl 1):S26-9.

34. Asghar Aghamohammadi, Payam Mohammadinejad, Hassan Abolhassani, Babak Mirminachi, Masoud Movahedi, Mohammad Gharagozlou, Nima Parvaneh, Vaheid Zeiaee, Bahram Mirsaeed-Ghazi, Zahra Chavoushzadeh, [.....], Saba Arshi, Naser Javahertrash, Mohammad Nabavi, Mohammad Hassan Bemanian, Alireza Shafiei, Najmedin Kalantari, Akefeh Ahmadiafshar, Hossein Ali Khazaei, Lida Atarod, Nima Rezaei . Primary Immunodeficiency Disorders in Iran: Update and New Insights from the Third Report of the National Registry. *Journal of Clinical Immunology* 03/2014; .

35.Mohsen Meidani, Alireza Emami Naeini, Mojtaba Rostami, Roya Sherkat, Katayoun Tayeri. Immunocompromised patients. Review of the most common infections happened in 446 hospitalized patients. *Journal of research in medical sciences : the official journal of Isfahan University of Medical Sciences*. 03/2014; 19(Suppl 1):S71-3.

36. Dr. Roya Sherkat, Dr. Mazdak Ganjalikhani Hakemi, Rahim Farahani, Reza Yazdani, Dr. Abbas Rezaei . Evaluation of newly identified helper T cells specific cytokines expressions in the peripheral blood and sputum samples of patients with Asthma .12th International Congress of Immunology & Allergy, Tehran ,Iran

37. Rahim Farahani, Roya Sherkat, Mazdak Ganjalikhani Hakemi, Nahid Eskandari, Reza Yazdani Cytokines (interleukin-9, IL-17, IL-22, IL-25 and IL-33) and asthma . Advanced Biomedical Research. 01/2014;

38. Reza Yazdani, Mazdak Ganjalikhani Hakemi, Roya Sherkat, Vida Homayouni, Rahim Farahani. Genetic defects and the role of helper T-cells in the pathogenesis of common variable immunodeficiency. Advanced biomedical research. 01/2014; 3:2.

39. Mazdak Ganjalikhani-Hakemi, Reza Yazdani, Roya Sherkat, Vida Homayouni, Mohsen Masjedi, Mohsen Hosseini .Evaluation of the T helper 17 cell specific genes and the innate lymphoid cells counts in the peripheral blood of patients with the common variable immunodeficiency .The second International congress of Immunology & Allergy of Iran;

39. Reza Yazdani, Mazdak Ganjalikhani Hakemi, Roya Sherkat, Mohsen Masjedi, Hamid Zarkesh, Mohsen Hosseini. Evaluation of IL-17 Gene Expression in the Peripheral Blood of Patients with Common Variable Immunodeficiency . 01/2013; 31(228).

40. Meidani M, Naeini AE, Rostami M, Sherkat R, Tayeri K. .Immunocompromised patients: Review of the most common infections happened in 446 hospitalized patients. J Res Med Sci. 2014 Mar;19(Suppl 1):S71-3.

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homeostasis and congenital neutropenia. *Nat Genet.* 2014 Aug 17. doi: 0.1038/ng.3069.

42. Reza Yazdani, Mazdak Ganjalikhani Hakemi, Roya Sherkat, Abbas Rezaei, Rahim Farahani, Behrouz Beiranvand: Evaluation of IL-17 gene expression in peripheral blood and sputum of asthma patients and healthy individuals. *Tehran University Medical Journal* 12/2014; 72:595-600.

43. Asghar Aghamohammadi, Hassan Abolhassani, AmirHossein Latif, Firouzeh Tabassomi, Tahaamin Shokuhfar, Babak Torabi Sagvand, Shervin Shahinpour, Babak Mirminachi, Nima Parvaneh, Masoud Movahedi, [.....], Davood Razavinejad, Saeid Bazregari, Mehran Ebrahimi, Javad Ghaffari, Mohammad Hassan Bemanian, Nasrin Behniafard, Sara Kashef, Iraj Mohammadzadeh, Lennart Hammarström, Nima Rezaei: Long-term evaluation of a historical cohort of Iranian common variable immunodeficiency patients. *Expert Review of Clinical Immunology* 10/2014; 10(10):1405-1417.

