

Stanford



Richard A. Jaffe

Professor of Anesthesiology, Perioperative and Pain Medicine and, by courtesy, of Neurosurgery

CLINICAL OFFICES

- **Anesthesia**

300 Pasteur Dr Rm H3580

MC 5640

Stanford, CA 94305

Tel (650) 723-6411

Fax (650) 725-8544

ACADEMIC CONTACT INFORMATION

- **Administrative Contact**

Natalie Darling-Cabrera - Administrative Assistant

Email ndarling@stanford.edu

Tel 650 497-0648

Bio

CLINICAL FOCUS

- Neurosurgical Anesthesia
- Anesthesia

ACADEMIC APPOINTMENTS

- Professor - University Medical Line, Anesthesiology, Perioperative and Pain Medicine
- Professor - University Medical Line (By courtesy), Neurosurgery
- Member, Bio-X

PROFESSIONAL EDUCATION

- Medical Education: University of Miami Miller School of Medicine (1985) FL
- Residency: Stanford University School of Medicine (1988) CA
- Internship: St Vincent Hospital and Medical Center (1986) OR
- Board Certification: Anesthesia, American Board of Anesthesiology (1990)
- M.D., University of Miami, Medicine (1985)
- Ph.D., Univ California, San Francisco, Neurophysiology (1977)

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

My clinical and laboratory research activities are currently focused on developing new and sensitive means for detecting the onset of cerebral ischemia using both non-invasive electrophysiological and non-invasive optical techniques. The goal of this research is to provide new monitoring techniques to guide the clinical management of patients in which cerebral perfusion or other critical organ perfusion may be compromised.

Additional laboratory research activities are focused on developing an understanding of the mechanisms which underlie differential nerve block, and on identifying the sites of local anesthetic and opiate action within the spinal cord. The objective is to enable clinicians to provide regional analgesia without the many unwanted side effects of opiates and conventional local anesthetics. Achieving this goal could substantially improve pain management techniques and the practice of regional anesthesia.

Teaching

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Anesthesia (Fellowship Program)

Publications

PUBLICATIONS

- **Letter: A Novel Protocol for Reducing Intensive Care Utilization After Craniotomy.** *Neurosurgery*
Jaffe, R. A., Brock-Utne, J. G.
1800
- **Potential Sources of Operating Room Air Contamination: A Preliminary Study.** *The Journal of hospital infection*
Brock-Utne, J. G., Ward, J. T., Jaffe, R. A.
2021
- **Rapid Blood Transfusion: The Importance of Hemodilution and Needleless Connectors** *CUREUS*
Burbridge, M. A., Panigrahi, A. K., Stone, S. A., Jaffe, R. A., Brock-Utne, J.
2021; 13 (3)
- **Rapid Blood Transfusion: The Importance of Hemodilution and Needleless Connectors.** *Cureus*
Burbridge, M. A., Panigrahi, A. K., Stone, S. A., Jaffe, R. A., Brock-Utne, J.
2021; 13 (3): e13999
- **Management of brain tumors presenting in pregnancy: a case series and systematic review** *Management of brain tumors presenting in pregnancy: a case series and systematic review*
Rodrigues, A.
2021; 3 (1)
- **Management of brain tumors presenting in pregnancy: a case series and systematic review.** *American journal of obstetrics & gynecology MFM*
Rodrigues, A. J., Waldrop, A. R., Suharwardy, S., Druzin, M. L., Iv, M., Ansari, J. R., Stone, S. A., Jaffe, R. A., Jin, M. C., Li, G., Hayden-Gephart, M.
2021; 3 (1): 100256
- **100% Nitrous Oxide in the Oxygen Line: How Could This Happen in a Modern Anesthesia Machine?** *A&A practice*
Joo, S. S., Bechtold, H., Jaffe, R. A., Brock-Utne, J. G.
2020; 14 (13): e01337
- **Address Physician Burnout by Restoring Control of Health Care to Physicians.** *JAMA internal medicine*
Brock-Utne, J. G., Jaffe, R. A.
2020; 180 (2): 334
- **Accidental Injection of Propofol Into a Lumbar Drain** *Journal of Neurosurgical Anesthesiology*
Burbridge, M. A., Jaffe, R. A.
2020
- **Plasma nitrite as an indicator of cerebral ischemia during extracranial/intracranial bypass surgery in moyamoya patients.** *Journal of stroke and cerebrovascular diseases : the official journal of National Stroke Association*
Silver, J. H., Jaffe, R. A., López, J. R.
2020; 29 (9): 104830
- **Feasibility study of a smartphone pupillometer and evaluation of its accuracy.** *Journal of clinical monitoring and computing*
Neice, A. E., Fowler, C. n., Jaffe, R. A., Brock-Utne, J. G.

