



CURRICULUM VITAE

SURNAME: Sherkat

FIRSTNAME: Roya

ADDRESS: Infectious Disease Department
St. Alzahra University Hospital
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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
Cystic 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 and Society, Infectious and Tropical Disease Research Center, Isfahan University of Medical Sciences
- 5) Member of Infectious Disease Committee of Medical Logics , Isfahan Province
- 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

Memberships:

- 1) European Society of Immunodeficiency
- 2) British Society of Medical Sciences
- 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 chornic granulomatous disease. Isfahan university to medical sciences. 2004
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, Farhodi 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 fournal of Infections Diseases, 2006; 38: 898-903.

11.Rezaei N. Aghamohammadei,..., 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 masifestations 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. et.al., Bordetella pertussis infection in adolescents. Journal of Military Medicine, Volume 10 , Number 4, 269-272

17. Sherkat R., Farzaneh P., Hasanzadeh A., Kalantary A. Ahmadi M. . The association between cmv infection , antiphospholipid antibodies and serum gammaglobulins in patients with recurrent spontaneous abortion . Annals of allergy , asthma & immunology. 2009

18. 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

19. Taheri. D., Suzangar HR., Sherkat R. , Biria S. , Tabatabaei A., Fesharakizadeh M. , Thymoma associated with hypergammaglobulinemia: A case report.: Iranian Journal of Pathology (IJP). 2009;4(1):44-47

20. Parvaneh N, Mamishi S, Rezaei A, Rezaei N, Tamizifar B, Parvaneh L, Sherkat R, Ghalehbaghi B, Kashef S, Chavoshzadeh Z, Isaeian A, Ashrafi F, Aghamohammadi A. Characterization of 11 New Cases of Leukocyte Adhesion Deficiency Type 1 with Seven Novel Mutations in the ITGB2 Gene. *J Clin Immunol* 2010 Sep; 30(5):756-60. Epub 2010 Jun 12.
21. Aghamohammadi A, Shafiei A, Abolhassani H, Sherkat R, Mahjoub F, Rezaei N. . Renal amyloidosis in common variable immunodeficiency *Nefrologia* 2010; 30(4):474-6.
22. Sherkat R, Mostafavizadeh K, Zeydabadi L, Shoaie P, Rostami S. Antineutrophil cytoplasmic antibodies in patients with pulmonary tuberculosis . *Iran J Immunol*. 2011 Mar; 8(1):52-7.
23. Abdollahpour H, Appaswamy G, Kotlarz D, Diestelhorst J, Beier R, Schäffer AA, Gertz EM, Schambach A, Kreipe HH, Pfeifer D, Engelhardt KR, Rezaei N, Grimbacher B, Lohrmann S, Sherkat R, Klein C. The phenotype of human STK4 deficiency. *Blood*. 2012 Apr 12;119(15):3450-7. Epub 2012 Jan 31.
24. Javadi AA, Ataei B, Khorvash F, Babak A, Rostami M, Mostafavizadeh K, Naeini AE, Meidani M, Salehi H, Avijgan M, Sherkat R, Yazdani MR, Rezaei F. Clinical features of novel 2009 influenza A (H1N1) infection in Isfahan, Iran. *J Res Med Sci*. 2011 Dec;16(12):1550-4.
25. 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)

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 ribavirin plus intravenous immunoglobulin and ribavirin 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 selektiv 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

Congresses:

- 1- 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.
- 2-Anti -Cytomegalovirus Avidity Index in women with and without Recurrent Pregnancy Loss , The 4th Iranian clinical microbiology congress , November , 2010,Isfahan , Iran
- 3-XIII International Food Allergy Symposium, November 5, 2009, at the Miami Beach Convention Center in Miami Beach, FL.

4- 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.

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

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

7. 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.

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

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

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

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

12- 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.

- 13-XIIth Meeting of the European Society for Immunodeficiency's.
Organized on October 4-7, 2006 in Budapest, Hungary. Budapest, October 7, 2006.
- 14-Bordetella pertussis infection , 16th european congress of clinical microbiology and infectious diseases. 2006.
- 15-Comparison of two assays for functional assessment of respiratory burst in CGD patients , First international congress on immunodeficiency disorders. 2005
- 16- The congress of infectious disease in pregnancy, 2005, Isfahan, Iran
- 17-Incidence survey of CGD in immunodeficient patients suspected of CGD with dihydroadamin , First international congress on immunodeficiency disorders. 2005
- 18-Iranian primary immunodeficiency registry(IPIDR): from the past to the future , First international congress on immunodeficiency disorders. 2005
- 19-Primary immunodeficiency disorders queriers in isfahan province , First international congress on immunodeficiency disorders. 2005
- 20-The frequency of consanguinity in primary immunodeficients ;the report from iranian primary immunodeficiency registry first international congress on immunodeficiency disorders. 2005.
- 21-Evaluation of Burdettela pertusis in patients with chronic cough ,The 14th iranian congress on infectious disease and tropical medicine. 2005
- 22-Anti-cardiolipin antibodies and risk of coronary heart disease the 7th congress of immunology&allergy. 2004
- 23-Mycobacterial infection in chronic granulomatous disease The british society for allergy and clinical immunology annual meeting. 12-14 July 2004
- 24-13th iranian congress on infectious diseases and tropical medicine. 2004.

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

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

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

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

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

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

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

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

33-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.

34)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.

35) 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.

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