44. Sherkat R, Yazdani R, GanjalikhaniHakemi M, Homayouni V, Farahani R, Hosseini M, Rezaei A. Innate lymphoid cells and cytokines of the novel subtypes of helper T cells in asthma. *Asia Pac Allergy.* 2014;4(4):212-21.

45. Sherkat R, Meidani M, Zarabian H, Rezaei A, Gholamrezaei A. Seropositivity of cytomegalovirus in patients with recurrent pregnancy loss. *J Res Med Sci.* 2014 Mar;19(Suppl 1):S22-5.

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47. RoyaSherkat, Mohammad Ali-Hassanzadeh, Nahid Eskandari, Mazdak G Hakemi, NafisehEsmail, NahidRezaei. Clinical Features of Immunological Dysregulation in Common Variable Immunodeficiency in Iran, *British Journal of Medicine & Medical Research*, 2015; 7(8): 647-653.

48. Nahid Eskandari · Mohammad Alihassanzadeh · Mazdak Ganjalikhani-Hakemi · Roya Sherkat · Hossein Khanahmad · Yaghub Yazdani. Evaluation of BAFF-R

Mutations in Iranian Patients with Common Variable Immune Deficiency (CVID). *ARC Journals of Immunology and Vaccines*, 2016; 1(1):1-8.

49. M. Alihassanzadeh, N Eskandari M. Ganjalikhani-Hakemi · R. Sherkat. Investigating the frequency of the peripheral blood B and transitional B cells in the patients with common variable immunodeficiency, 2016; 33(357):1851-1856.

50. Mohammadinejad P · Pourhamdi S · Abolhassani H. Mirminachi B. Havaei A. Masoom SN. et al. Primary Antibody Deficiency in a Tertiary Referral Hospital: A 30-Year Experiment. *J Investig Allergol Clin Immunol*. 2015; 25(6):416-25.

51. Saba Sheikhabaei, Roya Sherkat, Dirk Roos, Majid Yaran, Somayeh Najafi, Alireza Emami, Gene mutations responsible for primary immunodeficiency disorders: A report from the first primary immunodeficiency biobank in Iran. *Allergy Asthma Clin Immunol*. 2016; 12: 62.

52. Setting up the First Registry for Inflammatory Bowel Disease, Suspected to Primary Immunodeficiency Diseases in Iran, Roya Sherkat, Somayeh Najafi, Majid Yaran, Mohammad Hassan Emami, Hosein Saneian, Hamid Tavakoli, et al. *IOSR Journal of Dental and Medical Sciences*, 2016; 15(12), 87-93.

53. Mahboobeh Ansari, Mazdak Ganjalikhani-Hakemi, Roya Sherkat, Abbas Rezaei, Reza Yazdani, Sharifeh Khosravi. Evaluation of Mutation in B cell Maturation Antigen (BCMA) Gene in Patients with Common Variable Immunodeficiency (CVID), *Journal of Isfahan Medical School*, 2016;34(383): 555-562.

54. Faezeh Abbasirad, Mazdak Ganjalikhani-Hakemi, Nafiseh Esmaeil, Shokrollah Farrokhi, Roya Sherkat, Reza Yazdani, Sanaz Afshar-Ghasemlou. Assessment of the Expression Level of B-Cell Lymphoma 6 (BCL6) in Peripheral Blood CD38+ B Lymphocytes in Patients with Common Variable Immunodeficiency (CVID), 2017; 35(432): 629-634.

55. Abolhassani H, Chou J, Bainter W, Platt CD, Tavassoli M, Momen T, Sherkat R, et al. Clinical, immunologic, and genetic spectrum of 696 patients with combined immunodeficiency. *J Allergy Clin Immunol*. 2017
56. Moafi M, Rezvan H, Sherkat R, Taleban R, Asilian A, Hamid Zarkesh-Esfahani S, et al. Comparison of pro-inflammatory cytokines of non-healing and healing cutaneous leishmaniasis. *Scand J Immunol*. 2017 Apr;85(4):291-299.
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58. Roya Sherkat, Mohammad Reza Sabri, Bahar Dehghan, Hamid Bigdelian, Nahid Reisi, Nooshin Afsharmoghadam, et al. EBV lymphoproliferative-associated disease and primary cardiac T-cell lymphoma in a STK4 deficient patient A case report. *Medicine (Baltimore)*. 2017; 96(48): e8852.
59. Mohammad Moafi, Hossein Rezvan, Roya Sherkat, Roya Taleban, Ali Asilian, Seyed Hamid Zarkesh Esfahani, et al. Evaluation of IL-12RB1, IL-12B, CXCR-3 and IL-17a expression in cases affected by a non-healing form of cutaneous leishmaniasis: an observational study design *BMJ Open*. 2017; 7(1): e013006.
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61. Bahrami E, Witzel M, Racek T, Puchalka J, Hollizeck S, Greif-Kohistani N, Sherkat R, et al. Myb-like, SWIRM, and MPN domains 1 (MYSM1) deficiency: Genotoxic