2020

- **Accidental Injection of Propofol Into a Lumbar Drain: The Role of ISO 80369-6 Compliant Neuro Connectors.** *Journal of neurosurgical anesthesiology*
Burbridge, M. A., Jaffe, R. A.
2020
- **Frameless Robot-Assisted Deep Brain Stimulation Surgery: An Initial Experience** *OPERATIVE NEUROSURGERY*
Ho, A. L., Pendharkar, A. V., Brewster, R., Martinez, D. L., Jaffe, R. A., Xu, L. W., Miller, K. J., Halpern, C. H.
2019; 17 (4): 424–31
- **The use of end-tidal argon to detect venous air embolism: foiled by "fake oxygen!"** *JOURNAL OF CLINICAL MONITORING AND COMPUTING*
McAvoy, J., Jaffe, R., Burbridge, M., Schertz, T., Brock-Utne, J.
2019; 33 (5): 925–26
- **Misinterpretation of USP 797 Continues.** *Anesthesia and analgesia*
Brock-Utne, J. G., Jaffe, R. A.
2019
- **Cerebral Oximetry Fails as a Monitor of Brain Perfusion in Cardiac Surgery: A Case Report** *A & A PRACTICE*
McAvoy, J., Jaffe, R., Brock-Utne, J., Lopez, J., Brodt, J.
2019; 12 (12): 441–43
- **Effect of Head Rotation on Jugular Vein Patency Under General Anesthesia** *CANADIAN JOURNAL OF NEUROLOGICAL SCIENCES*
Burbridge, M. A., Min, J., Jaffe, R. A.
2019; 46 (3): 355–57
- **Excipients in Anesthesia Medications** *ANESTHESIA AND ANALGESIA*
Burbridge, M. A., Jaffe, R. A.
2019; 128 (5): 891–900
- **Cerebral Oximetry Fails as a Monitor of Brain Perfusion in Cardiac Surgery: A Case Report.** *A&A practice*
McAvoy, J., Jaffe, R., Brock-Utne, J., Lopez, J., Brodt, J.
2019
- **Acetaminophen Does Not Reduce Postoperative Opiate Consumption in Patients Undergoing Craniotomy for Cerebral Revascularization: A Randomized Control Trial.** *Cureus*
Burbridge, M. A., Stone, S. A., Jaffe, R. A.
2019; 11 (1): e3863
- **Frameless Robot-Assisted Deep Brain Stimulation Surgery: An Initial Experience.** *Operative neurosurgery (Hagerstown, Md.)*
Ho, A. L., Pendharkar, A. V., Brewster, R., Martinez, D. L., Jaffe, R. A., Xu, L. W., Miller, K. J., Halpern, C. H.
2019
- **An Anesthesia Attempt to Be Green: How Do You Waste Your Carbon Dioxide Absorbers?** *A&A practice*
Burbridge, M. A., Chua, P. n., Jaffe, R. A., Pearl, R. G., Brock-Utne, J. G.
2019
- **Intraoperative Transcranial Motor-evoked Potential Stimulation Does Not Seem to Cause Seizures.** *Journal of neurosurgical anesthesiology*
Burbridge, M. A., Nguyen, V. n., Min, J. G., Jaffe, R. A., Ahuja, B. n., Shah, A. D., Lee, L. H., Cho, C. n., Sandoval, B. n., López, J. R.
2019
- **Effect of Head Rotation on Jugular Vein Patency Under General Anesthesia.** *The Canadian journal of neurological sciences. Le journal canadien des sciences neurologiques*
Burbridge, M. A., Min, J. G., Jaffe, R. A.
2019: 1–3
- **Performance of Litholyme (TM) compared with Sodasorb (TM) carbon dioxide absorbents in a standard clinical setting** *BRITISH JOURNAL OF ANAESTHESIA*
Fowler, C. J., Burbridge, M. A., Jaffe, R. A., Brock-Utne, J. G.
2019; 122 (1): E11–E12

