

Hamide Barzegar, MD

Specialty Board of Pediatrics
Specialty Board of Neonatology

Personal Data

Present Title: Neonatologist
University Address: Neonatology and Perinatology
Department of Pediatrics
Shiraz University of Medical Sciences
Bate of Birth: Dec. 9, 1989
Place of Birth: Shiraz, Iran
Marital Status: Married
Email: Barzegarh@sums.ac.ir, hamide.barzegar@gmail.com

Education

2008-2015 **Doctor of Medicine**
Shiraz University of Medical Sciences, Shiraz, Fars, Iran
2004-2008 **High School Diploma**
NODET- Farzanegan High school, Shiraz, Fars, Iran

Post Graduate Training

2021-2023 **Fellowship in Neonatology**
Division of Neonatology and Perinatology, Pediatric Department, Shiraz
University of Medical Sciences, Shiraz, Fars, Iran
2017-2020 **Pediatric Residency**
Pediatric Department, Shiraz University of Medical Sciences, Shiraz, Fars, Iran

Honors

2020 **Top 5 percentile**
Pediatric Board Examination
2008 **Top 0.1 percentile (ranked 239 of 460,588)**
Iran Universities National Medical School Entrance Examination

Board Certification

1) **Iranian Board of Neonatology**
2) **Iranian Board of Pediatric**

Professional Organizations

1) **Iranian Society of Neonatology**
2) **Neonatology research center, Shiraz University of Medical Sciences**

Professional Work Experience

2025 Assistant Professor, Hormozgan University of Medical Sciences, Bandar Abbas, Hormozgan, Iran.

Teaching Responsibilities

- 2025 **Cardiovascular**
ACORN Seminar, Shiraz University of Medical Sciences, Shiraz, Fars, Iran
- 2024 **Cardiovascular**
ACORN Seminar, Shiraz University of Medical Sciences, Shiraz, Fars, Iran
- 2023 **Prenatal Care**
Management of Prematurity and its Complications Seminar, Shiraz University of Medical Sciences, Shiraz, Fars, Iran
- 2023 **Management of hypertension, PDA, and blood transfusion**
Management of Prematurity and its Complications Seminar, Shiraz University of Medical Sciences, Shiraz, Fars, Iran
- 2022 **Approach to Acid-Base Disorders**
School of Nursing and Midwifery, Shiraz University of Medical Sciences, Shiraz, Fars, Iran
- 2019 **Pediatrics Physical Examination**
School of Nursing and Midwifery, Shiraz University of Medical Sciences, Shiraz, Fars, Iran

Publications

- 1) Moradi Alamdarloo S, Hashemi A, **Barzegar H** et al. *Bladder hydrodissection vs. Traditional hysterectomy in placenta accreta: a single-center controlled trial pilot study in Shiraz, Iran.* BMC Pregnancy Childbirth (2025). <https://doi.org/10.1186/s12884-025-08462-7>
- 2) Oboodi R, **Barzegar H**, Doostfatemeh M. et al. *Maternal substance use disorder and neonatal health: epidemiologic and socioeconomic determinants in a case-control study, Shiraz, Iran.* BMC Pregnancy Childbirth 25, 1258 (2025). <https://doi.org/10.1186/s12884-025-08377-3>
- 3) Moradi Alamdarloo S, Nassari, F, Hashemi A, Aaskary E, Mohammadi R., Bazrafshan, K., ... **Barzegar H***. *Developmental Outcomes at 6 Months in Neonates with First-minute Apgar Score Below 7 and Gestational Age More Than 35 Weeks: A Single-center Study.* Galen Medical Journal, 14, e3838. (2025). <https://doi.org/10.31661/gmj.v14i.3838>