stress-associated bone marrow failure and developmental aberrations. *J Allergy Clin Immunol.* 2017 Oct;140(4):1112-1119.

62. Talaei Z, Sheikhabaei S, Ostadi V, Ganjalikhani Hakemi M, Meidani M, Naghshineh E, Yaran M, Emami Naeini A, Sherkat R. Recurrent Vulvovaginal Candidiasis: Could It Be Related to Cell-Mediated Immunity Defect in Response to Candida Antigen? *Int J Fertil Steril.* 2017;11(3):134-141.

63. Nokhodian Z, Ataei B, Moradi A, Yaran M, Hoseini SG, Feizi A, Sherkat R. Seroprevalence and risk factors of *Coxiella burnetii* infection among high-risk population in center of Iran, a neglected health problem. *Acta Trop.* 2017;169:107-111.

64. Sherkat R, Rostami S, Yaran M, Emami MH 4, Saneian H, Tavakoli H, et al. , Najafi S. Establishment and Development of the First Biobank of Inflammatory Bowel Disease, Suspected to Primary Immunodeficiency Diseases in Iran, 2018; 7(1): 45-48.

65. Sheikhabaei S, Sherkat R, Camacho-Ordonez N, Khoshnevisan R, Kalantari A, Salehi M, et al. Pregnancy, child bearing and prevention of giving birth to the affected children in patients with primary immunodeficiency disease; a case-series, *BMC Pregnancy and Childbirth* 2018;18:299

66. Sadati ZA, Motedayyen H, Sherkat R, Ostadi V, Eskandari N. Comparison of the Percentage of Regulatory T cells and their p-STAT5 Expression in Allergic and Non-Allergic Common Variable Immunodeficiency Patients. *Immunol Invest.* 2018 Jul 31:1-12.

67. Sherkat, R. , Mostafavizadeh, K, Mobarak, S, Esmaealian, H. Yaran, M, Rostami, S, Molecular assessment of microbial etiology in urinary tract infection in renal transplant patients with fever, 2018, *Journal of Isfahan Medical School* 35(463), pp. 1923-1930

68- Abolhassani H, Chou J, Bainter W, Platt CD, Tavassoli M, Momen T, ..., Sherkat R. et al., Clinical, immunologic, and genetic spectrum of 696 patients with combined immunodeficiency. *J Allergy Clin Immunol.* 2018;141(4):1450-1458.

69- Yazdani R, Abolhassani H, Kiaee F, Habibi S, Azizi G, Tavakol M, ..., Sherkat R. et al., Comparison of Common Monogenic Defects in a Large Predominantly Antibody Deficiency Cohort. *J Allergy Clin Immunol Pract.* 2018 19.

70- Nekooie-Marnany N, Deswarte C, Ostadi V, Bagherpour B, Taleby E, Ganjalikhani-Hakemi M, ..., Sherkat R. et al., Impaired IL-12- and IL-23-Mediated Immunity Due to IL-12R β 1 Deficiency in Iranian Patients with Mendelian Susceptibility to Mycobacterial Disease. *J Clin Immunol.* 2018;38(7):787-793.

71- Sherkat R, Sadeghi S, Mahdi A, Emami-Naeini A, Assessment of Frequency Distribution and Risk Factors of Bronchiectasis in Patients Referred to Alzahra Hospital Affiliated to Isfahan University of Medical Sciences, Iran, during the Years 2017 and 2018, *Journal of Isfahan Medical School,* 2018; 36(493): 997-1002.

72- Abolhassani H, Kiaee F, Tavakol M, Chavoshzadeh Z, Mahdavian SA, Momen T, ..., Sherkat R. et al. Fourth Update on the Iranian National Registry of Primary Immunodeficiencies: Integration of Molecular Diagnosis. *J Clin Immunol.* 2018 Oct;38(7):816-832.