- **Performance of Litholyme compared with Sodasorb carbon dioxide absorbents in a standard clinical setting.** *British journal of anaesthesia*
Fowler, C. J., Burbridge, M. A., Jaffe, R. A., Brock-Utne, J. G.
2019; 122 (1): e11–e12
- **Paradoxical Critical Hyperkalemia After Acetazolamide for Cerebrovascular Reactivity Study: A Case Report.** *A&A practice*
Burbridge, M. A., Jaffe, R. A.
2019
- **Inaccurate Blood Pressure Readings in the Intensive Care Unit: An Observational Study.** *Cureus*
Tse, B., Burbridge, M. A., Jaffe, R. A., Brock-Utne, J.
2018; 10 (12): e3716
- **Spiking of intravenous bags does not cause time-dependent microbial contamination: a preliminary report.** *Infection control and hospital epidemiology*
Brock-Utne, J. G., Smith, S. C., Banaei, N., Chang, S., Alejandro-Harper, D., Jaffe, R. A.
2018: 1–2
- **Case Report of an Awake Craniotomy in a Patient With Eisenmenger Syndrome.** *A&A practice*
Heifets, B. D., Crawford, E., Jackson, E., Brodt, J., Jaffe, R. A., Burbridge, M. A.
2018; 10 (9): 219-222
- **Excipients in Anesthesia Medications.** *Anesthesia and analgesia*
Burbridge, M. A., Jaffe, R. A.
2018
- **The use of end-tidal argon to detect venous air embolism: foiled by "fake oxygen!"** *Journal of clinical monitoring and computing*
McAvoy, J. n., Jaffe, R. n., Burbridge, M. n., Schertz, T. n., Brock-Utne, J. n.
2018
- **Overregulation Revisited ANESTHESIA AND ANALGESIA**
Brock-Utne, J. G., Sanford, J., Jaffe, R. A.
2017; 124 (5): 1743
- **Intraoperative Tonic-Clonic Seizure Under General Anesthesia Captured by Electroencephalography: A Case Report.** *A & A case reports*
Burbridge, M. A., Jaffe, R. A., Doufas, A. G., Lopez, J. R.
2017
- **Intraoperative Tonic-Clonic Seizure Under General Anesthesia Captured by Electroencephalography: A Case Report** *A and A Case Reports*
Burbridge, M. A., Jaffe, R. A., Doufas, A. G., Lopez, J. R.
2017: 9–12
- **High Flow Nasal Cannula, A Novel Approach to Airway Management in Awake Craniotomies.** *Journal of neurosurgical anesthesiology*
Smith, S. C., Burbridge, M. n., Jaffe, R. n.
2017
- **Case Report of an Awake Craniotomy in a Patient With Eisenmenger Syndrome.** *A & A case reports*
Heifets, B. D., Crawford, E. n., Jackson, E. n., Brodt, J. n., Jaffe, R. A., Burbridge, M. A.
2017
- **The Importance of Developing Standardized Transparent Validation of Large Data** *ANESTHESIA AND ANALGESIA*
Sanford, J., Jaffe, R. A., Kadry, B., Bjerregaard, J., Schmiesing, C., Brock-Utne, J. G.
2016; 123 (6): 1636–37
- **Ventriculoperitoneal Shunt Insertion Under Monitored Anesthesia Care in a Patient With Severe Pulmonary Hypertension.** *A & A case reports*
Burbridge, M. A., Brodt, J., Jaffe, R. A.
2016; 7 (2): 27-29
- **Exparel®: A New Local Anesthetic with Special Safety Concerns.** *Anesthesia and analgesia*
Burbridge, M., Jaffe, R. A.
2015; 121 (4): 1113-1114