- 4) Moradi Alamdarloo S, Hoseini F, Hashemi A, Vafaei H, Zolghadr M, **Barzegar H***. *Optimal Timing for Elective Cesarean Deliveries: Insights from a Comparative Study at 38-or 39-Weeks Gestation*. Galen Medical Journal. 2025 Nov 5;14:e3839-
- 5) Rouhafshari M, Imanieh MH, Khazaei M, Ziyae F, **Barzegar H***. *Pediatric Gastric Adenocarcinoma in the Setting of Celiac Disease: A Rare and Insightful Case Report*. Clinical Case Reports. 2025 Oct;13(10):e71027.
- 6) Firouzabadi RD, Homayoon N, Arabian S, Dehghanpour F, Mangoli E, **Barzegar H**, Garizi SZ. *Influence of assisted hatching on pregnancy outcomes in women with poor ovarian response: An RCT*. International Journal of Reproductive BioMedicine. 2025 Aug 20;23(6):475.
- 7) Rouhafshari M, Hadi Imanieh M, Khazaei M, Radaei Z, **Barzegar H***. *An Unusual Presentation of Tyrosinemia Type 1 in a Pediatric Patient: Case Report and Comprehensive Review*. Clinical Case Reports. 2025 Apr;13(4):e70384.
- 8) Davoodi M, **Barzegar H**, Bahrami R, Najib KS. *Evaluation of Neonatal and Maternal Outcomes in Pregnant Women with COVID-19 in Southern Iran: A Case-Control Study*. Arch Pediatr. 2025 Apr;13(2):e150381.
- 9) Najib KS, **Barzegar H**, Rezaei M, Davoodi M. A Comparison of the Effect of Beractant (Beracsurf) and Proctant Alpha (Curosurf) in Neonatal Respiratory Distress: A Randomized Controlled Trial. *Iranian Journal of Medical Sciences*. 2025 Mar 1;50(3):171.
- 10) Moradi Alamdarloo S, Hashemi A, Hessami K, Askary E, **Barzegar H**, Haseli S, Abbaspour E. Gross hematuria and placenta percreta: Report of two cases and literature review. *Journal of Obstetrics and Gynaecology Research*. 2025 Jan;51(1):e16177.
- 11) Najib KS, **Barzegar H**, Rezaei M, Kohandel-Shirazi M, Davoodi M. Surgical management of multiple congenital epulis in the maxillary and mandibular alveolar ridges of a newborn: A case report. *International Journal of Surgery Case Reports*. 2024 Dec 1;125:110579.
- 12) Ilkhanipoor H, Honar N, Razavi E, Moravej H, Nazemosadat A, **Barzegar H***. Clinical Characteristics of Pediatric Patients with Inborn Errors of Metabolism Admitted to Namazi Hospital, a Tertiary Referral Center in Shiraz, Southern Iran. *Journal of Kerman University of Medical Sciences*. 2024 Dec 1;30(6):349-53.
- 13) **Barzegar H**, Hashemi Z*, Oboodi R, Moslehi MA, *Vitamin A and D levels in preterm neonates: Association with morbidities and clinical considerations*. Iranian Journal of Neonatology. **2024** in press.
- 14) Ilkhanipoor H, Honar N, Razavi E, Moravej H, Nazemosadat A, **Barzegar H***. *Clinical characteristics of pediatric patients with inborn errors of metabolism admitted to Nemazi hospital, a tertiary referral center in Shiraz, southern Iran*. Journal of Kerman University of Medical Sciences. **2024** Dec 1;30(6):349-53.

- 15) Najib KS, Ostovar L, Rezaei M, **Barzegar H** *. *Developmental outcome of neonates underwent exchange transfusion due to hyperbilirubinemia: A single-center experience.* Journal of Education and Health Promotion. **2024** Jun 1;13(1):209.
- 16) **Barzegar H**, Davoodi M, Pourarian S, Reihani H*. *Operation of a giant occipital encephalocele in an infant: A surgical case report.* International Journal of Surgery Case Reports. **2024** Jun 1;119:109681.
- 17) Hemmati F, Mahini SM, Bushehri M, Asadi AH, **Barzegar H** *. *Exchange Transfusion Trends and Risk Factors for Extreme Neonatal Hyperbilirubinemia over 10 Years in Shiraz, Iran.* Iranian Journal of Medical Sciences. **2024** Jun 1;49(6):384-93.
- 18) Hashemi A, Alamdarloo SM, Vafaei H, **Barzegar H**, Jafari F, Haseli S, Abbaspour E*. *Multiple Giant Placental Chorioangioma: A Case Report.* Clinical Case Reports. **2024** In press.
- 19) Ghotbabadi SH, **Barzegar H** *, Abdolvand M. *Generalized cutis marmorata telangiectatica congenita or neonatal lupus? A case report and literature review.* Clinical Case Reports. **2024** May;12(5).
- 20) Oboodi R, Hashemi Z, Jaafarzadeh E, Yazdani N, **Barzegar H** *. *Bacterial Etiology and Antibiotic Susceptibility Profile in Neonatal Sepsis.* Archives of Pediatric Infectious Diseases. **2024** Jan 31;12(1).
- 21) Najib SK, Razavinejad SM, Yarmahmoodi F, **Barzegar H** *. *Unilateral diaphragmatic paralysis and complete brachial plexus injury in a complex birth injury: A rare case report mimicking Tarlov cyst and review of literature.* Clinical Case Reports. **2024** Jan;12(1).
- 22) Ilkhanipoor H, Razavinejad SM, Asadi M, Oboodi R, Yarmahmoodi F, **Barzegar H** *. *Evaluation of Growth Indices as an Important Health Indicator in Children 2-4 Years Old with History of Prematurity and Low Birth Weight: A Retrospective Cohort Study in Shiraz, Referral Center in Southern Iran, During 2019-2021.* Armaghane Danesh. **2023** Dec 10;28(6):856-69.
- 23) Oboodi R, **Barzegar H** *, Behzadi R. *Necrotizing fasciitis in neonates: A case report and review of literature.* Clinical Case Reports. **2023** Nov;11(11).
- 24) Hemmati F, **Barzegar H** *. *Persistent pulmonary hypertension of the newborn due to methylmalonic acidemia: a case report and review of the literature.* Journal of Medical Case Reports. **2023** Jul 11;17(1):288.
- 25) Ilkhanipoor H, Ghotbabadi SH*, **Barzegar H**, Sedaghat A. *Adrenal insufficiency as a rare manifestation of secondary antiphospholipid syndrome: A pediatric case report and review of articles.* Clinical Case Reports. **2023** Jun;11(6).
- 26) Hemmati F, **Barzegar H** *. *Intrauterine toes gangrene in a neonate.* Journal of Neonatal Surgery. **2023** May 14;12:16-.

