



Curriculum Vitae

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*Date of Birth:*4th April 1957

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Address: Children Hospital Tabriz University of Medical Sciences, Tabriz,Iran

Educational background:

- High school Diploma (1976), Segatol – Islam High School, Tabriz, Iran.
- MD (1985), School of Medicine, Tabriz University, Tabriz, Iran.
- Board certificate in pediatrics (1989), Tabriz University of Medical Sciences, Tabriz, Iran.
- **Fellowship of respiratory and critical care medicine from England (Aberdeen 2003).confirmed by Evaluation Committee of Health Ministry.**
- Certification of bronchoscopy from sub specialized department of pulmonary diseases, Tabriz 2009.
- Subspecialist in pediatric pulmonology 2013-**
- Master of Sciences in Medical Education 2012.**

Academic positions:

- Assistant professor of pediatrics (1989 – 1994), Department of pediatrics, Tabriz University of Medical Sciences, Tabriz, Iran.
- Associate professor of pediatrics (1994-2001), Department of pediatrics, Tabriz University of Medical Sciences, Tabriz, Iran.
- Professor of pediatrics (2001-),

Administrative Responsibilities:

- Head of Department of pediatrics 2005-
- Head of department of PICU and pulmonary diseases ,2003-
- National Boardman of Pediatrics 2003 – 2012.
- National Boardman of pediatric pulmonology 2013-

Publications:

1. **Bilan N**, Newborn of diabetic mothers, Medical Journal of Nabz, 4(1993)17-20.
2. **BilanN** ,MozaffariSh .Comparison of humoral immunity between breast-feed and bottle-feed infants less than six months, Medical Journal of Tabriz University of Medical Sciences. 26:1995
3. **BilanN** ,MozaffariSh. Survey of Socioeconomical factors' effects on immuglobulins of cholestrum. Medical Journal of Tabriz University of Medical Sciences, 26:1995;28-41
4. **BilanN** ,Alizadeh, S. The effects of mother literacy on pregnancy and breast-feeding patterns. Medical Journal of Tabriz University of Medical Sciences. 28:1995;35-48.
5. **Bilan N** ,HamisiA. Survey of arm circumference measurement validity in assessment of malnutrition in children under five years, Medical Journal of Tabriz University of Medical Sciences.1996
6. **BilanN** . Survey of KAP of medical students about emergence diseases of pediatrics. Medical Journal of Arak University of Medical Sciences (Rahavard-e Danesh), 1(4): 1997; 11-14
7. **BilanN** ,Sadegi Sh. Translation of “CPR for all handbook” from English to Persian, Tabriz University of Medical Sciences, Tabriz .1997
8. **BilanN** ,HashemiehM. Survey of validity of physical Exams (conjunctival pallor, Nail bed pallor and palmar pallor). For estimation of Severity of Anemia in hospitalized pediatrics in Amirkabir Hospital of Arak ,2(6):1998; 7 –13.

9. **Bilan N** . Survey of Serum Zinc and Copper Level relationship in Hospitalized under Six years old malnourished children of Tabriz children Hospital. Medical Journal of Arak university of Medical Sciences (Rahavard-e Danesh). 3(1); 2000;1-5
10. **Bilan N** ,Shahbazi. Translation of “From physician to manager book” from English to Persian.Tabriz University of Medical Sciences.Tabriz .2001
11. **Bilan N** ,BehbahanG.A.Risk factors of re-intubation in children admitted to pediatric intensive care unit. Medical Journal of Tabriz University of Medical Sciences. 27(4) : 2006
12. **Bilan N** ,BehbahanG.A. Predictive factors of PICU admission for asthmatic children hospitalized in Tabriz children hospital. . Medical Journal of Tabriz University of Medical Sciences. 28(1) : 2006
13. **Bilan N** ,khosrowshahy JA. Pulmonary problems in patients with neurological impairments. Medical Journal of Tabriz University of Medical Sciences, 28(2) :2006
14. **Bilan N**. Assessment the role of Apnea Test in Determination and Confirmation of Brain Death in Children. Medical Journal of Tabriz University of Medical Sciences. 28(3) : 2006
15. **Bilan N**, BehbahanG.A . Risk factors of reintubation in children admitted to Pediatric Intensive Care Unit .Int .Med J . 5(2) : 2006
16. **Bilan N**. Safaralizadeh A.Asthma and epilepsy. Medical Journal of Tabriz University of Medical Sciences. 28(4) : 2007
17. **Bilan N**, Behbahan G.A. PICU extubation failure: the role of neuromuscular disorders. Medical Journal of Tabriz University of Medical Sciences. 29(1) :2007
18. **Bilan N**, BehbahanG.A, ZinatMiabi,Diagnosis of airway Malacia by virtual Bronchoscopy. Pakistan Journal of Biological Sciences . 11(14) : July 2008
19. **Bilan N**. Effects of educational plan on adherence rate among children with persistent asthma. Pakistan Journal of Biological Sciences . 11(14) : July 2008
20. **Bilan N**, Ahadi Adel,Survey of outcome of Asthmatic children referred to outpatient clinic of Tabriz University of Medical Sciences. Pakistan Journal of Biological Sciences .11(14) : July 2008
21. **Bilan N** , Behbahan G.A,khosrowshahy JA. Validity of venous blood gas analysis for diagnosis of acid-base imbalance in children admitted to PICU.World Journal of Pediatrics. 4(2) : May 2008

