

Curriculum vita

Mohammad Derakhshan. MD. PhD
Assistant professor of clinical virology and viral diseases
Department of clinical microbiology and virology
Ghaem Medical Center (hospital) and Buali research institute
Mashhad University of Medical Sciences (MUMS)
Mashhad- IRAN

Emails:

derakhshanm@mums.ac.ir
m.derakhshanmd@yahoo.com
mderakhshan@hotmail.com

Education:

- **Medical student in Tehran University of Medical Sciences (TUMS). IRAN, 1980-1982**
- **MD (Doctor in Medicine), Mashhad University of Medical Sciences (MUMS), IRAN, 1982-1988**
- **MSc course in medical microbiology, University of Surrey, England, UK, 2001-2002**
- **PhD (Doctor of philosophy), University of Surrey, England, UK, 2002-2005**
- **Several short courses on: Internal medicine, Infectious disease, Continuous Quality Improvement (CQI), Total Quality Management (TQM), Primary Health Care (PHC), Based Evidence Medical Education (BEME) & Evaluating the Evidence and Inter Professionalism in IRAN. Commercialization and Enterprise and English language courses in UK, since 1988.**

Graduate teaching (*Outline*)

1. Clinical Virology and viral diseases for PhD- MSc- BS- medical residents- medicine & Paramedicine and pharmacy students. 2005-now
2. Medical terminology for medicine students. 2005-now
3. Cellular and molecular biology for PhD and MSc students. 2005-now
4. Medical research methodology for MSc students. 2005-now
5. Primary health care (PHC), Health management, Continues quality improvement (CQI), Total quality management (TQM), Plan of action (POA) for health care practitioners. 1996-2001

Occupations:

1. Assistant professor of clinical virology and viral diseases, Department of clinical microbiology and virology , Ghaem hospital, MUMS, mashhad, Iran 2006 to present
2. Researcher in microbiology and virology research centre, Buali research institute, MUMS, mashhad, Iran, 2006 to present
3. Member of clinical research committee, MUMS 2006 to present
4. Head of research committee in microbiology and virology group, MUMS 2007 to present
5. Member of high committee in microbiology and virology research centre, Buali research institute, MUMS, Mashhad, Iran
6. Demonstrator in virology, University of Surrey, England, 2002-2006
7. Member of society for general microbiology (SGM) in UK, 2005
8. Referee for Saudi Medical Journal (SMJ)
9. Referee for Iranian Journal of Basic Medical Sciences (IJBMS)

10. Head of health network development centre, Khorasan province health centre ,MUMS, 1996-2001
11. Deputy of vice president for health, MUMS, 1996-2001
12. Instructor in Khorasan province health centre MUMS. Teaching subjects: principles of health network development, PHC, CQI, TQM, management and infectious diseases for managers, medicine and Paramedicine students.
13. Member of communicable and infectious diseases committee, MUMS, 1996-2001
14. Member of editorial committee of MUMS' bulletin, 1998-2001
15. Member of editorial committee of Raze Behzistan magazine, Khorasan province health centre, MUMS, 1998-2001
16. Member of CQI committee, MUMS, 1998-2001
17. Member of special committee of health, Khorasan province health centre MUMS, 1996-2001
18. Member of human resource committee, Vice Presidency for Administration and Finance Affairs, MUMS, 1998-2001
19. Member of human resource committee, Vice Presidency for health, MUMS, 1996-2001
20. Manager of plan of action (POA) workshops, Khorasan province health centre MUMS, 1999-2001
21. Head and physician in Mellat clinic, social security organization, Mashhad, Khorasan, Iran, 1993-1996
22. Trustful physician of social security organization, Mashhad, Khorasan, Iran, 1993-1996
23. Member of founders and physician of Al-Montazar charity clinic, Mashhad, Khorasan, Iran, 1993-1996
24. Head of health network in Ghayen city, Khorasan province, , 1990-1993

25. Head of medical commission in Ghayen city, Khorasan province, 1990-1993
26. Co-operator with United Nation High Commissioner refugees (UNHCR) for health clinics establishment for Afghan refugees in Ghayen city, Khorasan ,Iran 1990-1993
27. Physician in Imam Hossein hospital, Mashhad, 1989-1990
28. Physician in Sarvar clinic, MUMS, Mashhad, 1987-1990

Publications and presentations:

