

# Anti-inflammatory properties of anesthetic agents

Critical Care

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Citation Report

#	ARTICLE	IF	CITATIONS
1	New anesthetic considerations in thoracic surgery. Revista Española De Anestesiología Y Reanimación (English Edition), 2018, 65, 125-128.	0.1	0
2	Hypothesis: Fever control, a niche for alpha-2 agonists in the setting of septic shock and severe acute respiratory distress syndrome?. Temperature, 2018, 5, 224-256.	3.0	11
3	Nuevas consideraciones anestésicas en cirugía torácica. Revista Española De Anestesiología Y Reanimación, 2018, 65, 125-128.	0.3	0
4	Perioperative management of obese patient. Current Opinion in Critical Care, 2018, 24, 560-567.	3.2	49
5	Tumor Pre-Analytics in Molecular Pathology: Impact on Protein Expression and Analysis. Current Pathobiology Reports, 2018, 6, 265-274.	3.4	18
6	The effect of ketamine on delirium and opioid-induced hyperalgesia in the Intensive Care Unit. Anaesthesia, Critical Care & Pain Medicine, 2018, 37, 525-527.	1.4	2
7	A bronchoprotective role for Rgs2 in a murine model of lipopolysaccharide-induced airways inflammation. Allergy, Asthma and Clinical Immunology, 2018, 14, 40.	2.0	20
8	The Significance of Interleukin-6 in the Early Detection of Surgical Site Infections after Definitive Operation for Gastrointestinal Fistulae. Surgical Infections, 2018, 19, 523-528.	1.4	6
9	Delivery systems of local anesthetics in bone surgery: are they efficient and safe?. Drug Discovery Today, 2018, 23, 1897-1903.	6.4	1
10	Increased Plasma Levels of Danger-Associated Molecular Patterns Are Associated With Immune Suppression and Postoperative Infections in Patients Undergoing Cytoreductive Surgery and Hyperthermic Intraperitoneal Chemotherapy. Frontiers in Immunology, 2018, 9, 663.	4.8	35
11	Inhaled Isoflurane for Life-Threatening Bronchospasm in Children. Pediatric, Allergy, Immunology, and Pulmonology, 2018, 31, 110-115.	0.8	1
12	Bone healing response in cyclically loaded implants: Comparing zero, one, and two loading sessions per day. Journal of the Mechanical Behavior of Biomedical Materials, 2018, 85, 152-161.	3.1	6
13	The cholinergic anti-inflammatory pathway in resistant hypertension treated with renal denervation. Molecular Medicine, 2019, 25, 39.	4.4	10
14	The role of regional anesthesia in the propagation of cancer: A comprehensive review. Bailliere's Best Practice and Research in Clinical Anaesthesiology, 2019, 33, 507-522.	4.0	8
15	Enhanced Recovery After Surgery (ERAS) in the Oncologic Patient. , 2019, , 1-32.		0
16	General anesthesia might be associated with early periprosthetic joint infection: an observational study of 3,909 arthroplasties. Monthly Notices of the Royal Astronomical Society: Letters, 2019, 90, 554-558.	3.3	17
17	Impact of general anaesthesia on endoplasmic reticulum stress: propofol vs. isoflurane. International Journal of Medical Sciences, 2019, 16, 1287-1294.	2.5	9
18	Effect of interscalene nerve block on the inflammatory response in shoulder surgery: a randomized trial. Journal of Shoulder and Elbow Surgery, 2019, 28, e291-e303.	2.6	6

#	ARTICLE	IF	CITATIONS
19	Intravital imaging of immune cells and their interactions with other cell types in the spinal cord: Experiments with multicolored moving cells. <i>Experimental Neurology</i> , 2019, 320, 112972.	4.1	3
20	Intraoperative immunomodulatory effects of sevoflurane versus total intravenous anesthesia with propofol in bariatric surgery (the OBESITA trial): study protocol for a randomized controlled pilot trial. <i>Trials</i> , 2019, 20, 300.	1.6	4