- **Extracorporeal membrane oxygenation for cardiac arrest during moyamoya cerebral revascularization surgery: case report** *JOURNAL OF NEUROSURGERY*
Choudhri, O., Shah, A., Basarab-Tung, J., Jaffe, R. A., Steinberg, G. K.
2015; 123 (3): 693-698
- **Extracorporeal membrane oxygenation for cardiac arrest during moyamoya cerebral revascularization surgery: case report.** *Journal of neurosurgery*
Choudhri, O., Shah, A., Basarab-Tung, J., Jaffe, R. A., Steinberg, G. K.
2015; 123 (3): 693-698
- **A Case Illustrating the Costs of Quality Improvement: Nine Months to Move Needles and Syringes on the Anesthesia Cart.** *A & A case reports*
Quick, A. K., Macario, A., Brock-Utne, J. G., Jaffe, R. A., Kadry, B.
2015; 5 (5): 88-90
- **Intraoperative cardiac arrest: was it the ACE inhibitor?** *JOURNAL OF CLINICAL ANESTHESIA*
Bjerregaard, J., Jaffe, R. A.
2014; 26 (1): 62-64
- **Occurrence of severe hypotension after indocyanine green injection during the intraoperative period.** *A & A case reports*
Bjerregaard, J., Pandia, M. P., Jaffe, R. A.
2013; 1 (1): 26-30
- **A safety suggestion when using a soft bite block.** *Paediatric anaesthesia*
Brock-Utne, J. G., Jaffe, R. A.
2012; 22 (11): 1145
- **Human Subthalamic Neuron Spiking Exhibits Subtle Responses to Sedatives** *ANESTHESIOLOGY*
MacIver, M. B., Bronte-Stewart, H. M., Henderson, J. M., Jaffe, R. A., Brock-Utne, J. G.
2011; 115 (2): 254-264
- **Failure to Ventilate with the Drager Apollo (R) Anesthesia Workstation** *ANESTHESIOLOGY*
Hilton, G., Moll, V., Zumarán, A. A., Jaffe, R. A., Brock-Utne, J. G.
2011; 114 (5): 1238-1240
- **Perioperative Hypothermia (33 degrees C) Does Not Increase the Occurrence of Cardiovascular Events in Patients Undergoing Cerebral Aneurysm Surgery Findings from the Intraoperative Hypothermia for Aneurysm Surgery Trial** *ANESTHESIOLOGY*
Nguyen, H. P., Zaroff, J. G., Bayman, E. O., Gelb, A. W., Todd, M. M., Hindman, B. J.
2010; 113 (2): 327-342
- **No Association between Intraoperative Hypothermia or Supplemental Protective Drug and Neurologic Outcomes in Patients Undergoing Temporary Clipping during Cerebral Aneurysm Surgery Findings from the Intraoperative Hypothermia for Aneurysm Surgery Trial** *ANESTHESIOLOGY*
Hindman, B. J., Bayman, E. O., Pfisterer, W. K., Torner, J. C., Todd, M. M.
2010; 112 (1): 86-101
- **A POOR CORRELATION EXISTS BETWEEN OSCILLOMETRIC AND RADIAL ARTERIAL BLOOD PRESSURE AS MEASURED BY THE PHILIPS MP90 MONITOR** *JOURNAL OF CLINICAL MONITORING AND COMPUTING*
Mireles, S. A., Jaffe, R. A., Drover, D. R., Brock-Utne, J. G.
2009; 23 (3): 169-174
- **Does a delay in performing an activated clotting (ACT) test really matter? A study in nonheparinized blood and a single ACT machine.** *The Journal of extra-corporeal technology*
Philip, B. M., Brock-Utne, J. G., Lemmens, H. J., Jaffe, R. A., Shuttleworth, P. E.
2008; 40 (3): 193-195
- **The dromedary sign - An unusual capnograph tracing** *ANESTHESIOLOGY*
Jaffe, R. A., Talavera, J. A., Hah, J. M., Brock-Utne, J. G.
2008; 109 (1): 149-150
- **Effects of intraoperative hypothermia on neuropsychological outcomes after intracranial aneurysm surgery** *ANNALS OF NEUROLOGY*
Anderson, S. W., Todd, M. M., Hindman, B. J., Clarke, W. R., Torner, J. C., Tranel, D., Yoo, B., Weeks, J., Manzel, K. W., Samra, S.
2006; 60 (5): 518-527

