

Seyedeh Narjes Ahmadizadeh, MD

Curriculum vitae

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Academic Degree: Full-time Assistant Professor of Pediatric Intensivist in Shahid Beheshti University of Medical Sciences

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Education

- Fellowship in Pediatric Intensive Care (PICU) : Shahid Beheshti University of Medical Science(SBMU); Tehran,Iran, September 2017- March 2019
- Fellowship Candidate ,Pediatric Pain Management, Imam Hossein Hospital , Shahid Beheshti University of Medical Science Tehran,Iran, April 2025 until now
- Residency in Anesthesia: Shahid Beheshti University of Medical Science Tehran, Iran (SBMU); September 2012- September 2016

- Medical Degree: Mashhad Azad University of Medical Science; Mashhad ,Iran September 1997- September 2004

Theses written during Education

- The thesis of General physicians: Comparison between diagnostic ultrasound and pathology in the diagnosis of appendicitis in appendectomy patients (supervised by Panahi Ghazal MD, Aria Hospital , Mashhad Azad University of Medical Science,2004)
- The thesis of Anesthesiology residency :Comparison of the level of analgesia in patients undergoing percutaneous lithotripsy with spinal anesthesia in two lateral and prone positions: a randomized clinical trial (supervised by Roodneshin Fatemeh MD, Labafinezhad Hospital , Shahid Beheshti University of Medical,2016)
- The thesis of Picu fellowship : Comparison of the efficacy COMFORT Scale with State Behavioral scale for assignment sedation protocol in Picu

Work Experiences

- Head of Pediatric Intensive Care Unit , Mofid Children Hospital , Shahid Beheshti University of Medical Science , Tehran, Iran from 2019 until now.
- Head of COVID -19 Pediatric Intensive Care Unit , Mofid Children Hospital , Shahid Beheshti University of Medical Science, Tehran, Iran from 2020 until the end of covid pandemic 2023.
- Executive Secretary of Annual Conference of Pediatrics intensive care ,Tehran,Iran,11-12 January 2023

- Scientific Secretary of 19th National congress of Pediatrics Emergencies and common Diseases, Ventilator Workshop , Tehran , Iran 27 November 2023
- Implementation of the numerous Pediatrics CPR workshop Shahid Beheshti University of Medical Science , Tehran, Iran from 2022 until now
- Deputy for training of Pediatric Intensive Care Unit , Mofid Children Hospital , Shahid Beheshti University of Medical Science Tehran, Iran . 2018-2019
- Coordinator, Registry Working Group, Department of Anesthesiology and Critical Care and pain,Tehran , Iran ,2024 until now
- Member of Artificial Intelligence Committee of Department of Anesthesiology and Critical Care and pain ,Tehran , Iran ,2022 until now
- Assistant-professor of Pediatric Anesthesia, Department of Anesthesiology and Critical Care and pain , Mofid Children Hospital, Shahid Beheshti University of Medical Sciences, Tehran, Iran. 2016-2017
- Manager of Methadone maintenance treatment clinic , Darmangaran Clinic , Mashhad Medical Science University, Mashhad ,Iran. 2009-2012
- Supervisor of Emergency Ward , Emam Hospital , Mashhad Medical Science University, Shirvan ,Iran . 2004-2006

Teaching Experiences

- Provided academic training and clinical supervision for fellowship trainees in pediatric intensive care (PICU)
- Involved in the academic teaching and bedside training of pediatric residents.
- Contributed to the education and clinical training of anesthesiology resident.
- AHA PALS Instructor (American Heart Association , Pediatrics Advanced Life Support) , training of PALS for medical doctors , Shahid Beheshti University of Medical Science. From 2020 until now

Honor

- Awarded as the Best PICU Director in the Covid 19 pandemic, Mofid Children's Hospital, Shahid Beheshti University of Medical Science, 2020
- Recognized for excellence in the educational process and advancement of Theoretical mastery among anesthesiology residents, Shahid Beheshti University of Medical Science. 2018
- First Place , National Anesthesiology Board Exam , Iran, August 2017

Membership

- Founding Member of Pediatric Critical Care Society 2025 until now
- Scientific Association of the Red Crescent Society .2002-2006

- Membership of Iranian Society of Anesthesiology and Critical Care from 2021 until now
- Membership of Iranian Pain from 2020 until now
- The committee for the promotion of faculty members of the department of Anesthesiology, Shahid Beheshti University of Medical Science, 2022 until now
- Hospital Mortality Committee, Mofid Children Hospital, Shahid Beheshti University of Medical Sciences, 2019 until now
- Blood transfusion and Hemovigilance Committee of Mofid Children Hospital, Shahid Beheshti University of Medical Science, 2019 until now