21	Pathogenesis of Respiratory Syncytial Virus Infection in BALB/c Mice Differs Between Intratracheal and Intranasal Inoculation. <i>Viruses</i> , 2019, 11, 508.	3.3	3
22	Perioperative Neurocognitive Disorder Mitigation Strategies. , 2019, , 190-198.		0
23	Involvement of leukotriene pathway in the development of sevoflurane-induced pica in rats. <i>Canadian Journal of Physiology and Pharmacology</i> , 2019, 97, 436-439.	1.4	1
24	The effect of dexmedetomidine and clonidine on the inflammatory response in critical illness: a systematic review of animal and human studies. <i>Critical Care</i> , 2019, 23, 402.	5.8	42
25	Analgesic effectiveness of rectus sheath block during open gastrectomy. <i>Medicine (United States)</i> , 2019, 98, e15159.	1.0	24
26	Volatile Anesthetic Attenuates Phagocyte Function and Worsens Bacterial Loads in Wounds. <i>Journal of Surgical Research</i> , 2019, 233, 323-330.	1.6	17
27	The effect of anesthesia on the postoperative systemic inflammatory response in patients undergoing surgery: A systematic review and meta-analysis. <i>Surgery Open Science</i> , 2020, 2, 1-21.	1.2	31
28	Basic pharmacology of local anaesthetics. <i>BJA Education</i> , 2020, 20, 34-41.	1.4	78
29	Successful and Complete Recovery of the Ulnar Nerve After Eight Years of Chronic Injury Through Local Steroid Injections: A Case Report. <i>Pain and Therapy</i> , 2020, 9, 327-332.	3.2	2
30	Anaesthesia, analgesia, and the surgical stress response. <i>BJA Education</i> , 2020, 20, 321-328.	1.4	57
31	The efficacy of steroids in reducing morbidity and mortality from extreme hyperthermia and heatstroke—A systematic review. <i>Pharmacology Research and Perspectives</i> , 2020, 8, e00626.	2.4	8
32	Total Intravenous Anesthesia was Associated With Better Survival Outcomes After Coronary Artery Bypass Grafting: A Retrospective Cohort Study With 3-Year Follow-Up in South Korea. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2020, 34, 3250-3256.	1.3	6
33	Repositioning Lidocaine as an Anticancer Drug: The Role Beyond Anesthesia. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 565.	3.7	30
34	Hip Fracture Outcomes During the COVID-19 Pandemic: Early Results From New York. <i>Journal of Orthopaedic Trauma</i> , 2020, 34, 403-410.	1.4	100
35	Early respiratory outcomes following cardiac surgery in patients with COVID-19. <i>Journal of Cardiac Surgery</i> , 2020, 35, 2479-2485.	0.7	26
36	Analgesic effect of intravenous dexamethasone after volar plate surgery for distal radius fracture with brachial plexus block anaesthesia: a prospective, double-blind randomised clinical trial. <i>Anaesthesia</i> , 2020, 75, 1448-1460.	3.8	17

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37	An extracellular cold-inducible RNA-binding protein-derived small peptide targeting triggering receptor expressed on myeloid cells-1 attenuates hemorrhagic shock. <i>Journal of Trauma and Acute Care Surgery</i> , 2020, 88, 809-815.	2.1	6
38	&lt;p&gt;Acute Cytokine Response During Breast Cancer Surgery: Potential Role of Dexamethasone and Lidocaine and Relationship with Postoperative Pain and Complications â€“ Analysis of Three Pooled Pilot Randomized Controlled Trials&lt;/p&gt;. <i>Journal of Pain Research</i> , 2020, Volume 13, 1243-1254.	2.0	7
39	Distinctive effect of anesthetics on the effect of limb remote ischemic postconditioning following ischemic stroke. <i>PLoS ONE</i> , 2020, 15, e0227624.	2.5	15
