

Mehdi Rezaee

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Assistant professor of anesthesia, critical care and pain medicine

H- index 6 , Citations : 100

(Articles : 12, Patents : 5, Books: 2 , Proposal Supervisor : 2 , Proposal Advisor: 4, Dissertations: 2)

- Research in fields of anesthesia, critical care, and pain, cardiovascular and metabolic diseases. The main focus on anesthesiology and pain medicine and novel Anesthesia devices.
- Participate in data gathering, entry, analysis, scientific writing, and revising the manuscripts.
- Experience in data analysis (with SPSS and STATA), scientific writing, and revising the manuscripts. Also, experience in patent registry.

Education

- Doctor of medicine (M.D), Tehran University of Medical Sciences.
- Master of Public Health (MPH), Tehran University of Medical Sciences.
- Board certified Anesthesiologist, Tehran University of Medical Sciences.
- **Honors:** Ranked 10th among over 3,000 participants in Medical Universities Basic Sciences Exam in 2006, High Rank in Anesthesiology Board Exam (upper 5th percentile) in 2018.
- **Rewards**

Experience

2011-2012: Endocrinology and Metabolism Research Center (EMRC), Vali-Asr Hospital, School of Medicine, Tehran University of Medical Sciences, PO Box 13145-784, Tehran, Iran

2017-2020: Department of Pharmacology, Tehran University of Medical Sciences, Tehran, IR Iran

Since 2018-2023: Assistant Professor of Anaesthesiology, Anesthesia Department, Alborz University of Medical Sciences, Karaj, Iran

Patent Highlights

1.Rezaee Mehdi, ENDOTRACHEAL TUBE WITH STERILITY ENHANCEMENT COATING, Publication number WO/2021/095062 , International application number PCT/IR2020/050043, International filing date 28.11.2020, World Intellectual Property Organization, Publication date 20.05.2021 <https://patentscope.wipo.int/search/en/detail.jsf;jsessionid=A63464FBBBC8029D51EF59C395DC1F175.wapp1nC?docId=WO2021095062&tab=PCTBIBLIO>

2. Rezaee Mehdi, Surgical hemo-vac drain with epidural drug delivery system, Publication number WO2021161116 , International application number PCT/IB/2021/050441, International filing date 21.01.2021,

World Intellectual Property Organization, Publication date 19.08.2021
<https://patentscope.wipo.int/search/en/detail.jsf?docId=WO2021161116>

3. Rezaee Mehdi, OROPHARYNGEAL AIRWAY WITH CUFFED ESOPHAGEAL TUBE, Publication number WO/2022/175989, International application number PCT/IR2022/050011, International filing date 27.02.2022, World Intellectual Property Organization, Publication date 25.08.2022.

4. Mehdi Rezaee, ENDOTRACHEAL TUBE WITH SLIDING CUFF, PCT/IB2022058255, To be published on April 2023 according to WIPO timeline

5. Mehdi Rezaee, ENDOTRACHEAL TUBE WITH INTERIOR MULTILAYERED SCAVANGING SHEATH , PCT/IB2022/061744, To be published on April 2023 according to WIPO timeline

Link to published patents : <https://patents.google.com/?q=Mehdirezaee&oq=Mehdirezaee>

Research Highlights:

1. Fadaei S, Zarepour F, Parvaresh M, Motamedzadeh A, Tamehri Zadeh SS, Sheida A, Shabani M, Hamblin MR, Rezaee M, Zarei M and Mirzaei H (2022) Epigenetic regulation in myocardial infarction: Non-coding RNAs and exosomal non-coding RNAs. Front. Cardiovasc. Med. 9:1014961. doi: 10.3389/fcvm.2022.1014961

2. Rezaee M, Soltani ZE, Elahi M, Badripour A, Firoozabadi MD. Comparison of Sedative Effects of Two Dose of Oral Ketamine in Pediatric who Undergoing Eye Examination. Ann Anesth Pain Med. 2021;

4(2): 1023. <https://meddocsonline.org/annals-of-anesthesia-and-pain-medicine-press.html#x>

3. Mehdi Rezaee, Zahra Ebrahim Soltani, Alireza Takzare, Abolfazl Badripour, et al. Effect of Paracetamol on postoperative pain in children undergoing strabismus surgery under Desflurane anesthesia. Perioperative Care and Operating Room Management. 2021 ; 24: 100196
<https://www.sciencedirect.com/science/article/abs/pii/S240560302100042X>

4. Shakiba S, Rezaee M, Afshari K, Kazemi K, Sharifi KA, Haddadi NS, Haj-Mirzaian A, Kamalian A, Jazaeri SZ, Richter K, Dehpour AR (2019) Evaluation of the pharmacological involvement of ATP-sensitive potassium (KATP) channels in the antidepressant-like effects of topiramate on mice. Naunyn Schmiedeberg's Arch Pharmacol 392:833–842. <https://doi.org/10.1007/s00210-019-01636-z>

5. Aida Borzabadi, Banafsheh Mashak, Seyyed Mohsen Pouryaghobi, Mehdi Rezaee, et al. Evaluation of the Effects of Magnesium Sulfate on Prevention of Post-dural-Puncture Headache in Elective Cesarean in Kamali Hospital. Electronic Journal of General Medicine. 2020; 17(3).
<https://www.scopus.com/inward/record.uri?eid=2-s2....>