Educational courses

- Faculty Development Program, Shahid Beheshti University of Medical, Tehran, Iran, 2017 for six month
- Mentorship training courses, Shahid Beheshti University of Medical, Tehran, Iran, 2018
- Instructor training courses for PALS by AHA instructors for Pediatrics Resuscitation, Ministry of Health, Tehran, Iran, January 2020
- Workshops for : MCQ, Systematic Review and Meta Analysis, Artificial Intelligence, Chronic pain management, Echocardiography in critical care patients, Department of anesthesia, Shahid Beheshti University of Medical Science from 2018 until now

- Observer ship at the Department of pediatrics Neurosurgery .the Medical university Silesia in Katowice ,Poland , from November 19 to December 02,2023
- Assessment and Evaluation skill course in Medical Sciences ,Virtual University of Medical Sciences for six month , February until August , 2021

Recent Lectures

- The effect of electrical stimulation on ultrasonic criteria of diaphragm dysfunction in mechanical ventilated pediatrics, Annual Conference of Pediatrics intensive care, Isfahan ,Iran22May 2025
- Catheter related infections in PICU , Annual Conference of Pediatrics intensive care, Shiraz ,Iran October 24,2024
- The role of Artificial Intelligence in Pediatrics CPR ,20th National congress of Pediatrics Emergencies and common Diseases, Tehran , Iran , November 26 ,2024
- Advance Pediatrics CPR ,Medical Council of Iran, May 30 ,2024
- Ventilator Set up in Pediatrics , Shahid Beheshti University of Medical Sciences ,May 28 ,2024
- Respiratory monitoring in Pediatric Acute Respiratory Distress Syndrome, Annual Conference of Pediatrics intensive care ,Tehran,Iran,11-12 January 2023

- Management of Pain and Sedation in PICU , 19th National congress of Pediatrics Emergencies and common Diseases, Tehran , Iran 28-30 November 2023
- Comparison of the efficacy COMFORT Scale with State Behavioral scale in PICU, 9TH International Conference on Pediatrics, Barcelona, Spain ,August 2023
- The role of Mechanical Power in lung injury in PARDS , National pediatrics critical care congress , Mazandaran Medical science university , Iran , June 2023
- Pediatrics Acute Respiratory Distress Syndrome according to PALLIC 2023, 15th International Anesthesiology , Critical care and Pain ,Tehran ,Iran ,May 2023
- Catheter related Infection in PICU , Pediatric Sepsis congress ,Tehran university of Medical Science ,Iran , September 2022
- Sedation in pediatrics painful procedure , 18th International Congress of Pediatrics Emergency Medicine , Mofid Children Hospital, Shahid Beheshti University of Medical Sciences, December 2022

Books

- Foundations of Anesthesiology,pain and critical care ,Artin Teb Publication, Iran , 2025

- A collection of specialized Anesthesia and critical care Questions for Board exam , Artin Teb publication , Iran ,2016
- Steolting`s Anesthesia and Co Existing Disease 2018, translation to Persian ,Artin Teb publication ,Iran,2018
- Basics of Anesthesia and critical care and pain , Book authorship , Artin Teb publication ,Iran,2024

Theses

(Indexed in https://isid.research.ac.ir/SeyyedehNarjes_Ahmadizadeh)

- The Association Between Malnutrition Status Indicator (Prognostic Nutritional Index [PNI]) and Extubation Success in Pediatric Intensive Care Unit Patients: A Cross-Sectional Study, Mofid Children's Hospital,2025(advisor)
- Comparison of dexmedetomidine and midazolam to prevent emergence agitation and reduce post operative pain in pediatric abdominal mass surgery ,Mofid Children's Hospital,2025(supervisor)
- Investigating the prevalence of ventilator-induced pneumonia (VAP) and microbial resistance in children under ventilators in the intensive care unit of Mofid Children's Hospital in 2025(Advisor)
- Investigating the relationship between oxygen saturation index and extubation success in children under mechanical ventilation, Mofid Children's Hospital,2024(advisor)
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- Investigating the effect of oral melatonin in reducing the dose of continuous infusion of midazolam and intravenous fentanyl in children under mechanical ventilation at Mofid Children's Hospital: a three-blind randomized clinical trial ,August 2024 (supervisor)
- Development and evaluation of a pediatric septic shock registration system 2024 (advisor)
The association between intake of dietary macronutrients with prognostic nutritional index (PNI) , controlling nutritional status (CONUT), Maastricht Index (MI) scores and level of glucagon-like peptide-1(GLP-1) in pediatric intensive care unit, . Mofid Children Hospital,2024 (advisor)
- The association between serum levels of citrulline and intestinal fatty acid-binding protein (I-FABP) with intake of energy and dietary macronutrients in pediatric intensive care unit, Mofid Children Hospital,2024 (advisor)
- Evaluation of risk factors of multidrug-resistance bacterial infection and its effects on outcomes of patient in PICU of Imam Hossein hospital and Mofid hospital 2023 (advisor)
- A blinded randomized clinical trial investigating the effectiveness of probiotic prophylaxis in preventing ventilator-induced pneumonia in mechanically ventilated children. Mofid Children Hospital, Shahid Beheshti University of Medical Sciences 2022(supervisor)
- Efficacy and safety of Domperidone compared to placebo in PICU , Mofid Children Hospital, Shahid Beheshti University of Medical Sciences, 2022(supervisor)