40	Effect of general anesthesia on systemic inflammatory response and neuronal damage in children with craniosynostosis in perioperative period. <i>Russian Journal of Anesthesiology and Reanimatology /Anesteziologiya i Reanimatologiya</i> , 2021, , 39.	0.7	2
41	Effect of volatile and total intravenous anesthesia on syndecan-1 shedding after minimally invasive gastrectomy: a randomized trial. <i>Scientific Reports</i> , 2021, 11, 1511.	3.3	7
42	Calming the Storm: Natural Immunosuppressants as Adjuvants to Target the Cytokine Storm in COVID-19. <i>Frontiers in Pharmacology</i> , 2020, 11, 583777.	3.5	73
43	Neurobiology of anesthetic-surgical stress and induced behavioral changes in dogs and cats: A review. <i>Veterinary World</i> , 2021, 14, 393-404.	1.7	25
44	A Critical Appraisal of the Effects of Anesthetics on Immune-system Modulation in Critically Ill Patients With COVID-19. <i>Clinical Therapeutics</i> , 2021, 43, e57-e70.	2.5	6
45	Immunomodulators in anesthesia. <i>Current Opinion in Anaesthesiology</i> , 2021, 34, 357-363.	2.0	7
46	Development and characterization of a chronic implant mouse model for vagus nerve stimulation. <i>ELife</i> , 2021, 10, .	6.0	28
47	Clinical Relevance of Epidural Steroid Injections on Lumbosacral Radicular Syndrome-related Symptoms. <i>Clinical Journal of Pain</i> , 2021, 37, 524-537.	1.9	11
48	The effective interplay of (non-) selective NSAIDs with neostigmine in animal models of analgesia and inflammation. <i>BMC Pharmacology &amp; Toxicology</i> , 2021, 22, 24.	2.4	3
49	Baseline Values and Kinetics of IL-6, Procalcitonin, and TNF-Î± in Landrace-Large White Swine Anesthetized with Propofol-Based Total Intravenous Anesthesia. <i>BioMed Research International</i> , 2021, 2021, 1-10.	1.9	10
50	Neuroprotective effects of intraoperative dexmedetomidine versus saline infusion combined with goal-directed haemodynamic therapy for patients undergoing cranial surgery. <i>European Journal of Anaesthesiology</i> , 2021, 38, 1262-1271.	1.7	11
51	Acute abdomen in the immunocompromised patient: WSES, SIS-E, WSIS, AAST, and GAIS guidelines. <i>World Journal of Emergency Surgery</i> , 2021, 16, 40.	5.0	17
52	DNA damage assessment in peripheral blood of Swiss albino mice after combined exposure to volatile anesthetics and 1 or 2â€‰%Gy radiotherapy inÂvivo. <i>International Journal of Radiation Biology</i> , 2021, 97, 1425-1435.	1.8	2
53	Systemic lidocaine administration influences NF-Îº² gene expression, NF-Îº² and TNF- Î± protein levels on BALB/c mice with musculoskeletal injury. <i>Annals of Medicine and Surgery</i> , 2021, 69, 102660.	1.1	8
54	Obesity, metabolic syndrome, and inflammation: An update for anaesthetists caring for patients with obesity. <i>Anaesthesia, Critical Care &amp; Pain Medicine</i> , 2021, 40, 100947.	1.4	7

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55	Molecular mechanisms of lidocaine. <i>Annals of Medicine and Surgery</i> , 2021, 69, 102733.	1.1	19
56	The effects of pre-emptive intravenous ibuprofen on the thiol/disulfide homeostasis and C-reactive protein level as the markers of oxidative stress and inflammation during gynecologic laparoscopy: A randomised clinical trial. <i>International Journal of Clinical Practice</i> , 2021, 75, e14872.	1.7	1
57	The Inflammatory Response to Surgery. , 2022, , 9-15.		0
59	Immunomodulatory effects of anesthetic agents in perioperative medicine. <i>Minerva Anestesiologica</i> , 2020, 86, 181-195.	1.0	7
