# LIST OF PUBLICATIONS

*Note: Studies appearing in the Pediatric, ICU, and Awake Patient sections are also included in the main Clinical Studies section below.*

*Updated July 2026*

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**Clinical Studies**


1. Buis HT, Berger-Estilita J, Zirngast S, Ranner P, Piskor T, Marcolino I. Nociception-guided opioid administration within multimodal analgesia for laparoscopic endometriosis surgery: a randomized controlled trial. J Clin Monit Comput. 2026. doi:10.1007/s10877-026-01459-3
2. Vasdev N, Isherwood L, Feyissa M, et al. Using an artificial intelligence-based device to investigate pain outcomes in robotic prostatectomy at low pressure pneumoperitoneum: The RALP clinical trial. BJUI Compass. 2026. doi:10.1002/bco2.70226
3. Shahiri S, Richebé P, Martel MO, Lavoie P, Gélinas C. Nociception and pain assessment during suctioning procedures in mechanically ventilated patients in the intensive care unit: a validation study of the Nociception Level index (NOL™). Can J Pain. 2026;10(1). doi:10.1080/24740527.2025.2561576
4. Grach M, Bazhenov A, Grach I, Attar E, Schwartz N, Goldik Z, Eden A. Assessment of nociception in obstetric patients during epidural analgesia. J Obstet Anaesth Crit Care. 2026;16(1). doi:10.4103/joac.joac_5_26
5. Khalaila A, Hasan M, Berkovich Y, et al. Intraoperative nociception monitoring using the NoL index: phase-specific assessment of nociceptive responses during spinal surgery. J Clin Med. 2025;14(24):8960. doi:10.3390/jcm14248960
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9. Dziodzio T, Jurth C, Schmid JC, et al. Utility of the nociception level index to monitor intraoperative nociception and predict acute postoperative pain in thoracic surgery. J Clin Monit Comput. 2025. doi:10.1007/s10877-025-01270-w

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14. Gélinas C, Shahiri T S, Wang HT, et al. Validation of the nociception level index for the detection of nociception and pain in critically ill adults: protocol for an observational study. JMIR Res Protoc. 2025;14:e60672. doi:10.2196/60672

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**Pediatric Studies**

1. Julien-Marsollier F, Maroun Y, Tournier E, Bezia D, Dahmani S. Evaluation of the nociception level index (NOL) for intraoperative analgesia monitoring in pediatrics. Paediatr Anaesth. 2025.

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3. Chemam S, Cailliau E, Bert D, Tavernier B, Constant I, Sabourdin N. Nociception level response to calibrated stimulations in children: first assessment of the nociception level index in pediatric anesthesia. Anaesth Crit Care Pain Med. 2023. doi:10.1016/j.accpm.2023.000152

4. Klein Tank C, Himantono N, van Uitert A, Malagon I. Evaluation of the nociception level index in the pediatric population: an observational feasibility study. Paediatr Anaesth. 2023. doi:10.1111/pan.14536

5. Ozdemir C, Isik B, Kurtipek O. Analgesic efficacy of erector spinae plane block in pediatric abdominal surgery: guidance with conventional method and NOL: case series. Niger J Clin Pract. 2023.

**ICU Studies**

1. Shahiri S, Richebé P, Martel MO, Lavoie P, Gélinas C. Nociception and pain assessment during suctioning procedures in mechanically ventilated patients in the intensive care unit: a validation study of the Nociception Level index (NOL™). Can J Pain. 2026;10(1). doi:10.1080/24740527.2025.2561576
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10. Gélinas C, Shahiri TS, Richard-Lalonde M, et al. Exploration of a multi-parameter technology for pain assessment in postoperative patients after cardiac surgery in the intensive care unit: the nociception level index (NOL)™. J Pain Res. 2021. doi:10.2147/JPR.S338567
11. Shahiri TS, Richard-Lalonde M, Richebé P, Gélinas C. Exploration of the nociception level (NOL™) index for pain assessment during endotracheal suctioning in mechanically ventilated patients in the intensive care unit: an observational and feasibility study. Pain Manag Nurs. 2020. doi:10.1016/j.pmn.2020.030082

**Awake Patients**

1. Umar I, Tenenbaum A, Tzour A, Khalaia A, Grach M. Nociception level index as a tool of measuring pain objectively in patients with complex regional pain syndrome: a feasibility study. Front Pain Res. 2025;6:1669794. doi:10.3389/fpain.2025.1669794
2. Grach M, Bazhenov A, Grach I, Attar E, Schwartz N, Goldik Z, Eden A. Assessment of nociception in obstetric patients during epidural analgesia. J Obstet Anaesth Crit Care. 2026;16(1). doi:10.4103/joac.joac_5_26
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**Case Reports**

1. Garcia AS, Triano BM. Opioid-free anesthesia in coronary revascularization surgery monitoring with Nol®: a case report. Ann Clin Med Case Rep. 2024.
2. Vailati D, Bonvecchio E, Secco G, Magistro C, Basta B. Neuraxial anesthesia for combined left nephrectomy and left hemicolectomy in a one-lung patient. Cureus. 2024. doi:10.7759/cureus.249935
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**Letters to the Editor**

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