- Investigating the effectiveness and safety of low-dose Dexmedetomidine in reduction the use of sedation drugs in PICU, Mofid Children Hospital, Shahid Beheshti University of Medical Sciences, 2023 (advisor)
- Determining the relationship between nutritional status and clinical outcomes and mortality one month after discharge in children with respiratory failure. Mofid Children Hospital, Shahid Beheshti University of Medical Sciences,
2022 • (advisor)
- Investigation of carriers of extended-spectrum β -lactamase-producing Enterobacteriaceae family members in the feces of children admitted to the intensive care unit of Mofid Children's Hospital. Shahid Beheshti University of Medical Sciences 2022 (advisor)

Approved Projects and Proposals

(Indexed in https://isid.research.ac.ir/SeyyedehNarjes_Ahmadizadeh)

- Comparing the quality and acceptance of questions designed by an artificial intelligence chatbot with questions designed by anesthesia professors in terms of test development criteria and acceptance by end users (assistants and professors), Anesthesiology Department , Shahid Beheshti University of Medical Sciences, 2025
- Comparison the role of USCOM) Ultrasound Cardiac Output Monitor) and Venous Excess Ultrasound Score (VEXUS) for the prediction of fluid status in pediatrics hospitalized in the PICU,
Mofid Children's Hospital, 2025
- Comparison of the accuracy of serial lung ultrasonography with the Centers for Disease Control and Prevention criteria in the early probable diagnosis of ventilator-associated pneumonia in the pediatric intensive care unit of Mofid Children's Hospital in 2025

- Study of bacterial and nonbacterial aspiration pneumonia in children hospitalized in Mofid Children Hospital (2025)
- A systematic review on Investigating the role of miRNAs in predicting the occurrence of postoperative delirium, Anesthesiology Department , Shahid Beheshti University of Medical Sciences, 2025
- Setting up Ventilator Associated Events in PICU patients' Registry system in the affiliated hospitals and clinics of Shahid Beheshti University of Medical Sciences,2024
- Evaluation of the sonographic diaphragmatic functional factors and thickness with the weaning success in mechanically ventilated pediatric patients. Mofid Children's Hospital,2024
- Setting up a registration system for acute kidney failure in the pediatric intensive care department of hospitals affiliated to Shahid Beheshti University of Medical Science, 2024
- Effect of Vasopressin vs Norepinephrine on reduce morbidity of vasodilator sock of children, Mofid Children's Hospital,2024
- The Association Between Malnutrition Status and Extubation Success in Pediatric Intensive Care Unit Patients: A Cross-Sectional Study, 2024
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- Comparison of the area under the curve of vancomycin in divided injection of two methods with and without loading dose in children hospitalized in the intensive care unit, Mofid Children's Hospital, Shahid Beheshti University of Medical Sciences ,2022

- Comparison of the area under the serum concentration-time curve of vancomycin in continuous and divided infusion regimens in children hospitalized in the intensive care unit: a randomized controlled clinical trial. Mofid Children's Hospital, Shahid Beheshti University of Medical Sciences, 2023
- Investigation of the blood concentration of voriconazole with a standard dose in children admitted to a children's hospital, . Mofid Children's Hospital, Shahid Beheshti University of Medical Sciences 2020
- Evaluation of renal angina index to predict mortality and kidney damage in pediatric intensive care units. Mofid Children's Hospital, Shahid Beheshti University of Medical Sciences 2020

Grants

- Comparing the effectiveness of Comfort scale with State Behavioral scale in critically ill children under ventilator in pediatric ICU to develop sedation protocol , Mofid Children's Hospital, Shahid Beheshti University of Medical Sciences,2018
- Development and evaluation of a pediatric septic shock registration system Mofid Children's Hospital, Shahid Beheshti University of Medical Sciences,2024