60	Sympatholytic and Anti-Inflammatory Effects of Ropivacaine and Bupivacaine After Infraclavicular Block in Arterio Venous Fistula Surgery. <i>Anesthesiology and Pain Medicine</i> , 2019, In Press, e85704.	1.3	3
61	Anesthesia for Parturient with Human Immunodeficiency Virus. , 2018, , 205-217.		0
62	Analgesia, Sedation, and Neuromuscular Blockade in PARDS. , 2020, , 127-140.		0
63	Enhanced Recovery After Surgery (ERAS) in the Oncologic Patient. , 2020, , 1611-1640.		0
64	The effectiveness and clinical outcomes of low-dose ketamine on the inflammatory stress response in digestive laparotomy surgery: A case series. <i>Bali Journal of Anesthesiology</i> , 2020, 4, 62.	0.1	0
65	Dexmedetomidine protects against endothelial injury in septic rats induced by cecal ligation and puncture by decreasing angiotensin 2 and increasing vascular endothelial cadherin levels. <i>Experimental and Therapeutic Medicine</i> , 2020, 21, 111.	1.8	1
66	Comparison of General and Spinal Anaesthesia on Systemic Inflammatory Response in Patients Undergoing Total Knee Arthroplasty: A Propensity Score Matching Analysis. <i>Medicina (Lithuania)</i> , 2021, 57, 1250.	2.0	4
67	Anesthetics mediated the immunomodulatory effects via regulation of TLR signaling. <i>International Immunopharmacology</i> , 2021, 101, 108357.	3.8	0
68	A translational rat model for ex vivo lung perfusion of pre-injured lungs after brain death. <i>PLoS ONE</i> , 2021, 16, e0260705.	2.5	3
70	Targeting inflammation in depression: Ketamine as an anti-inflammatory antidepressant in psychiatric emergency. <i>Brain, Behavior, &amp; Immunity - Health</i> , 2021, 18, 100383.	2.5	22
71	Effect of ulinastatin on the inflammatory response after video-assisted thoracic lobectomy in patients with lung cancer. <i>Chinese Medical Journal</i> , 2022, Publish Ahead of Print, .	2.3	2
72	INVESTIGATION OF CCL2/MCP-1 LEVEL IN BLOOD SERUM OF SURGICAL PAEDIATRIC PATIENTS AS MARKER OF ADEQUACY OF PERIOPERATIVE PAIN MANAGEMENT. <i>Pain Anesthesia and Intensive Care</i> , 2021, , 47-53.	0.1	0
73	Midazolam exhibits antitumour and anti-inflammatory effects in a mouse model of pancreatic ductal adenocarcinoma. <i>British Journal of Anaesthesia</i> , 2022, 128, 679-690.	3.4	18
74	General anesthesia bullies the gut: a toxic relationship with dysbiosis and cognitive dysfunction. <i>Psychopharmacology</i> , 2022, 239, 709-728.	3.1	14

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75	Characterization of Systemic and Regional Hemodynamics and Vascular Dysfunction in Mice with Fecal Induced Peritonitis. <i>Biomedicines</i> , 2022, 10, 470.	3.2	0
76	The effect of low flow anesthesia with sevoflurane on oxidative status. <i>Journal of King Abdulaziz University, Islamic Economics</i> , 2022, 43, 227-235.	1.1	1
77	Effect of lidocaine on oxidative activity of peripheral blood phagocytes. <i>Regional Anesthesia and Acute Pain Management</i> , 2021, 15, 147-152.	0.2	0
78	Systematic literature review of topical local anaesthesia or analgesia to donor site wounds. <i>Burns and Trauma</i> , 2022, 10, .	4.9	1
79	A Porcine Sepsis Model With Numerical Scoring for Early Prediction of Severity. <i>Frontiers in Medicine</i> , 2022, 9, .	2.6	6
80	Sciatic Nerve Intrafascicular Injection Induces Neuropathy by Activating the Matrix Modulators MMP-9 and TIMP-1. <i>Frontiers in Pharmacology</i> , 2022, 13, .	3.5	0