- **Mild intraoperative hypothermia during surgery for intracranial aneurysm** *NEW ENGLAND JOURNAL OF MEDICINE*
Todd, M. M., Hindman, B. J., Clarke, W. R., Torner, J. C., Todd, M., Hindman, B., Clarke, W., Chaloner, K., Torner, J., Davis, P., Howard, M., Tranel, D., Anderson, et al
2005; 352 (2): 135-145
- **Wrist hyperextension leads to median nerve conduction block - Implications for intra-arterial catheter placement** *ANESTHESIOLOGY*
Chowet, A. L., Lopez, J. R., Brock-Utne, J. G., Jaffe, R. A.
2004; 100 (2): 287-291
- **Indocyanine green - Evidence of neurotoxicity in spinal root axons** *ANESTHESIOLOGY*
Dietz, F. B., Jaffe, R. A.
2003; 98 (2): 516-520
- **Downregulation of cerebrospinal fluid production in patients with chronic hydrocephalus** *JOURNAL OF NEUROSURGERY*
Silverberg, G. D., Huhn, S., Jaffe, R. A., Chang, S. D., Saul, T., Heit, G., Von Essen, A., Rubenstein, E.
2002; 97 (6): 1271-1275
- **Advances in understanding protection from cerebral ischemia.** *Current opinion in anaesthesiology*
Giffard, R. G., Jaffe, R. A.
2002; 15 (5): 495-500
- **A modification of the Yodfat Laryngeal Mask Airway insertion technique** *JOURNAL OF CLINICAL ANESTHESIA*
Jaffe, R. A., Brock-Utne, J. G.
2002; 14 (6): 462-463
- **The cerebrospinal fluid production rate is reduced in dementia of the Alzheimer's type** *NEUROLOGY*
Silverberg, G. D., Heit, G., Huhn, S., Jaffe, R. A., Chang, S. D., Bronte-Stewart, H., Rubenstein, E., Possin, K., Saul, T. A.
2001; 57 (10): 1763-1766
- **Failure to detect CO2-absorbent exhaustion: Seeing and believing** *ANESTHESIOLOGY*
Pond, D., Jaffe, R. A., Brock-Utne, J. G.
2000; 92 (4): 1196-1198
- **Rewarming from hypothermia leads to elevated plasma lipopolysaccharide concentrations** *UNDERSEA & HYPERBARIC MEDICINE*
Gaffin, S. L., Dietz, F. B., Brock-Utne, J. G., Andrews, T. C., Jaffe, R. A., Steinberg, G. K., Wallace, R. F.
2000; 27 (1): 1-7
- **Two tips for users of Bullard (TM) intubating laryngoscope** *ANESTHESIA AND ANALGESIA*
Habibi, A., Bushell, E., Jaffe, R. A., Giffard, R. G., Brock-Utne, J. G.
1998; 87 (5): 1206-1208
- **Pregnancy does not increase susceptibility to bupivacaine in spinal root axons** *ANESTHESIOLOGY*
Dietz, F. B., Jaffe, R. A.
1997; 87 (3): 610-616
- **Bupivacaine preferentially blocks ventral root axons in rats** *Annual Meeting of the American-Society-of-Anesthesiologists*
Dietz, F. B., Jaffe, R. A.
LIPPINCOTT WILLIAMS & WILKINS.1997: 172-80
- **A comparison of the local anesthetic effects of meperidine, fentanyl, and sufentanil on dorsal root axons** *ANESTHESIA AND ANALGESIA*
Jaffe, R. A., Rowe, M. A.
1996; 83 (4): 776-781
- **Differential nerve block - Direct measurements on individual myelinated and unmyelinated dorsal root axons** *ANESTHESIOLOGY*
Jaffe, R. A., Rowe, M. A.
1996; 84 (6): 1455-1464
- **Comments on Sotgiu et al (PAIN, 62 (1995) 250)** *Pain*
Jaffe, R. A.
1996; 65 (2-3): 286-287