Published articles

Original Articles

- Behzad A, Pournasiri Z, Ghorbani-Khosroshahi N, Ahmadizadeh SN, et al. Ultrasound Cardiac Output Monitoring Compared to the Renal Angina Index for Early Prediction of Pediatric Acute Kidney Injury. *Pediatric Nephrology*. 2026;41(5):1497-1505.
- Shamsi H, Bazrpach M, Ahmadizadeh SN. Barriers and Facilitators of Physiotherapy Practice in Pediatric Intensive Care Units: A Multi-Center Cross-Sectional Descriptive-Analytic Study. *Journal of Clinical Physiotherapy Research*.

2025;10(1):e100. doi:10.22037/jcpr.v10i1.50969. . (Corresponding Author: SN Ahmadizadeh)

- Ahmadizadeh SN, Shabani F, Hashemi SM, Behzad A. Comparative Impact of Closed versus Open Models on Clinical Outcomes and Resource Utilization in the Pediatric Intensive Care Unit at Mofid Hospital. *Journal of Mazandaran University of Medical Sciences*. 2025;35(250):219-225.
- Shabani F, Rabiei R, Ahmadizadeh SN, Behzad A, Rahmatizadeh S, Hashemi SM. Development and Validation of a Minimum Dataset for a Pediatric Septic Shock Registry: A Descriptive and Cross-Sectional Study. *Health Science Reports*. 2025.
- Khanbabaee G, Jafari MM, Behzad A, Ahmadizadeh SN, et al. Efficacy of Inhaled Colistin in Critically Ill Children with Ventilator-Associated Pneumonia Resistant to Multiple Drugs. *Journal of Comprehensive Pediatrics*. 2024.
- Fallah F, Karimi A, Azimi L, Ahmadizadeh SN, et al. The Impact of the COVID-19 Pandemic on Pediatric Bloodstream Infections and Alteration in Antimicrobial Resistance Phenotypes in Gram-Positive Bacteria (2020-2022). *BMC Pediatrics*. 2024.
- Pournasiri Z, Hashemi SM, Ahmadizadeh SN, et al. Acute Renal Failure in the Pediatric Intensive Care Unit: Incidence and Its Effects on Clinical Outcomes. *Iranian Journal of Pediatrics*. 2024.
- Dadashi Y, Shariatpanahi Z, Ahmadizadeh N, Behzad A, et al. Nutritional Status and Clinical Outcomes of Brain Tumor Surgery in Pediatric Intensive Care Unit: A Prospective Cohort Study. *Clinical Nutrition ESPEN*. 2024;61.
- Baran RNS, Mirrahimi B, Najmeddin F, Ahmadizadeh SN, et al. Comparison of the Areas Under the Curve of Vancomycin Continuous vs Intermittent Infusion in Critically Ill Pediatrics: A Randomized Clinical Trial. *Iranian Journal of Pharmaceutical Research*. 2024.
- Pournasiri Z, Bakhtiary M, Nikparast A, Ahmadizadeh SN, et al. The Association Between Nutritional Status Measured by Body Mass Index and Outcomes in the Pediatric Intensive Care Unit. 2024. (Corresponding Author: SN Ahmadizadeh)
- Ahmadizadeh SN, Mahdavi SA, Khanbabaee G, et al. Comparison of the Efficacy of Comfort Scale with State Behavioral Scale in Critically Ill Pediatric Patients Under Mechanical Ventilation for Developing Sedation Protocol and Reducing Ventilator-Associated Pneumonia. *Journal of Cellular and Molecular Anesthesia*. 2024;9(2).
- Amirjani S, Shariatpanahi Z, Ahmadizadeh N, et al. Undernutrition and 60-Day Mortality in Critically Ill Children with Respiratory Failure: A Prospective Cohort Study. *BMC Pediatrics*. 2023;23:271.

