

Curriculum Vitae

- Ala"a Akram Al-Howary
- MD
- Consultant Anesthesiologist, King Abdullah University Hospital.
- Associate Professor in Anesthesia, Jordan University of Science & Technology

Ala"A A. Al-Howary, MD

Consultant Anesthesiologist, KAUH-Associate Professor in Anesthesia, JUST

Mobile: +962 791595219

Email: Work: aalhowary@just.edu.jo; Private: alaacom78@yahoo.com

Personal Profile

- **Name:** Ala"A Akram Al-Howary
- **Place of birth:** Irbid, Jordan
- **Date of birth:** 5 /6/ 1978
- **Nationality:** Jordanian
- **Mailing address :** Irbid –Jordan
Mobile: +962 791595219
Email: aaalhowary@just.edu.jo
alaacom78@yahoo.com
- **Language:** Arabaic, English

Education

- 1996 High school education (Tawjihi), Irbid**
- 1996-2002 Bachelor Degree in Medicine and Surgery, Al-Mustansiriya University, Baghdad-Iraq**
- 2004-2008 Master Degree in Anesthesia, Jordan University of Science and Technology**
- 2004-2008 Residency program in Anesthesia, King Abdullah University Hospital**
- 2008 Jordanian Board of Anesthesia**
- 2009-2011 Pediatric Anesthesia Fellowship, IWK Health Centre, Halifax, Nova Scotia, Canada**

Ala"A A. Al-Howary, MD

Consultant Anesthesiologist, KAUH-Associate Professor in Anesthesia, JUST

Mobile: +962 791595219

Email: Work: aaalhowary@just.edu.jo; Private: alaacom78@yahoo.com

Experiences and Workshops

2003-2004 Intern doctor, KAUH, Jordan

2004-2008 Residency program in Anesthesia, King Abdullah University Hospital, Jordan

(I did my residency program in anesthesia in (KAUH), teaching hospital of Jordan University of Science and Technology.

During the four years program I received training as in all aspects of anesthesia for the following surgical specialties. In addition, my service extends outside the operating theatre such as the cardiac catheterization lab, in the magnetic resonance imaging suite, and angiography and interventional radiology lab. During this residency program, I have attained and maintained some skills in dealing with airway problems including awake fibro-optic intubation and in securing vascular access, arterial catheters; central lines and ultra sound guided central line insertion, in addition to spinal anesthesia and epidural Anesthesia and Analgesia. As part of our residency program, there was daily Morning Report for the department and teaching sessions for anesthesia residents)

2007-2008 Reident-in Chief of Anesthesia, King Abdullah University Hospital, Jordan

2009-2011 Fellowship in the Pediatric Anestheisa, IWK Health Centre, Halifax, Nova Scotia, Canada

(I spent two years as a fellow in the department of pediatric anesthesia at the IWK Health Centre from April 2009 to march 2011, during that time I received formal training in all aspects of pediatric anesthesia, including anesthesia for pediatric cardiac surgery. In addition, I was involved in providing sedation and anesthesia outside the operating theatre in the cardiac catheterization lab, MRI and the wards to provide brief anesthetics/sedation for painful procedures such as lumbar punctures, bone marrow aspirations, and burn dressings. In the second year of my fellowship-training program, I was regularly scheduled to work in the pain clinic for children with chronic pain once a week. I also spent two months rotation in the pediatric intensive care unit (PICU). During this fellowship program, I developed fine practical skills in managing difficult airway, securing vascular access, arterial catheters and central lines in neonates/infants. I regularly attended teaching sessions for anesthesia residents and fellows and actively participated by presenting topics in pediatric anesthesia. And as a regular department member I was involved in pediatric anesthesia department monthly Morbidity and Mortality reviews and case rounds.)

Ala"A A. Al-Howary, MD

Consultant Anesthesiologist, KAUH-Associate Professor in Anesthesia, JUST

Mobile: +962 791595219

Email: Work: aaalhowary@just.edu.jo; Private: alaacom78@yahoo.com

2011- 2021 Assistant Professor in Anesthesia, Jordan University of Science and Technology, Irbid, Jordan

2021-now Associate Professor in Anesthesia, Jordan University of Science and Technology, Irbid, Jordan

2011-now Anesthesia Consultatnt at King Abdullah University Hospital, Irbid, Jordan