- 27) Razavinejad SM, Saeed N, Pourarian S*, Rezaei M, Bahrami R, Yazdani N, **Barzegar H**, Yarmahmoodi F. *Complications and Related Risk Factors of Peripherally Inserted Central Catheters in Neonates: A Historical Cohort Study*. Archives of Iranian medicine. **2023** Apr;26(4):218.
- 28) Hemmati F, **Barzegar H** *, Oboodi R. *Giant umbilical cord in a normal preterm infant: a case report and review of the literature*. Journal of Medical Case Reports. **2023** Jan 15;17(1):14.
- 29) Ilkhanipoor H, Rezaie Z, Ataolahi M*, Dehghani SM, **Barzegar H**, Salarian L. *Bone mineral densitometry is recommended in pre-liver transplant evaluation in children suffering from Wilson disease*. Int J Organ Transplant Med (IJOTM). **2023**;14(2).
- 30) Akbari A, Haghpanah S, **Barzegar H**, Shahsavani A, Afrasiabi A, Parand S, Karimi M*. *Epidemiologic study of patients with thrombotic events referred to a tertiary hospital in Southern Iran*. Heliyon. **2021** Aug 1;7(8).
- 31) Bordbar MM, **Barzegar H**, Tashkhourian J, Bordbar M, Hemmateenejad B*. *A non-invasive tool for early detection of acute leukemia in children using a paper-based optoelectronic nose based on an array of metallic nanoparticles*. Analytica Chimica Acta. **2021** Jan 2;1141:28-35.
- 32) Amanati A, **Barzegar H** *, Pouladfar G, Sanaei Dashti A, Abtahi MB, Khademi B, Ashraf MJ, Badiee P, Hamzavi SS, Kashkooe A*. *Orbital mucormycosis in immunocompetent children; review of risk factors, diagnosis, and treatment approach*. BMC Infectious Diseases. **2020** Dec;20:1-9.
- 33) Mahmoodian H, **Barzegar H**. *Evaluation of obtained informed consents from patients undergoing gynecological surgery in a hospital in shiraz during 2014*. Iranian Journal of Medical Ethics and History of Medicine. **2017** Mar 10;10:78-90.

Book Translation

- 1) Nelson textbook of pediatrics, 22th. ed
Translated from English to Persian by Hamide Barzegar.

Peer Review Experience

- 1) Discover Medicine
- 2) BMC Pediatrics
- 3) Egyptian Pediatric Association Gazette
- 4) BMC Pregnancy and Childbirth
- 5) Journal of Neonatal Surgery
- 6) BMC Medical Case Reports
- 7) BMJ Case Reports

Certifications

- 1) Point of Care Ultrasound in Neonates (Cranial Ultrasound), MPROVE, 2025.
- 2) 1st Webinar of GSN World Prematurity, Gulf Society of Neonatology, 2025.

Presentations

- 1) Razavinejad SM, Saeed N, Pourarian S*, Rezaei M, Bahrami R, Yazdani N, **Barzegar H**, Yarmahmoodi F. *Complications and Related Risk Factors of Peripherally Inserted Central Catheters in Neonates: A Historical Cohort Study*. Amirhakimi Pediatric Congress; **2024**; Shiraz, Iran.
- 2) **Barzegar H**, Hashemi Z*, Oboodi R, Moslehi MA, *Vitamin A and D levels in preterm neonates: Association with morbidities and clinical considerations*. Neonatology Congress; **2024**; Tehran, Iran.
- 3) Ilkhani H, **Barzegar H**. Pheochromocytoma: a rare and serious cause of hypertension, 3rd Professor Amirhakimi Pediatric Congress; June **2022**; Shiraz, Iran.
- 4) Bordbar MM, **Barzegar H**, Tashkhourian J, Bordbar M, Hemmateenejad B. A non-invasive tool for early detection of acute leukemia in children using a paper-based optoelectronic nose based on an array of metallic nanoparticles, 3rd Professor Amirhakimi Pediatric Congress; June **2022**; Shiraz, Iran. **Selected as the best paper**
- 5) Amanati A, **Barzegar H**, Pouladfar G, Sanaei Dashti A, Abtahi MB, Khademi B, Ashraf MJ, Badiee P, Hamzavi SS, Kashkooe A. Orbital mucormycosis in immunocompetent children; review of risk factors, diagnosis, and treatment approach. 3rd Professor Amirhakimi Pediatric Congress; June **2022**; Shiraz, Iran.