- **INTERNAL GAS ANALYZER LEAK RESULTING IN AN ABNORMAL CAPNOGRAM AND INCORRECT CALIBRATION** *ANESTHESIA AND ANALGESIA*
Healzer, J. M., SPIEGELMAN, W. G., Jaffe, R. A.
1995; 81 (1): 202-203
- **EPIDURAL AIR INJECTION ASSESSED BY TRANSESOPHAGEAL ECHOCARDIOGRAPHY** *REGIONAL ANESTHESIA*
Jaffe, R. A., Siegel, L. C., Schnittger, L., PROPST, J. W., BROCKUTNE, J. G.
1995; 20 (2): 152-155
- **SUBANESTHETIC CONCENTRATIONS OF LIDOCAINE SELECTIVELY INHIBIT A NOCICEPTIVE RESPONSE IN THE ISOLATED RAT SPINAL-CORD** *PAIN*
Jaffe, R. A., Rowe, M. A.
1995; 60 (2): 167-174
- **AN ALTERNATIVE TO THE GUM ELASTIC BOUGIE AND/OR THE JET STYLET** *ANESTHESIA AND ANALGESIA*
MANOS, S. J., Jaffe, R. A., BROCKUTNE, J. G.
1994; 79 (5): 1017-1017
- **AN IN-VITRO STUDY OF FEMORAL INTRAMEDULLARY PRESSURES DURING HIP-REPLACEMENT USING MODERN CEMENT TECHNIQUE** *CLINICAL ORTHOPAEDICS AND RELATED RESEARCH*
Song, Y., Goodman, S. B., Jaffe, R. A.
1994; 297-304
- **INTRATHECAL SUFENTANIL FOR LABOR ANALGESIA - SENSORY CHANGES, SIDE-EFFECTS, AND FETAL HEART-RATE CHANGES** *ANESTHESIA AND ANALGESIA*
Cohen, S. E., CHERRY, C. M., Holbrook, R. H., ELSAYED, Y. Y., Gibson, R. N., Jaffe, R. A.
1993; 77 (6): 1155-1160
- **ACQUIRED IMMUNODEFICIENCY SYNDROME-ASSOCIATED NON-HODGKINS-LYMPHOMAS AND OTHER MALIGNANCIES IN PATIENTS WITH HEMOPHILIA** *BLOOD*
Ragni, M. V., Belle, S. H., Jaffe, R. A., DUERSTEIN, S. L., Bass, D. C., MCMILLAN, C. W., Lovrien, E. W., Aledort, L. M., Kisker, C. T., Stabler, S. P., Hoots, W. K., Hilgartner, M. W., COXGILL, et al
1993; 81 (7): 1889-1897
- **ASPECTS OF MECHANICAL VENTILATION AFFECTING INTERATRIAL SHUNT FLOW DURING GENERAL-ANESTHESIA** *ANESTHESIA AND ANALGESIA*
Jaffe, R. A., Pinto, F. J., Schnittger, I., Siegel, L. C., Wranne, B., BROCKUTNE, J. G.
1992; 75 (4): 484-488
- **PERIOPERATIVE CORNEAL ABRASIONS** *ANESTHESIOLOGY*
BROCKUTNE, J. G., Botz, G., Jaffe, R. A.
1992; 77 (1): 221-221
- **DIFFICULTY IN EXTUBATION - A CAUSE FOR CONCERN** *ANAESTHESIA*
BROCKUTNE, J. G., Jaffe, R. A., Robins, B., Ratner, E.
1992; 47 (3): 229-230
- **TRACHEAL INTUBATION WITH THE PATIENT IN A SITTING POSITION** *BRITISH JOURNAL OF ANAESTHESIA*
BROCKUTNE, J. G., Jaffe, R. A.
1991; 67 (2): 225-226
- **INTRAOPERATIVE VENTILATOR-INDUCED RIGHT-TO-LEFT INTRACARDIAC SHUNT** *ANESTHESIOLOGY*
Jaffe, R. A., Pinto, F. J., Schnittger, I., BROCKUTNE, J. G.
1991; 75 (1): 153-155
- **STIMULATION OF CUTANEOUS MECHANORECEPTORS BY 60-HZ ELECTRIC-FIELDS** *BIOELECTROMAGNETICS*
Weigel, R. J., Jaffe, R. A., LUNDSTROM, D. L., FORSYTHE, W. C., Anderson, L. E.
1987; 8 (4): 337-350
- **EFFECTS OF NEGATIVELY CHARGED AEROSOL ON BLOOD AND CEREBROSPINAL-FLUID PARAMETERS IN RATS** *INTERNATIONAL JOURNAL OF BIOMETEOROLOGY*