22. **Bilan N**, Shoaran M, Comparison of efficacy of fluticasone in different frequencies in the treatment of Mild Persistent Asthma. *Medical Journal of Tabriz University of Medical Sciences*. 30 (1) : 2008
23. **BilanN**, Shiva Sh,Ghaffari Sh. Survey of factors effective on outcome of weaning from mechanical ventilation. *Pakistan Journal of Biological Sciences*. 12(1) : 2009
24. AdilehShirmohammadi , Reza Pourabbas , **Nemat Bilan** , Mohammad- TaghiChitsazi. Relationship between Maternal Periodontal Condition and Body Size of Newborns .*Iranian Journal of Pediatrics*. 19 (2) : 2009
25. **Bilan N**, Galehgolab B A , .Emadadin A , Shiva Sh. Risk of Mortality in Pediatric Intensive Intensive Care Unit, Assessed by PRISM-III. *Pakistan .Journal of Biological Sciences*.12(6) : 2009
26. **Bilan N**, Galehgolab B A ,shoaran M. Medical Treatment of lungCollapse in Children. *Pakistan Journal of Biological Sciences*.12(5) : 2009
27. **Bilan N**, Shiva Sh,Ghffari Sh. Survey of Factors Effective on re-intubation among children admitted to PICU. *Pakistan Journal of Biological Sciences*. 12 (1) : 2009
28. **BilanN** ,Behbahan A.G, Abdinia B,Mahallei M. Validity of pulse oximetry in detection of hypoxaemia in children: comparison of ear, thumb and toe probe Placements. *EMHJ* . 16 (2): 2010
29. BonyadiM,Omrani O, Rafeey M, **Bilan N** .Spectrum of CFTR Gen mutation in Iranian Azeri Turkish patients with cystic fibrosis. *Genet Test Mol Biomarkers.*; 15(1-2) :2011: 89-92
30. **Bilan N**,Gaemi R,Shiva Shadi. Risk factors for the development of critical illness polyneuropathy and myopathy in pediatric intensive care unit. *Iranian journal of child neurology*. 5(3) : 2011
31. **BilanNemat**, Sadegvand Shahram,Ranjbar Shirin .Therapeutic effect of insulin in reducing critical illness polyneuropathy and myopathy in the pediatric intensive care unit. *Iranian journal if child neurology* 6(3) : Summer 2012
32. Saboktakin L ,**Bilan N**, Nikniaz A, Nazari M. study of serum leptin level of children with asthma.*life science journal* .9(4) :2012
33. **BilanNemat**, Poorshiri B.The role of chest physiotherapy in prevention of postextubation atelectasis in pediatric patients with neuromuscular diseases. *Iranian journal if child neurology* 7(1) : 2013
34. Zarei S,Valizadeh L, **Bilan N**. The Effect of Educational and Modifying intervention on Asthma Control among Adolescents:a Randomized Clinical Trial . *Journal of Caring Sciences* .2(1); 73-82 : 2013