6. Banafsheh Mashak, Fatemeh Moradi, Seyyed Mohsen Pouryaghobi, Mehdi Rezaee, et al. comparison of the effect of intravenous epinephrine and ephedrine in the management of hypotension and bradycardia during cesarean section under spinal anesthesia in Kamali Hospital. *Archivos Venezolanos de Farmacologia y Terapéutica*. 2021; 40(2). <https://zenodo.org/record/4710978>
7. Arvin Haj-Mirzaian, Rajan Nikbakhsh, Kiana Ramezanzadeh, Mehdi Rezaee, Hossein Amini-Khoei, Arya Haj-Mirzaian, Maria Ghesmati, Khashayar Afshari, Nazgol-Sadat Haddadi, Ahmad Reza Dehpour, Involvement of opioid system in behavioral despair induced by social isolation stress in mice, *Biomedicine & Pharmacotherapy*, Volume 109, 2019, Pages 938-944, ISSN 0753-3322, <https://doi.org/10.1016/j.biopha.2018.10.144>.
8. Ali Kord Valeshabad, Omid Nabavian, Keramat Nourijelyani, Hadi Kord, Hossein Vafainejad, Reza Kord Valeshabad, Ali Reza Feili, Mehdi Rezaei, Hamed Darabi, Mohammad Koohkan, Poorya Golbinimofrad, Samira Jafari, "Attenuation of Hemodynamic Responses to Laryngoscopy and Tracheal Intubation: Propacetamol versus Lidocaine—A Randomized Clinical Trial", *Anesthesiology Research and Practice*, vol. 2014, Article ID 170247, 6 pages, 2014. <https://doi.org/10.1155/2014/170247>
9. Alireza Esteghamati, Afsaneh Morteza, Ali Zandieh, Samira Jafari, Mehdi Rezaee, et al. The Value of Visfatin in the Prediction of Metabolic Syndrome: A Multi-Factorial Analysis. *J. of Cardiovasc. Trans. Res.* 5, 541–546 (2012). <https://doi.org/10.1007/s12265-012-9373-8>
10. Erfani Y, Rasti A, Rezaee M, Jafari S. Comparison of Iranian disc diffusion agar and epsilometer test (E-test) accuracy, in antibiotic susceptibility of *Escherichia coli* isolated from patients with urinary tract infection. *African Journal of Microbiology Research* 2012; 6: 3571-3. <https://doi.org/10.5897/AJMR11.1086>
11. Changes in importance of predictors for in-hospital COVID-19 mortality over the course of one month, **UNDER SUBMISSION**
12. The Association of Transmembrane Glycoprotein CD44 Expression with the Tumor Invasion in Patients with Esophageal Squamous Cell Carcinoma, **UNDER SUBMISSION**

Chapter Highlights:

1. Sadri Nahand J, Salmaninejad A, Mollazadeh S, Tamehri Zadeh SS, Rezaee M, Sheida AH, Sadoughi F, Dana PM, Rafiyan M, Zamani M, Taghavi SP, Dashti F, Mirazimi SMA, Bannazadeh Baghi H, Moghoofei M, Karimzadeh M, Vosough M, Mirzaei H. Virus, Exosome, and MicroRNA: New Insights into Autophagy. *Adv Exp Med Biol*. 2022 Jul 4. doi: 10.1007/5584_2022_715. Epub ahead of print. PMID: 35781219.

Link: <https://www.frontiersin.org/articles/10.3389/fcvm.2022.1014961/full>

۲. دستنامه کاپنوگرافی: مراقبت بحرانی تنفسی، شماره شابک: ۹۷۸-۶۰۰-۹۹۲۱-۶۳-۸، سال چاپ: اول ۹۹

Proposal Highlights:

- 1.

الکتیو سزارین از بعد خونریزی و درد کاهش در روتین های روش با مقایسه در رکتال توسین اکسی شیاف تاثیر الیرز ۱۴۰۱/۲/۳۱
تصادفی بالینی کار آزمایی -

۱ عطایی زهرا نژاد هاشم مریم رضایی مهدی مشاک بنفشه خانی زکی مهدی

2.

بیماران در ارتوپدی جراحی اعمال از پس لرز بر میدازولام و دگزامتازون با مپریدین وریدی تزریق تاثیر مقایسه البرز ۱۴۰۰/۱۰/۱۲
کرج مدنی شهید بیمارستان در عمومی بیهوشی تحت

۲ رضایی مهدی پوریعقوبی سیدمحسن چراغعلی مریم

3.

تزریق قابلیت با جراحی هموواک درن و اپیدورال کاتتر توسط عمل از بعد اپیدورال دردی بی کیفیت مقایسه البرز ۱۴۰۰/۹/۱۵
(بالینی کار آزمایی) کرج مدنی شهید بیمارستان در خلفی لومبار جراحی اعمال در اپیدورال داروی

۳ باقری برادران علی مالکی حسین کمانگر محمد رضایی مهدی حجاری فاطمه

4.

جراحی عمل از پس لرز بروز از پیشگیری در وریدی آمینوفیلین دوز تک تزریق پروفیلاکتیک اثر بررسی البرز ۱۴۰۰/۸/۱۱
نخاعی حسی بی تحت تحتانی اندام اورتوپدی

رضایی مهدی رستاد حدیث مشاک بنفشه آبادی دولت مهتاب

Affiliations

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