81	The perioperative effect of anesthetic drugs on the immune response in total intravenous anesthesia in patients undergoing minimally invasive gynecological surgery. <i>Romanian Journal of Morphology and Embryology</i> , 2022, 62, 961-969.	0.8	2
83	The effect of equipotent dose of propofol and sevoflurane on endoplasmic reticulum stress during breast cancer surgery. <i>Korean Journal of Anesthesiology</i> , 0, , .	2.5	0
84	The Neuroimmune Response to Surgery – An Exploratory Study of Trauma-Induced Changes in Innate Immunity and Heart Rate Variability. <i>Frontiers in Immunology</i> , 0, 13, .	4.8	4
85	Possibilities of inhalation anesthetics in blocking an excessive inflammatory response: a review. <i>Alexander Saltanov Intensive Care Herald</i> , 2022, , 102-110.	1.0	1
86	The future clinical implications of trained immunity. <i>Expert Review of Clinical Immunology</i> , 2022, 18, 1125-1134.	3.0	4
87	Genicular nerve block in juvenile idiopathic arthritis: a randomized clinical trial. <i>Clinical Rheumatology</i> , 0, , .	2.2	1
88	Pressure effect on lidocaine conformational equilibria in scCO <sub>2</sub> : A study by 2D NOESY. <i>Journal of Molecular Liquids</i> , 2022, 367, 120525.	4.9	16
89	Sevoflurane alleviates lung injury and inflammatory response compared with propofol in a rat model of VV ECMO. <i>Perfusion (United Kingdom)</i> , 0, , 026765912211312.	1.0	1
90	The deleterious impact of exposure to different inhaled anesthetics is time dependent. <i>Life Sciences</i> , 2022, 309, 121004.	4.3	3
91	Personalized Medicine for Classical Anesthesia Drugs and Cancer Progression. <i>Journal of Personalized Medicine</i> , 2022, 12, 1846.	2.5	2
92	Inflammation as Treatment Target for Status Epilepticus. <i>Current Neuropharmacology</i> , 2023, 21, 708-714.	2.9	2
93	Propofol inhibits cell apoptosis and inflammatory response in ox-LDL-induced human umbilical vein endothelial cells through the modulation of the circ_0003645/miR-149-3p/TRAF7 axis. <i>Clinical Hemorheology and Microcirculation</i> , 2023, 84, 1-18.	1.7	3

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94	Dexmedetomidine administration during brain tumour resection for prevention of postoperative delirium: a randomised trial. <i>British Journal of Anaesthesia</i> , 2023, 130, e307-e316.	3.4	7
95	Effects of different anesthesia methods on postoperative immune function in patients undergoing gastrointestinal tumor resection. <i>Scientific Reports</i> , 2023, 13, .	3.3	1
96	Prolonged and intense neuroinflammation after severe traumatic brain injury assessed by cerebral microdialysis with 300 kDa membranes. <i>Journal of Neuroimmunology</i> , 2023, 377, 578020.	2.3	4
97	Efficacy of Ultrasound-Guided Injection of Botulinum Toxin, Ozone, and Lidocaine in Piriformis Syndrome. <i>Healthcare (Switzerland)</i> , 2023, 11, 95.	2.0	2
98	The impact of Lidocaine gel on TNF- $\alpha$ expression in surgically induced oral mucosal ulcers: an immunohistochemical analysis in rabbits. <i>Journal of Oral Medicine and Oral Surgery</i> , 2023, 29, 8.	0.4	0
99	Acute and chronic pain in dogs and cats. <i>Companion Animal</i> , 2023, 28, 6-11.	0.2	0
100	A chitosan/fucoidan nanoparticle-loaded pullulan microneedle patch for differential drug release to promote wound healing. <i>Carbohydrate Polymers</i> , 2023, 306, 120593.	10.2	29
101	The impact of stress and anesthesia on animal models of infectious disease. <i>Frontiers in Veterinary Science</i> , 0, 10, .	2.2	3