35. **BilanNemat**, MalekiMajid , RahmanianAhsan , DastranjAzar . Effect of Immobilization on Emerging of Hypercalciuria in Patients Admitted to Pediatric Intensive Care Unit .J Clin Res Gov 2(31-33) : 2013
36. Amir Hossein Jafari Rouhi, **Nemat Bilan**, Ali Taghizadieh, SepidehTahmasebi, PoonehNavidi, Factors that Affect the Outcomes in Children with Decompensated Shock. Medical Journal of Tabriz University of Medical Science. 34(2) ; 26-30: 2012
37. Ghaffari Shamsi, Afrasibi Abas, **BilanNemat**, SamadiMahmood, BahmanRastghar , Ghaffari Mohammadreza, Changhizi Ali. Evaluation of Total Anomalous Pulmonary Vein Connection and Its Outcomes in the Shahid Madani Hospital from 1986 to 2008 .Medical Journal of Tabriz University of Medical Sciences .2010;32(3) :46-49
38. Jabbarpour Bonyadi M, Omrani O, **Bilan N**, Rafeey M, Ansarin K, KazemiNasab S Studying the Exon 10 and Its Introns of Cfr Gene By PCR-Sscp Method Among Cystic Fibrosis Patients from East Azerbaijan. Medical Journal of Tabriz University of Medical Sciences .2008; 29(4):13-20
39. Barzegar M, Mogaddam Av, **Bilan N**, Topchizadeh V, Pezeshki Smz Risk Factors of Respiratory Failure in Children with GuillainBarre Syndrome. Medical Journal of Tabriz University of Medical Sciences .2007; 29(1):17-21.
40. Leila Valizadeh, **NematBilan**, SoheilaZarei, Akbar Sharifi .Effect of Education and Controlling Asthma Triggers on Quality of Life among Adolescents with Asthma: A Randomized Clinical Trial .J MazandaranUniv Med Sci 2013, 23(98): 49-57.
41. **NematBilan** ,MajidMaleki , HadiKyanvar . Changes in Renal Indices among Children under Mechanical Ventilation. Journal of Clinical Research & Governance.2013 (73-75).
42. **NematBilan** , Shiva Shadi . Apnea testing, a simple prognostic test for diagnosis of brain death.Journal of Analytical Research and Clinical Medicine 2014,2(2).57-60.
43. Kargar Maher M.H, Rahkar F.M, **BilanNemat**. JahilZadeh M, Dereshki Amir, Abdinia Babak.Evaluation and Outcomes of Pediatric Pleural Effusions in Over 10 Years in Northwest,Iran. International Journal of Pediatrics.2 ,serial No.8,August 2014.
44. **BilanNemat** ,AgakhaniMitra, Niafar M .Factors effective on outcome of Bronchiectasis in pediatric patients . Int J Pediatr . December 2014 ; 2(4-3)
45. **BilanNemat**,Mohammad Barzegar, PirzadehHabib, SaboktakinLida, GorBani H,A. Serum Copper and zinc levels of children with asthma . international Journal of current Research and Academic Review. 2014; 2(8): 266-273
46. **BilanNemat** ,AgakhaniMitra , GoldostMohmood. Outcome of Cystic Fibrosis in patients with Bronchiectasis. Int J Pediatr.2014 ; 2(10)
47. AminiA ,**BilanNemat** , GhasempourMasumeh. Effects of Reflection on Clinical Learning of Medical Students .Int J Pediatr . March 2015 ; 3(2-1)