2024- now Member of Jordanian Board of Pediatric Anesthesia committe

Publications

1. Bani Hani DA, Altal OF, Bataineh A, Al Athamneh M, Altarawneh M, Alshawaqfeh M, Haddouchane H, Al-Zyoud SM, Hamarsheh M, **Alhowary AAA**. The influence of anesthesia type on perioperative maternal glycemic-stress response during elective cesarean section: A prospective cohort study. *Ann Med Surg (Lond)*. 2021 Mar 4;64:102209. doi: 10.1016/j.amsu.2021.102209. PMID: 33747501; PMCID: PMC7970269.
2. Bani Hani D, Altal O, Aleshawi A, **Alhowary AA**, Obeidat B. Expanding access for COVID-19 patients by transforming a burn unit into a closed-circuit unit for surgical patients: experience from an academic medical center in Jordan. *Patient Saf Surg*. 2020 Jun 5;14:25. doi: 10.1186/s13037-020-00251-9. PMID: 32514313; PMCID: PMC7274061.
3. Bani-Ata M, Alzoubi F, Abuzayed B, **Alhowary AAA**, Aleshawi AJ. Chronic rhinosinusitis due to cyano-acrylic glue after endoscopic transsphenoidal pituitary surgery. *BMC Surg*. 2020 Sep 16;20(1):205. doi: 10.1186/s12893-020-00866-w. PMID: 32938449; PMCID: PMC7493361..
4. Altal O, Bani Hani D, Aleshawi A, **Alhowary AA**, Obeidat B, Bani-Ata M. Preparing the Burns Unit to Accommodate Vaginal Delivery and Cesarean Section for Pregnant Women with COVID-19: A Successful Experience from Jordan. *Adv Ther*. 2020 Oct;37(10):4049-4053. doi: 10.1007/s12325-020-01457-0. Epub 2020 Aug 27. PMID: 32852673; PMCID: PMC7450677.
5. Bani-Ata M, Aleshawi A, Alali M, Kanaan Y, Al-Momani W, Kanaan N, Abdalla K, **Alhowary A**. Familial and Environmental Risk Predisposition in Tonsillectomy: A Case-Control Study. *Risk Manag Healthc Policy*. 2020 Jul 21;13:847-853. doi: 10.2147/RMHP.S258748. PMID: 32801960; PMCID: PMC7382756.
6. A.M. Sindiani, H. M. Rawashdeh, E.H. Alshdaifat, O.F. Altal, H. Yaseen, **A.A. Alhowary**. The association between repeated doses of vaginal PGE2 (Dinoprostone, Prostin®) and both maternal and neonatal outcomes among women in the north of Jordan. *Clin. Exp. Obstet. Gynecol.* - ISSN: 0390-6663 XLVII, n. 3, 2020 doi: 10.31083/j.ceog.2020.03.5322

Ala" A A. Al-Howary, MD

Consultant Anesthesiologist, KAUH-Associate Professor in Anesthesia, JUST

Mobile: +962 791595219

Email: Work: aaalhowary@just.edu.jo; Private: alaacom78@yahoo.com

7. Sindiani A, Rawashdeh H, Obeidat N, Zayed F, **Alhowary AAA**. Factors that influenced pregnant women with one previous caesarean section regarding their mode of delivery. *Ann Med Surg (Lond)*. 2020 May 18;55:124-130. doi: 10.1016/j.amsu.2020.05.007. PMID: 32477510; PMCID: PMC7251298.
8. El-Radaideh K, Al-Qudah M, Alali M, **Alhowary AA**. Anesthesia During Functional Endoscopic Sinus Surgery for Kartagener's Syndrome: A Case Report and Literature Review. *Int J Gen Med*. 2020 May 1;13:157-161. doi: 10.2147/IJGM.S251060. PMID: 32431532; PMCID: PMC7203035.
9. Bani-Ata M, Aleshawi A, Ahmad M, Saleh O, Ashour R, Khalil H, Alomari S, **Alhowary AAA**. Endoscopic dacryocystorhinostomy: A comparison of double-flap and single-flap techniques. *Ann Med Surg (Lond)*. 2020 Apr 8;54:1-5. doi: 10.1016/j.amsu.2020.03.005. PMID: 32300477; PMCID: PMC7153027.
10. Bani Hani DA, Aleshawi AJ, Al Shalakhti MH, **Alhowary A**, Al-Jararahih O, Al-Mistarehi AH, Yassin A. Spinal versus General Anesthesia for Patients with Parkinson's Disease. *Int J Gen Med*. 2020 Jan 30;13:9-15. doi: 10.2147/IJGM.S232770. PMID: 32099445; PMCID: PMC6996615.
11. Bani Hani DA, Alawneh KZ, Aleshawi AJ, Ahmad AI, Raffee LA, **Alhowary AAA**, AlQawasmeh M, Abuzayed B. Successful and Complete Recovery of the Ulnar Nerve After Eight Years of Chronic Injury Through Local Steroid Injections: A Case Report. *Pain Ther*. 2020 Jun;9(1):327-332. doi: 10.1007/s40122-019-00144-5. Epub 2020 Jan 3. PMID: 31900814; PMCID: PMC7203399.
12. **Alhowary AA**, Aleshawi A, Alali O, Kassab M, Bani Hani D, El-Radaideh K, Alzoubi F. Effect of Depth of Total Intravenous General Anesthesia on Intraoperative Electrically Evoked Compound Action Potentials in Cochlear Implantation Surgery. *Anesthesiol Res Pract*. 2019 Dec 1;2019:6838506. doi: 10.1155/2019/6838506. PMID: 31885553; PMCID: PMC6914979.
13. Kassab M, Almomani B, Nuseir K, **Alhouary AA**. Efficacy of Sucrose in Reducing Pain during Immunization among 10- to 18-Month-Old Infants and Young Children: A Randomized Controlled Trial. *J Pediatr Nurs*. 2020 Jan-Feb;50:e55-e61. doi: 10.1016/j.pedn.2019.11.010. Epub 2019 Dec 23. PMID: 31870702.
14. Altal OF, Aleshawi AJ, Tashtush NA, **Alhowary A**. A 23-Year-Old Jordanian Woman with a Desmoplastic Small Round Cell Tumor Involving the Ovary. *Am J Case Rep*. 2019 Nov 14;20:1675-1678. doi: 10.12659/AJCR.919488. PMID: 31723117; PMCID: PMC6870755.
15. El-Radaideh K, **Alhowary AA**, Alsawalmeh M, Abokmael A, Odat H, Sindiani A. Effect of Spinal Anesthesia versus General Anesthesia on Blood Glucose Concentration in Patients Undergoing Elective Cesarean Section Surgery: A Prospective Comparative Study. *Anesthesiol Res Pract*. 2019 Oct 1;2019:7585043. doi: 10.1155/2019/7585043. PMID: 31662744; PMCID: PMC6791279.
16. Al Omari A, Nuseir A, Ata MB, Khasawneh L, **Alhowary AA**, Alzoubi F. Accuracy of intraoperative electrophysiological testing in confirming correct cochlear implant