73. Afshar-Ghasemlou S, Esmail N, Sherkat R, Yazdani R, Abbasi-Rad F, Ganjalikhani-Hakemi M, Rezaei A. Increased IRF4 expression in isolated B cells from common variable immunodeficiency (CVID) patients. *Allergol Immunopathol (Madr).* 2019 Jan - Feb;47(1):52-59.

Research Projects & Thesis Provision:

- 1) The frequency of CMV infection in Isfahan Blood Transfusion Unit blood donors , 1377
- 2) The frequency of CMV infection in St. Aliasghar Hemodialysis Unit patients, 1377
- 3) Frequency of positive of HSV-PCR CSF in patients hospitalized as herpes encephalitis, St. Alzahra Hospital
- 4) The frequency of toxoplasma infection in St. Aliasghar Hemodialysis Unit patients, 1378
- 5) Evaluation the relation between angioedema and chronic urticaria with autoimmune thyroiditis and the effect of thyroxin treatment on them
- 6) The frequency of hypogammaglobulinemia in outpatients ENT and Clinical Immunology and Allergy clinics patients with recurrent , chronic or sever respiratory infections, Isfahan University of medical Sciences
- 7) Evaluation of sensitivity and specificity of mouse liver tissue and commercial kits and measurement of anti- nuclear antibody in positive serums.
- 8) Evaluation of Burdetella pertusis infection with serology and culture in patients with chronic cough and controls in isfahan , 1380
- 9) The co- relation between IgM-Anti-cardiolipin antibody and Myocardial Infarction
- 10) The frequency of positive CMV serology in women with term pregnancy and comparison with their cord blood serology

- 11) The frequency of Antineutrophil Cytoplasmic Antibodies in Patients with Pulmonary Tuberculosis and controls
- 12) Comparison of the frequency of positive anti-cardiolipin antibody in patients less than 45 years old with cerebral vascular accidents and controls in Alzahra Hospital
- 13) The co- relation between IgG-Anti-cardiolipin antibody and Myocardial Infarction
- 14) Comparison of the frequency of Chlamydia pneumonia infection in patients with coronary artery disease and controls, Isfahan 1380
- 15) The evaluation of Anti-HBS Ag titer in vaccinated surgeons for hepatitis B to evaluate effectiveness and immunity of vaccine
- 16) Evaluation of anti- measles antibody in 18-22 years old medical students of Isfahan University of medical Sciences, 1380
- 17) The comparison of kidney biopsies microscopic characteristics with laboratory and clinical manifestations, 1379-1381
- 18) The comparison of ribaverin plus intravenous immunoglobulin and ribaverin plus corticosteroid regimen effectiveness in hemorrhagic fevers
- 19) Evaluation of IFN- γ cytokine production in TCD8⁺/CD3⁺ cells in response to cytomegalovirus in women with recurrent spontaneous abortion and comparison with control group
- 20) The comparison of humoral immunity to Cytomegalovirus in women with and without spontaneous recurrent abortion
- 21) Evaluation of immunodeficiency research group establishment in Infectious and Tropical Disease Research Center and Alzahra Hospital

22) Evaluation of CD107a expression in TCD8⁺/CD3⁺ cells in response to cytomegalovirus in women with recurrent spontaneous abortion : and comparison with control group

23) Evaluation of the relation between carotid ultrasonic changes with Chlamydia pneumonia seropositivity in patients with acute stroke

24) The comparison of diagnostic value of Tuberculin Skin Test and TSPT-TB in Immunodeficient patients for latent tuberculosis infection , use of Isoniazide prophylaxy in patient with positive tests and evaluation of incidence of tuberculosis in both group with positive and negative tests

25-The effects of cognitive – behavioral stress management intervention on distress, quality of life and immune function in women with breast cancer.

26. Evaluation of selevtive antibody deficiency and its relation to IgG2 and IgG3 subclass deficiency in patients with recurrent respiratory infections.

27. The Establishment of the first primary immunodeficiency Biobank in Isfahan University of Medical Sciences

28. Evaluation & comparison of KIR genotype in Hepatitis B patients, susceptible families to hepatitis B and normal population.