1. **Derakhshan, M.**; Willcocks, M.M.; Salako, M.A.; Kass, G.E.; Carter, M.J. "Human herpesvirus 1 protein US3 induces an inhibition of mitochondrial electron transport." *J Gen Virol* 87.Pt 8 (2006): 2155-59
2. **Derakhshan M.** "Apoptosis at a glance: Death or life?" *Pak J Med Sci*, October - December 2007 (Part-II), Vol. 23, No. 6, 979-982
3. **Derakhshan M.** "Viral infection, a suggestive hypothesis for aetiology of chronic fatigue syndrome". *Iran J Med Hypotheses Ideas*, 2008;2:10.
4. **Derakhshan M**, Kass GEN, Carter MJ. "Human Influenza A Virus (IAV) Decreases Mitochondrial Respiration of Infected MDCK Cell" *Iranian Journal of Public Health*, 2005/10/10; 34(Sup):44
5. **Derakhshan Mohammad** " Replication of human herpes virus 1 (HHV-1) as a ubiquitous virus: a mini review", *Asian Pac J Trop Med*, 2008; 1(2):61-64
6. Niazmand S, Erfanian Ahmadpoor M , Moosavian M, **Derakhshan M** "The Positive Inotropic and Chronotropic Effects of Teucrium

- Polium L. Extract on Guinea Pig Isolated Heart" Pharmacologyonline 2: 588-594 (2008).
7. Nemati Karimooy H, **Derakhshan** M, Rezaee SA, Mahmoud Hosseini " Prednisolone as a new approach for treatment of HTLV-1 associated polyneuropathy" Pak J Med Sci January - March 2009 Vol. 25 No. 1 142-145
 8. Mahmudi M. **Derakhshan** M. Rezaee SA, et al; prion diseases and public health; Raze Behzistan (MUMS) 15: 10-17, 2000
 9. **Derakhshan** M. Banaee M; Investigation of low back pain aetiology in Korasan province, Iran; faculty of medicine (MUMS); thesis no: 2189 (1987)
 10. **Derakhshan** M" management of health centres; Raze Behzistan, (MUMS), 2001
 11. **Derakhshan** M." Mitochondrial function affected by human influenza virus type A (IVA)". International Conference on Emerging and Re-emerging Viral Diseases of the Tropics and Sub-tropics. December 11-14, 2007, ICVT, IARI, New Delhi, INDIA
 12. **Derakhshan** M; Kass ENG; Carter MJ. "Mitochondrial function affected by Herpes simplex virus 1 (HSV-1)". 9th Iranian congress of microbiology, March 4-6, 2008, Kerman university of medical sciences (KUMS), Kerman, IRAN
 13. **Derakhshan**,M.; Kass,G.E.; Carter,M.J. "Human Influenza A virus (IAV) decreases mitochondrial respiration of infected MDCK cell " 13th multi- disciplinary Iranian conference, Leeds University, UK- 2 July,2005
 14. Carter,M.J. **Derakhshan**,M.; Kass,G.E.; inhibition of mitochondrial function by human herpes virus 1. 24th annual meeting of the American Society for virology, Penn State University, June 18- 22, 2005

15. **Derakhshan, M.**; Kass, G.E.; Carter, M.J. "herpes simplex virus 1 (HSV-1) induces inhibition of the mitochondrial electron transport and decreases total cell respiration" The 2nd SBMS (school of biomedical and molecular sciences) Festival of Research, university of surrey (UNIS), England, UK. 1st July 2005
16. 156th Conference and Meeting of Society for General Microbiology (SGM), 4-7 April 2005, Heriot -Watt university, Edinburgh, UK
17. **Derakhshan M**, Mortazae M, Aziminia M, Ahmadzadeh E, Shaybani H. " study for improvement of health network plan in Khorasan province (6 million population, 22 cities), Tarhe Gostareh Shabakah notebooks, khorasan health centre, MUMS, 1997-2000
18. **Derakhshan M** , Principles of health system control, seminar of Khorasan health centre managers, Tabas, Iran, 28 Apr 1998- Esfarayen, Iran, 13 Oct 1998
19. **Derakhshan M**, Appropriate technology in PHC, workshop for premedical managers in Khorasan , mashhad, Iran, Sep & Oct 1998
20. CQI in health system, 7 periodical workshops for Khorasan health managers, MUMS, Jul-Des 1999.
21. **Derakhshan M**, POA and management information in health system (MIS), congress of managers of health network developments units and managers of health centres in Khorasan, Mashhad, Iran, 23 may 2000
22. **Derakhshan M**, Management of health centres, congress of general physician in Khorasan, Mashhad, Iran, 24 Feb 2000
23. **Derakhshan M**, Organization, management and process in health and educational centres, congress of Khorasan health centres managers, Mashhad, Iran, 17 Jul 2000