Ala" A A. Al-Howary, MD

Consultant Anesthesiologist, KAUH-Associate Professor in Anesthesia, JUST

Mobile: +962 791595219

Email: Work: aaalhowary@just.edu.jo; Private: alaacom78@yahoo.com

- electrode positions. *Cochlear Implants Int.* 2019 Nov;20(6):324-330. doi: 10.1080/14670100.2019.1656904. Epub 2019 Aug 29. PMID: 31464178.
17. **Alhowary, A.**, Odat, H., Alali, O. et al. Intraoperative angioedema induced by angiotensin II receptor blocker: a case report. *Patient Saf Surg* 12, 27 (2018).
 18. **Alhowary AA**, El-Radaideh K, Al-Rusan A, Hani DB, Khraise W, Al Omari A, Alzoubi F. Effect of total intravenous vs volatile anesthetics on intraoperatively acquired electrically evoked compound action potential in children undergoing cochlear implant surgery: A randomized prospective study. *J Clin Anesth.* 2017 Feb;36:80-83. doi: 10.1016/j.jclinane.2016.10.008. Epub 2016 Nov 30. PMID: 28183580.
 19. El-Radaideh K, **Alhowary AA**, Bani Hani D. Comparison of the Disposable Streamlined Liner of the Pharynx Airway and the Disposable I-gel in Anaesthetized, Paralyzed Adults: A Randomized Prospective Study. *Anesthesiol Res Pract.* 2015;2015:971059. doi: 10.1155/2015/971059. Epub 2015 Dec 1. PMID: 26697064; PMCID: PMC4678238.
 20. Alhowary AA, Gharaibeh S, Aleshawi A. Successful Management of Incidentally-Detected Subclavian Stenosis During Anesthetic Preparation for Spinal Surgery: A Case Report. *Int Med Case Rep J.* 2025 Jun 12;18:699-704. doi: 10.2147/IMCRJ.S515664
 21. Alhowary AA, Altal O, Bani Hani D, Alrusan A, Ba Jusair YS, Al-Bataineh R, Al Sharie A, Aleshawi A. The Maternal and Neonatal Glycemic Stress Response in Normal Vaginal Delivery: A Comparative Study Between Epidural and Parenteral Opioids Analgesia. *Local Reg Anesth.* 2024 Dec 31;17:117-127
 22. Hani DAB, Altal OF, Alhowary AAA, Alrusan A, Al-Bataineh R, Tahir K, Shloul S, Issa M, Sharie AA. The Perioperative Neonatal and Maternal Glycemic Response and APGAR Score During Elective Cesarean Section: Factors and Anesthetic Management. *Med Arch.* 2025;79(1):34-40.
 23. Alrusan A, Al-Bataineh R, Alhowary AA, Rawabdeh SA, Al Hazaymeh M, Elhammdan M, Al-Ali A, Alhaj Omer S, Matalkeh O, Shloul S, Obeidat LE, Bataineh LN, Bani Hani D. Assessment of Knowledge and Attitudes Regarding Acute Pediatric Pain Management Among Anesthesiologists, Pediatricians, and Pediatric Nurses: A Cross-Sectional Study from Jordan. *Healthcare (Basel).* 2025 Oct 13;13(20):2570
 24. Alrusan A, Essa SB, Alhowary AA, Hani DB, Hazaymeh MA, Alradaideh M, Alameri H, Younes AB, Al-Badarnah N, Alradaideh S. The Analgesic Effect of Nefopam in Patients Undergoing Orthopedics Surgery with Tourniquet: a Double-blind Case-control Trial. *Med Arch.* 2025;79(3):205-210
 25. Bani Hani D, Alhowary AA, Gharaibeh S, Al-Zoubi R. Successful Anesthetic Management of Patient with Severe Scoliosis Due to Cerebral Palsy Who Underwent Dental Surgery. *Int Med Case Rep J.* 2025 Nov 6;18:1423-1427.
 26. Al Hazaymeh M, Tahir KH, Hulliel A, Alrusan A, Bani Hani D. Intraoperative Ventilation Failure Due to a Fenestrated Tracheostomy Tube in a Three-Month-Old Infant with a Laryngeal Mass: A Case Report and Literature Review. *Int Med Case Rep J.* 2026 Apr 23;19:598746