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50. **Nemat Bilan**, Azar Dastranji ,Afshin Ghaleh Golab . Comparison of the Spo₂/Fio₂ Ratio and the Pao₂/Fio₂ Ratio in Patients With Acute Lung Injury or Acute Respiratory Distress Syndrome. J Cardiovasc Thorac Res, 2015, 7(1)
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53. **Nemat Bilan**, Shalaleh Ganji. Comparison of CPAP with Humidifier, Blender, and T-piece on the Outcome of Weaning in Patients with Neurological Disorders. Iran J Child Neurol. 2015 Spring ; 9(2)
54. **Nemat Bilan** , Masoumeh Ghasempour . A comparison of Oral and Inhalant Corticosteroids in Treatment of Mild to Moderate Asthma Exacerbation in Children. Advances in Bioscience & Clinical Medicine. 2015; 2(3)
55. Shamsi Ghaffari ,Masoumeh Ghasempour , **Nemat Bilan**. Spontaneous Breathing Trial: A Reliable Method for Weaning in Children. Int J Pediatr . Jun 2015; 3(3-2)
56. Mohammad Hasan Kargar Maher ,Parinaz Habibi , **Nemat Bilan**. Clinical Predictors of Intensive Care Unit Admission for Asthmatic Children. Int JPediatr . Jul 2015; 3(4-1)
57. **Nemat Bilan** , Samira Molayi.Effect of lung recruitment maneuver in children with acute lung injury. International Journal of Pediatrics 2016 4(1787- 1794)
58. Nemat Bilan , Farinaz Amiricar, Masoumeh Gasempour.Validity of spo₂ in measuring Oxygenation Index. International Journal of Pediatrics 2016 4(1935-1941)
59. Hengameh Khajavikia, Leila Valizadeh, Soheila Zarei, **Nemat Bilan**, Negar Talschian.The effect of education modified of asthma instimulants on attitude of the adolescents with asthma in respiratory specialty clinics of Tabriz, north west of Iran. International Journal of Pediatrics,February 2017 4(4385-4393)
60. Masoumeh Gasempour, **Nemat Bilan** , Iman Vafaei,The role of spirometry in the diagnosis of cough variant asthma, International Journal of Pediatrics,December 2017 59(6329-6336)

61. Iman vafaei ,**Nemat Bilan** ,Masomeh Gasepor. Validity of spirometry for diagnosis of cough variant asthma. International Journal of Pediatrics,December 2017 5(6431 -6438)

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Role of serum IgE level in Diagnosis of severity of Cough variant asthma. Journal of Analytical Research in Clinical Medicine. in inpress.

63. Gholmreza Rahbari Bonaean , **Nemat Bilan** , Sina Pakdel , Sina Raeisi .The role of inflammatory Bio markers in the management of children with asthma. International Journal of Pediatrics. Vol.6,N.12,Serial No.60,Dec.2018

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Positive Expiratory Pressure (PEP) versus Conventional Chest Physiotherapy in pediatric Patients with Acute Exacerbation of Cystic Fibrosis. International Journal of Pediatrics.Vol.7,N.1,Serial No.61,Jan.2019

65. Azar Dastranji ,**Nemat Bilan**.
The Role of Rapid Shallow Breathing Index in Predicting Successful Weaning of Pediatric Patients with Respiratory Failure. International Journal of Pediatrics.Vol.7,N.2,Serial No.62,Feb.2019

Congress presentations

- 1) Bilan N . Richets and bronchopneumonia, Annual Congress of Pediatrics , Tehran .1993
- 2) **Bilan N** . Survey of pulmonary involvement patterns in patients with esophageal atresia. Congress of Iranian pediatric surgeon's association .Tabriz 2005
- 3) **Bilan N** , Abdinia B. Comparison of End tidal carbon dioxide and pco2 in mechanically ventilated patients 26th annual congress of Iranian Pediatrics Association. Tehran 2005
- 4) **Bilan.N** , Behbahan.G.A. Neuromuscular disorders the main risk factor for re-intubation and prolonged mechanical ventilation in PICU. Congress of Emergency Medicine. Tehran 2006
- 5) **Bilan N** . Competency of newly graduted pediatricians in intubation.National congress on Medical Education. Tabriz 2005
- 6) **Bilan N** . Cystic fibrosis, problems and solutions.25th annual congress of Iranian Pediatrics Association. Tehran .2004
- 7) **Bilan N**. pulmonary problems and its outcome in patients with guilain barre syndrome. Congress of Iranian Pediatric Neurologists Association. Bandar abbas 2005
- 8) **Bilan N**. Ghaffari SH. Comparison of two methods of mechanical ventilation weaning in PICU. 6th Iranian congress of pulmonary diseases& intensive care medicine 17-20 April 2007
- 9) **Bilan, N**, Study of low birth weight (LBW),International congress of Pediatrics Diseases,Tehran (1992).
- 10) **Bilan, N**, Zenosis and breast-feeding,Annual Congress of Pediatrics,Tehran (1993).