24. **Derakhshan** M, Kass GEN and Carter MJ "Herpes Simplex Virus 1(HSV-1) induces inhibition of the mitochondrial electron transport and decreases total cell respiration". 18th Iranian congress of physiology & pharmacology, Mashhad – Iran, 26-30 Aug 2007
25. Gholoobi, Aida; Sankian Mojtaba; Farshadzadeh Zahra; Zarif Reza; Youssefi Forugh; Sadeghian Ali; **Derakhshan** Mohammad; Varasteh Abdol-Reza. "Molecular Cloning, Expression and Purification of TB10.4 Secreted by Mycobacterium tuberculosis". 9th Iranian congress of microbiology, March 4-6, 2008, Kerman university of medical sciences (KUMS), Kerman, IRAN
26. **Derakhshan** M, Enteric viral diseases, microbiology seminar, continuous education program of MUMS for medical specialists. February 6, 2007, Ghaem hospital, Mashhad, IRAN
27. **Derakhshan** M, Nosocomial viral infections, Nosocomial infections seminar, continuous education program of MUMS for medical specialists. February 17, 2007, Ghaem hospital, Mashhad, IRAN
28. **Derakhshan** M, Influenza virology and epidemiology, bird flu seminar, continuous education program of MUMS for health care workers, January 21, 2008, Ghaem hospital, Mashhad, IRAN
29. **Derakhshan** M, Influenza structure, influenza surveillance seminar, re-education program for general practitioners, October 21, 2008, Torbate-jam city, Khorasan province, IRAN
30. **Derakhshan** M, Biosafety in virology lab, re-education program seminar for lab workers, August 20, 2006, Omid hospital, Mashhad, IRAN

31. **Derakhshan M**, The role of viral infections in chronic fatigue syndrome (CFS), scientific seminar, Buali research institute, May 5, 2008, MUMS, Mashhad, IRAN
32. **Derakhshan M**, Chronic fatigue syndrome (CFS) and its relationship with human herpes virus type one (HHV-1). scientific seminar, Medical School, May 22, 2008, MUMS, Mashhad, IRAN
33. Gholoobi, Aida; Sankian Mojtaba; Farshadzadeh Zahra; Zarif Reza; Sadeghian Ali; **Derakhshan Mohammad**; Varasteh Abdol-Reza. "Cloning, Expression and Purification of TB10.4 Secreted by Mycobacterium tuberculosis". 9th Iranian congress of immunology & allergy, June 17-19, 2008, Razi international forum center , Tehran , IRAN
34. **Derakhshan M**, " mitochondrial respiration is decreased by human influenza virus type A (IVA) *in vitro*", second congress of clinical microbiology, 7-9 October, 2008, Shiraz, Iran.
35. **Derakhshan M**, virology of Influenza, influenza seminar, re-education program for basic and clinical specialist and general practitioners, December 24, 2008, Mashhad city, Khorasan province, IRAN
36. Evaluating the Evidence and Inter Professionalism Workshop by professor Marilyn Hammick from UK, 14-15 February 2009, Razi conference hall, Iran university of medical sciences (IUMS), Tehran, IRAN
37. The 5th Seminar of Islam's Views In Medicine, 3-5 March 2009, Hasheminejad Hall , MUMS, Mashhad, Iran
38. Gholoobi, Aida; Sankian Mojtaba; Farshadzadeh Zahra; Zarif Reza; Sadeghian Ali; **Derakhshan Mohammad**; Varasteh Abdol-Reza. "Cloning, Expression and Purification of TB10.4 Secreted by Mycobacterium tuberculosis". 5th Iranian Congress of Virology &

1st Congress of Vaccine, 1-3 may 2009, Razi Vaccine and Serum Reasearch Institute, Karaj-IRAN.

39.**Derakhshan** M, Nemati kerimooy V, Rezaee SA, Sadeghian A, Valizadeh N, Gholamnejad Z and Zarifi R." Human herpes virus type 1 (HHV-1) infection and chronic fatigue syndrome (CFS): a study in northeast of Iran". 5th Iranian Congress of Virology & 1st Congress of Vaccine, 1-3 may 2009, Razi Vaccine and Serum Reasearch Institute, Karaj-IRAN.