Ala" A A. Al-Howary, MD

Consultant Anesthesiologist, KAUH-Associate Professor in Anesthesia, JUST

Mobile: +962 791595219

Email: Work: aaalhowary@just.edu.jo; Private: alaacom78@yahoo.com

27. Bani Hani, D.; Altal, O.F.; Hulliel, A.F.; Ahmed, T.; Alrusan, A.; Al Hazaymeh, M.; Albusta, F.; Haweeleh, T.; Alhowary, A. Maternal Salivary Glutamate Concentrations in Cesarean Delivery: A Prospective Comparison Between Spinal and General Anesthesia. *Life* 2026, 16, 748
28. Alhowary AA, Altal O, Bani Hani D, Alrusan A, Hulliel AF, Jadallah RK, Alshaykh R, Dabash TY, Al Sharie AH, Al Hazaymeh M. Salivary Substance P Levels During Cesarean Section Under Spinal versus General Anesthesia: A Prospective Study. *J Pain Res.* 2026 Apr 30;19:584688\
29. Al Hazaymeh M, Altal OF, Hulliel AF, Jadallah RK, Al Sharie AH, Saleh D, Giabatti Z, Hazaymeh O, Al-Issa A, Alrusan A, et al. Maternal Salivary Glutamate in Women Undergoing Vaginal Delivery: A Comparison Between Epidural Labor Analgesia and Systemic Morphine Analgesia. *Life.* 2026; 16(7):1085.

Conferences

- Al-Howary, A. Hackmann, T., Chorney, J. (April 2010).

Emergence Delirium after anesthesia in children (quality assurance project that studied the occurrence of emergence agitation in children and looked for contributing factors.). Presented at Dalhousie Anesthesia Department Research Day in April 2010

Ala" A A. Al-Howary, MD

Consultant Anesthesiologist, KAUH-Associate Professor in Anesthesia, JUST

Mobile: +962 791595219

Email: Work: aaalhowary@just.edu.jo; Private: alaacom78@yahoo.com

Refereneces

Khaled El-Radaideh, MD, FACHARZT.

Professor and Head of anesthesia Department Faculty of medicine

Jordan University of science and technology, Irbid-Jordan

Mobile: (00962) (0)799051167

E-mail: kmelradaideh@just.edu.jo

Kais Alwattar, FRSC (ED) FRSC (ENG) FRSC (Glasgow) member of BAPS

Professor of Pediatric Surgery

Department of General and Pediatric Surgery

Faculty of medicine

Jordan University of Science and Technology

Irbid-Jordan

Mobile: (00962) (0)799051382

E-mail: kais-alwattar@hotmail.com

Allen Finley MD, FRCPC, FAAP

Professor of Anesthesia and Psychology, Dalhousie University

Medical Director, Pediatric pain service, IWK Health Centre

Halifax- Canada

Phone: 902.470.7708

Fax: 902.470.7709

E-mail: allen.finley@dal.ca

Ala"A A. Al-Howary, MD

Consultant Anesthesiologist, KAUH-Associate Professor in Anesthesia, JUST

Mobile: +962 791595219

Email: Work: aaalhowary@just.edu.jo; Private: alaacom78@yahoo.com

Website: <http://pediatric-pain.ca/>

Ala"A A. Al-Howary, MD

Consultant Anesthesiologist, KAUH-Associate Professor in Anesthesia, JUST

Mobile: +962 791595219

Email: Work: aalhowary@just.edu.jo; Private: alaacom78@yahoo.com