- 11) **Bilan N**, Teachers and hidden curriculum, National Congress of Medical Education shiraz 2009.
- 12) **Bilan N**, Barzegar M, Shiwa Siamak, general approach an strong method of empowering of academic members. National Congress of Medical Education shiraz 2009.
- 13) **Bilan N**, Shiwa Siamak, OSCE and BLOOM. National Congress of Medical Education shiraz 2009.
- 14) Jafari A H , **Bilan N**, Golipor Ch , Curriculum development: pediatric emergency for emergency residents. National Congress of Medical Education shiraz 2009
- 15) **Bilan N**, Rikhtegar R , Integration of EBM in Morning report. 9th National Congress on Medical Education Yazd, 4-6 March 2008
- 16) **Bilan N**, Rikhtegar R, Hidden curriculum. 9th National Congress on Medical Education Yazd, 4-6 March 2008
- 17) **Bilan N**, Rikhtegar R, nazari M, khojasteh J, Rasoli H, Pia. Assessment of performance of medical students among critical conditions. 9th National Congress on Medical Education Yazd, 4-6 March 2008
- 18) **Bilan N**, Faiiaz A. effect of type of final exam on practical education of newly educated pediatric residents. 9th National Congress on Medical Education Yazd, 4-6 March 2008.
- 19) **Bilan N**, How to make the OSCE more objective. 9th National Congress on Medical Education Yazd, 4-6 March 2008.
- 20) **Bilan N**, integration of reflection in follows up. 9th National Congress on Medical Education Yazd, 4-6 March 2008.
- 21) **Bilan N** reflection on different types of reflection. .9th National Congress on Medical Education Yazd
- 22) **Bilan N**, Rikhtegar R, survey of active learning indicators among student centered education. 9th National Congress on Medical Education Yazd, 4-6 March 2008
- 22) **Bilan N**, Barzegar M Comparison of general approach with conventional clinical round in pediatric wards. 9th National Congress on Medical Education Yazd, 4-6 March 2008.
- 23) **Bilan N**. Evidence based evaluation of medical students. 8th National Congress on Medical Education. 6-8 March 2007 Kerman Iran.

24) Bilan, N. Student centered bedside teaching (Model). 8th National Congress on Medical Education. 6-8 March 2007 Kerman Iran.

25) Bilan, N. Integration of Cascade Education and Clinical Presentation. 8th National congress on Medical Education. 6-8 March 2007 Kerman Iran.

26) Bilan, N. Evaluation of Student Centered Morning Report. 8th National congress on Medical Education. 6-8 March 2007 Kerman Iran.

27) Bilan, N. Jafari, A H. Fatal Asthma. Iranian Congress of Pediatric Emergency. 8th National congress on Medical Education. 6-8 March 2007 Kerman Iran.

28) Bilan, N. Survey of KAP of medical students about emergency diseases of pediatrics, First Congress of Emergency Diseases of Pediatrics, Tabriz (1997).

29) Bilan, N. Role of ORS in reducing of Diarrhoeal mortality and morbidity in under five years old pediatrics, National Congress of Oral Therapy, Arak (2000).

30) Bilan, N. Cystic fibrosis, problems and solutions National Congress of Women and Health, Uromia 2002).

31) Bilan, N. pulmonary problems and its outcome in patients with guilainbarre syndrome. 25th annual congress of Iranian pediatrics association. Tehran (2004).

32) Bilan, N. Survey of pulmonary involvement pattern in patients with esophageal atresia (pediatrics intensive care unit of Tabriz children hospital). Congress of Iranian pediatric neurologists association. Bandar abbas 2005.

33) Bilan, N. Behbahan, G.A. Management of lung collapse in children by non-invasive method. Medical Journal of Tabriz University of Medical Sciences, 27(2) 2005.

34) Bilan, N. Behbahan, G.A. Neuromuscular disorders the main risk factor for reintubation and prolonged mechanical ventilation in PICU. Congress of emergency medicine. Tehran 2006.

35) Bilan, N. Logbook home work or mutual right. Congress of Iranian pediatric neurologists association. zahedan 2006. 7th

36) Bilan, N. competency of newly graduated pediatricians in intubation. National Congress on Medical Education. Tabriz 2005. 7th

37) Bilan.N. Predictive factors of PICU admission in asthmatic children.

International congress on pulmonary diseases.Intensive care and tuberculosis.Tehran 2005

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Of pulmonary diseases& intensive care medicine 17-20 April 2007.