102	Propofol-based intravenous anesthesia is associated with improved survival outcomes after major cancer surgery: a nationwide cohort study in South Korea. <i>Korean Journal of Anesthesiology</i> , 2023, 76, 461-470.	2.5	1
103	Anesthetic management of patients with sepsis/septic shock. <i>Frontiers in Medicine</i> , 0, 10, .	2.6	2
104	Effect of Quadratus Lumborum Block on Pain and Stress Response after Video Laparoscopic Surgeries: A Randomized Clinical Trial. <i>Journal of Personalized Medicine</i> , 2023, 13, 586.	2.5	1
105	Effects of Dexmedetomidine on Immunomodulation and Pain Control in Videolaparoscopic Cholecystectomies: A Randomized, Two-Arm, Double-Blinded, Placebo-Controlled Trial. <i>Journal of Personalized Medicine</i> , 2023, 13, 622.	2.5	0
106	Interventional Management Strategies of Pain for the Pandemic Era. <i>Headache</i> , 2023, , 239-251.	0.4	0
107	Comment on the article by Ye et al.: Comparative study of carbazochrome sodium sulfonate and tranexamic acid in reducing blood loss and inflammatory response following direct anterior total hip arthroplasty: a prospective randomized controlled trial. <i>International Orthopaedics</i> , 0, , .	1.9	0
108	The effect of local anaesthetics on apoptosis and NETosis of human neutrophils in vitro: comparison between lidocaine and ropivacaine. <i>Human Cell</i> , 0, , .	2.7	0
109	Inhibitory effects of lidocaine on colon carcinoma progression in a rat model: a pilot study. <i>British Journal of Anaesthesia</i> , 2023, 131, e163-e165.	3.4	0
110	The Local Anaesthetic Procaine Prodrugs ProcCluster <sup>®</sup> and Procaine Hydrochloride Impair SARS-CoV-2 Replication and Egress In Vitro. <i>International Journal of Molecular Sciences</i> , 2023, 24, 14584.	4.1	1
111	The Effect of Dexmedetomidine on the Mini-Cog Score and High-Mobility Group Box 1 Levels in Elderly Patients with Postoperative Neurocognitive Disorders Undergoing Orthopedic Surgery. <i>Journal of Clinical Medicine</i> , 2023, 12, 6610.	2.4	0

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112	IMPACT OF PARAVERTEBRAL BLOCKADE ON THE COURSE OF EARLY POSTOPERATIVE PERIOD FOLLOWING SURGICAL INTERVENTION FOR LUNG MALIGNANCIES UNDER INHALED SEVOFLURANE ANESTHESIA. , 2023, 23, 45-53.	0.2	0
113	Hypoxia, <scp>NSAIDs</scp>, and autism: A biocultural analysis of stressors in gametogenesis. American Journal of Human Biology, 0, , .	1.6	0
114	Impact of Early Tracheostomy After Lung Transplantation: A National Analysis. Annals of Thoracic Surgery, 2024, , .	1.3	0
115	Immunotherapeutic Properties of Dexmedetomidine on Pain Management and Cardiovascular Function in Videolaparoscopic Cholecystectomies: A Randomized, Two-Arm, Double-Blinded, Placebo-Controlled Trial. Surgical Innovation, 2024, 31, 137-147.	0.9	0
116	Attenuation of propofol-induced hippocampal neuron damage in developing rats by dexmedetomidine. Materials Express, 2024, 14, 499-507.	0.5	0
117	A longitudinal MRI and TSPO PET-based investigation of brain region-specific neuroprotection by diazepam versus midazolam following organophosphate-induced seizures. Neuropharmacology, 2024, 251, 109918.	4.1	0
118	The role of surgical tissue injury and intraoperative sympathetic activation in postoperative immunosuppression after breast-conserving surgery versus mastectomy: a prospective observational study. Breast Cancer Research, 2024, 26, .	5.0	0
119	TXB-001, a newly-developed polymer-conjugated anthracycline: Significantly lower adverse effects in animal models of alopecia and hand-foot syndrome. Toxicology and Applied Pharmacology, 2024, 485, 116912.	2.8	0