29.Evaluation of the T helper 17 cell specific genes and the innate lymphoid cells counts in the peripheral blood of patients with the common variable immunodeficiency

30. Evaluation of newly identified helper T cells specific cytokines expressions in the peripheral blood and sputum samples of patients with Asthma

31.Immunophenotyping of transitional B cells and evaluation of mutations in BAFFR in patients with allergic and non-allergic common variable Immune deficiency (CVID) in compare with healthy controls

32. Evaluation of T Lymphocyte Proliferation against candida antigen in women with Recurrent vulvovaginal Candidiasis compared with healthy women without RVVC by Flowcytometric CFSE method

33. Providing a Biobank from patients with inflammatory bowel diseases which suspected to immunodeficiency diseases referred to Isfahan digestive diseases research centers between 2014-2015

34. Determination of mutation in 1, 2 and 3 exons of IL 10 RA gene and 1 to 7 exons of IL 10RB in patients with Inflammatory bowel disease suspected with primary immunodeficiency referred to Research Centers Immunodeficiency and Subspecialty Clinic Gastroenterology of Isfahan University of Medical Sciences

35. IFNGR1 gene mutations in patients with suspected mendelian susceptibility to mycobacterial disease referred to health and educational centers, Isfahan University of medical sciences

35. IL-12RB gene mutations in patients with suspected mendelian susceptibility to mycobacterial disease referred to health and educational centers of Isfahan University of medical sciences

36. Investigation of mutation existence in exons of IL 12B gene in patients with suspected mendelian susceptibility to mycobacterial disease referred to health and educational centers of Isfahan University of medical sciences

37. Screening of patients with suspected mendelian Susceptibility to Mycobacterial Disease for IL-12p40 deficiency

38. Genetic and functional evaluation of Th17 cells in patients with susceptibility to Candidiasis

39. Genetic Evaluation of IL12RB1 in Patients with Severe Leishmaniasis

40. Comparative evaluation of cytomegalovirus avidity and Quantiferon in pregnant women with early onset pre-eclampsia and women with normal pregnancy

41. Database preparation of patients with primary immunodeficiency referred to Isfahan medical center

42. In vivo, Gene delivery to CD34 cells at mice

43. In vitro, Gene delivery to CD34 cells at mice

44. Providing and setup a demographic data-bank, clinical and drawing pedigree from patients with inflammatory bowel diseases and suspected to immunodeficiency diseases referred to Isfahan medical, universitese and research centers in 2014

45. Evaluation of B cell maturation antigen (BCMA) expression on B cells as well as counting peripheral blood plasma blast cells in patients with CVID in compare with healthy controls

46. Investigation of mutation existence in GATA2 gene prevalent exones in patients with suspected mendelian susceptibility to mycobacterial disease referred to health and educational centers of Isfahan University of medical sciences

47. Comparative evaluation of cytomegalovirus serology in pregnant women with early onset preeclampsia and women with normal pregnancy

48. Natural killer cell Ig-like receptor (KIR) genes genotypes in patients with chronic hepatitis B, families with hepatitis B and healthy subjects

49. The assessment serology of *Coxiella burnetii* in butchers in Isfahan in 2015

50. Screen and detection of immune deficiency in patients suspected to Mendelian susceptibility to mycobacterial infection that referred to the health and educational centers of Isfahan University of medical sciences

51. Determination of polymorphism in axon4 of IL 10 RA gene in healthy volunteers in Isfahan in 2016-2017

52. Determination of polymorphism in axon7 of IL 10 RA gene in healthy volunteers in Isfahan in 2016-2017

53. Assessment of mutation existence in selected axon(ex6) of GATA2 gene in patients suspected to Mendelian susceptibility to mycobacterial infection that referred to the health and educational centers of Isfahan University of medical sciences

54. Comparative evaluation of cell-mediated immunity to cytomegalovirus, in pregnant women with early onset preeclampsia and women with normal pregnancy

55. Screening and detection of immune deficiency for cell surface expression of IFN- γ R1 in patients suspected to Mendelian susceptibility to mycobacterial infection that referred to the health and educational centers of Isfahan University of medical sciences

56. Providing a Biobank from patients with Mendelian susceptibility to mycobacterial diseases referred to Isfahan digestive diseases research centers in 2017-2018

57. Evaluation and comparison of natural killer cell cytotoxic activity in Hepatitis B patients, susceptible families to hepatitis B and normal population.