- Roshanzamiri S, Alemzadeh M, Ahmadizadeh SN, Behzad A, et al. Probiotic Prophylaxis to Prevent Ventilator-Associated Pneumonia in Children on Mechanical Ventilation: A Randomized Double-Blind Clinical Trial. *Frontiers in Pediatrics*. 2022.
- Armin S, Fahimzad SA, Rafiei Tabatabaei S, Ahmadizadeh SN, et al. COVID-19 Mortality in Children: A Referral Center Experience from Iran. *Canadian Journal of Infectious Diseases and Medical Microbiology*. 2022.
- Saidi H, Ghafouri HB, Aghdam H, Ahmadizadeh N, et al. Validation of Pediatric Index of Mortality 3 in a Single Referral Pediatric Intensive Care Unit in Iran. *Archives of Pediatric Infectious Diseases*. 2021.
- Sadeghi AS, Malekianzadeh B, Ahmadizadeh N, Mahdavi A. Reliability of Visually Estimated Blood Loss with Hemoglobin Measurement: 200 Cases of Craniosynostosis Surgery. *International Journal of Pediatrics*. 2018;6(9):8207-8213.

Systematic Review and Review Articles

- Shamsi H, Nasiri M, Ahmadizadeh SN. Family Presence and Engagement during Physiotherapy in Pediatric Intensive Care Units: A Systematic Review and Critical Evidence Gap Analysis. *European Journal of Pediatrics*. 2026;185:456. . (Corresponding Author: SN Ahmadizadeh)
- Ahmadizadeh SN, Shamsi H, Izadi N, Dabbagh A, Ebrahimi M, Shahrabi M, Shabani F. Artificial Intelligence in Predicting Mortality Risk for Critically Ill Children in Pediatric Intensive Care Units: A Systematic Review. *Health Science Reports*. 2026;9:e72205.
- Shamsi H, Ahmadizadeh SN. Diaphragm Electrical Stimulation and Ultrasound Evaluation: A Narrative Review of Adult Evidence and Pediatrics Research Gap. *Journal of Cellular and Molecular Anesthesia*. 2026;11(1). . (Corresponding Author: SN Ahmadizadeh)
- Rohani P, Alimadadi H, Mirrahimi B, Yaghmaie B, Hashemi SM, Ahmadizadeh SN, et al. Nutrition Section Position Statement and Clinical Practice Recommendations for Children Admitted to Intensive Care Unit. *Iranian Journal of Pediatrics*. 2022.

Case Reports

- Hashemi SM, Behzad A, Ahmadizadeh SN, Khalilian MR, Sadr S, et al. Case Report of an Unusual Presentation of Brain Ischemia and Herniation in a Four-Year-Old Girl with COVID-19 Infection. *Archives of Pediatric Infectious Diseases*. 2026;14(3).
- Pournasiri Z, Hashemi SM, Ahmadizadeh SN, Yaghmaei B, Khalili M, et al. Relapse of Nephrotic Syndrome with Unusual Thromboembolic Event: A Case Report. *Clinical Case Reports*. 2023;11(8).

- Hashemi SM, Esfahanian N, Ahmadizadeh SN, Behzad A, Alemzadeh M, et al. Spontaneous Pneumothorax in a Child with COVID-19. *Archives of Pediatric Infectious Diseases*. 2022.
- Hashemi SM, Behzad A, Ahmadizadeh SN, Shirvani F. A Child with Influenza A and Large Pneumatocele. *Archives of Pediatric Infectious Diseases*. 2022.
- Ahmadizadeh SN, Shirvani F, Hashemi SM, Behzad A, Pournasiri Z, et al. A Child with Multisystem Inflammatory Syndrome in Children, Stroke and Cardiac Insufficiency. *Journal of Comprehensive Pediatrics*. 2021.
- Enayat J, Fallahi M, Mesdaghi M, Sadr S, Ahmadizadeh SN, et al. Chronic Granulomatous Disease with Associated IgG4-Related Disease: A Case Report and Review of the Literature. 2021.

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Medical Education / Academic Development

- Dabbagh A, Ahmadizadeh SN, Behnaz F, et al. Faculty Development Program and the Outcome of Academic Development. *Journal of Iranian Medical Council*.
- Dabbagh A, Abtahi D, Aghamohammadi H, Ahmadizadeh SN, et al. Relationship Between Simulated Patient Scenarios and Role-Playing Method and OSCE Performance in Senior Anesthesiology Residents: A Correlation Assessment Study. *Anesthesiology and Pain Medicine*. 2020.
- Dabbagh A, Ahmadizadeh SN, Asgari S, Fani K, Massoudi N, et al. Attitudes of the Third-Year Clinical Anesthesiology Residents Toward an Independent Clinical Practice Rotation in COVID-19 Pandemic in Iran. *Anesthesiology and Pain Medicine*. 2020.
- Dabbagh A, Ahmadizadeh SN, Behnaz F, Fani K, Ghasemi M, Goharani R, et al. Attitudes of Junior Faculty Members Towards the Role of Faculty Development Programs on Their Scholarly Activities. *Anesthesiology and Pain Medicine*. 2020.

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