58. Utilization of Recombinant Allergens from American Cockroach (*Periplaneta Americana*) for Component Resolved Diagnosis

59 . Indigenizing and set up of diagnostic panel for opportunistic infections in immunodeficient patients with Hematologic cancers under chemotherapy

60. Evalutaion of mRNA expression and Protein level in non-bruton gammaglobulinemia by real time PCR and western blotting

61. Assessment of TIM-3(T cell immunoglobulin and Mucin-3) expression on PBMC of Hepatitis B patients and normal population, and evaluation of its correlation with cytotoxicity of natural killer cells

Conferences and Meetings Presentations:

-Chonic mucocutaneous candidiasis 6th iranian congress of immunology and allergy. 2002.

-Evaluation and comparison of anticardiolipin antibodies among patients with cerebrovascular accidents and control group 1999-2000 6th iranian congress of immunology and allergy, 2002.

-Evaluationof serumic measles antibody in medical students aging 18-22, 2000, isfahan 6th iranian congress of immunology and allergy. 2002.

-Primary immunodeficiency in iran:first report of the national registry of PID children and adults XXI congress of the european academy of allergology and clinical immunology , 2002.

-A case of common variable immunodeficiency &mycobacterial infection 17 th national congress of tuberculosis(13th state congress of medical medical updates.

-Association of chronic urticaria and/or angioedema with thyroid autoimmunity asthma&allergy seminar. 2003

-Mycobacterial infection in chronic granulomatous disease 17 th national congress of tuberculosis(13th state congress of medical medical updates. 2003.

-Evaluation of the frequency of serum immunoglobulin levels in patients with recurrent, chronic and severe infections, Asthma and Allergy Seminar, 2003, Tehran.

-Anti-cardiolipin antibodies and risk of coronary heart disease the 7th congress of immunology&allergy. 2004

-Mycobacterial infection in chronic granulomatous disease The british society for allergy and clinical immunology annual meeting. 12-14 July 2004

-13th iranian congress on infectious diseases and tropical medicine. 2004.

-Mycobacterial infection in chronic granulomatous disease ,The 7 congress of immunology &allergy. 2004

-Comparison of two assays for functional assessment of respiratory burst in CGD patients , First international congress on immunodeficiency disorders. 2005

- The congress of infectiouse disease in pregnancy, 2005, Isfahan, Iran

-Incidence survey of CGD in immunodeficient patients suspected of CGD with dihydrodamin , First international congress on immunodeficiency disorders. 2005

-Iranian primary immunodeficiency registry(IPIDR): from the past to the future , First international congress on immunodeficiency disorders. 2005

-Primary immunodeficiency disorders quierers in isfahan province , First international congress on immunodeficiency disorders. 2005

-The frequency of consanguinity in primary immunodeficients ;the report from iranian primary immunodeficiency registry first international congress on immunodeficiency disorders. 2005.

-Evaluation of *Bordetella pertussis* in patients with chronic cough ,The 14 th iranian congress on infectious disease and tropical medicine. 2005

- XIIth Meeting of the European Society for Immunodeficiency's. Organized on October 4-7, 2006 in Budapest, Hungary. Budapest, October 7, 2006.

-*Bordetella pertussis* infection , 16th european congress of clinical microbiology and infectious diseases. 2006.

- Seropositivity of cytomegalovirus in women with unexplained recurrent spontaneous abortions ,World Allergy Congress 2007, in Bangkok, Thailand, 2-6 December 2007.

-The third international congress of pulmonary disease, intensive care and TB, 2007, Tehran, Iran

- Anti-Cardiolipin Antibodies and Risk of Coronary Heart Disease ,Immunology, Asthma & Allergy, New concepts in Prevention, Diagnosis & Treatment seminar. May 22-24, 2007. Razi Conference Center .Tehran – Iran.

- Evaluation of Auto & Alloimmune Factors in Women with Recurrent Abortion ,9th congress on reproductive Biomedicine & 4th Congress on stem Cell Biology & Technology , August 26-29, 2008. Tehran – Iran.

-Antineutrophil Cytoplasmic Antibodies in Patients with Pulmonary Tuberculosis ,The 9th Iranian congress of Immunology and Allergy, 2008 ,Tehran

-The first congress of infection in intravenous drug abusers, 2008, Isfahan , Iran

-XIII International Food Allergy Symposium, November 5, 2009, at the Miami Beach Convention Center in Miami Beach, FL.

-The Association between CMV Infection, Antiphospholipid Antibodies and Serum Gammaglobulins in patients with Recurrent Spontaneous Abortion ACCAI Congress , November 5-10, 2009, at the Miami Beach Convention Center Miami Beach, FL.

-Budd-Chiari syndrome caused by aspergillus in a CGD patient , , The 21st International congress of pediatrics , 2009 ,Tehran ,Iran

-XXVIII Congress of the European Academy of Allergy and clinical immunology in Warszawa, Poland, 6-10 June 2009.

- Lymphocyte subsets in patients with unexplained recurrent pregnancy loss , in relation to pregnancy outcome after immunotherapy , XIVth Meeting of the European Society for immunodeficiency's (ESID) organized on October 6-9, 2010 in Istanbul , Turkey.

-Anti -Cytomegalovirus Avidity Index in women with and without Recurrent Pregnancy Loss , The 4th Iranian clinical microbiology congress , November , 2010,Isfahan , Iran

-Osteomyelitis as a late presentation of Disseminated Bacillus Calmette Guerin infection .The 8th Biennial congress of Iranian Society of Asthma and Allergy. 2011 , shiraz ,Iran.

CD107a expression and IFN- γ production as evaluation of Cytotoxic CD3⁺ CD8⁺ T cell response to CMV antigen in women with recurrent pregnancy Loss , 15th Biennial Meeting of the European Society of Immunodeficiency, 3-6 October 2012 , Florance, Italy.

- Comparison of Anti-pneumococcal antibody and its relation to IgG2 serum Level in patients with recurrent sinopulmonary infections and controls pre and post pneumococcal vaccine, 11th International Congress of Immunology and Allergy of Iran . 2012 , Tehran , Iran.

-Odd Presentations of Chronic Granulomatous Disease , VIII World Congress of Immunopathology, Respiratory Allergy & Asthma , October 12-15, 2013 , Dubai, UAE

- HUMAN JAGN1 DEFICIENCY CAUSES DISTURBED MYELOID CELL HOMEOSTASIS AND SEVERE CONGENITAL NEUTROPENIA, 16th Biennial Meeting of the European Society for Immunodeficiencies (ESID 2014), 29 October -1 November, 2014, Prague, Czech Republic

- PRESENTATION OF INFECTIONS AND IMMUNE DYSREGULATIONS IN COMMON VARIABLE IMMUNODEFICIENCY (CVID)PATIENTS AND ITS RELATION TO THEIR CLINICAL AND IMMUNOLOGICAL CHARACTERISTICS IN ISFAHAN, 16th Biennial Meeting of the European Society for Immunodeficiencies (ESID 2014), 29 October – 1 November, 2014, Prague, Czech Republic

- ENIGMAS LEFT IN DIAGNOSIS: CHRONIC EPSTEIN BARR VIRUS LYMPHOPROLIFERATION OR LYMPHOMA, 16th Biennial Meeting of the European Society for Immunodeficiencies (ESID 2014), 29 October – 1 November, 2014, Prague, Czech Republic

- Pregnancy in primary immunodeficiency disorders, 26 th International Congress on Pediatrics, 16-20 Oct, 2014, Tehran, Iran

- primary immunodeficiency disease, 12th International Congress of Immunology & Allergy of Iran, 29th April 2nd May, 2014, Tehran, Iran
Evaluation of newly identified helper T cells specific cytokines expressions in the peripheral blood and sputum samples of patients with Asthma, 12th International Congress of Immunology & Allergy of Iran, 29th April 2nd May, 2014, Tehran, Iran

- Enigmas of primary immunodeficiency and mycobacterial infections in Iran, 100th J Project Meeting, 12-15 MARCH , 2014 ,Antalya, Turkey

- Proceedings of the Canadian society of allergy and clinical immunology annual scientific meeting 2015 Vancouver, Canada. 21–24 October 2015

- EBV lymphoproliferative disease and cardiac lymphoma in a STK4 deficient patient, Pediatric allergy and asthma meeting, 15- 17 oct, 2015, Berlin, Germany

- 2nd J PROJECT CONGRESS 2-5 March, 2016 | Antalya, Turkey

- 4th Pediatric Allergy and Asthma Meeting (PAAM) Berlin, Germany. 15-17 October 2015

- 17th Biennial Meeting of the European Society for Immunodeficiencies 21 - 24 September 2016, Barcelona

- American Academy of Allergy, Asthma & Immunology. The 2016 Annual Scientific Meeting