- Wehner, A. P., Ragan, H. A., Jaffe, R. A., Weigel, R. J., LUNDSTROM, D. L.
1983; 27 (3): 259-269
- **PERINATAL EXPOSURE TO 60-HZ ELECTRIC-FIELDS - EFFECTS ON THE DEVELOPMENT OF THE VISUAL-EVOKED RESPONSE IN RATS** *BIOELECTROMAGNETICS*
Jaffe, R. A., LOPRESTI, C. A., Carr, D. B., Phillips, R. D.
1983; 4 (4): 327-339
 - **DOSIMETRY AND CARDIOPULMONARY FUNCTION IN RATS CHRONICALLY EXPOSED TO CIGARETTE-SMOKE** *TOXICOLOGY AND APPLIED PHARMACOLOGY*
LOSCUTOFF, S. M., Jaffe, R. A., HILTON, D. I., PHELPS, D. W., Carr, D. B., Wehner, A. P.
1982; 64 (2): 335-352
 - **EVIDENCE FOR DIRECT TRANSFER OF 1,2-H-3-LABELED TESTOSTERONE FROM TESTICULAR VEINS TO THE RETE TESTIS IN RATS** *JOURNAL OF ANDROLOGY*
FREE, M. J., Jaffe, R. A.
1982; 3 (2): 101-107
 - **Chronic exposure to a 60-Hz electric field: effects on neuromuscular function in the rat.** *Bioelectromagnetics*
Jaffe, R. A., Laszewski, B. L., Carr, D. B.
1981; 2 (3): 227-239
 - **Chronic exposure to a 60-Hz electric field: effects on synaptic transmission and peripheral nerve function in the rat.** *Bioelectromagnetics*
Jaffe, R. A., Laszewski, B. L., Carr, D. B., Phillips, R. D.
1980; 1 (2): 131-147
 - **EFFECT OF ANESTHETICS ON TESTOSTERONE PRODUCTION IN RATS** *JOURNAL OF ANDROLOGY*
FREE, M. J., Jaffe, R. A., Cheng, H. C.
1980; 1 (4): 182-196
 - **SPERM TRANSPORT THROUGH THE RETE TESTIS IN ANESTHETIZED RATS - ROLE OF THE TESTICULAR CAPSULE AND EFFECT OF GONADOTROPINS AND PROSTAGLANDINS** *BIOLOGY OF REPRODUCTION*
FREE, M. J., Jaffe, R. A., MORFORD, D. E.
1980; 22 (5): 1073-1078
 - **COLLECTION OF RETE TESTIS FLUID FROM RATS WITHOUT PREVIOUS EFFERENT DUCT LIGATION** *BIOLOGY OF REPRODUCTION*
FREE, M. J., Jaffe, R. A.
1979; 20 (2): 269-278
 - **TARGET ORGANS FOR TESTOSTERONE TRANSFERRED FROM VEIN TO ARTERY IN PAMPINIFORM PLEXUS - EPIDIDYMIS** *BIOLOGY OF REPRODUCTION*
FREE, M. J., Jaffe, R. A.
1978; 18 (4): 639-642
 - **EFFECTS OF DROPERIDOL ON ACTIVITY OF CAROTID-BODY CHEMORECEPTORS IN CAT** *BRITISH JOURNAL OF PHARMACOLOGY*
Aminoff, M. J., Jaffe, R. A., Sampson, S. R., Vidruk, E. H.
1978; 63 (2): 245-250
 - **RESPIRATORY GAS TENSIONS IN TISSUES AND FLUIDS OF MALE RAT REPRODUCTIVE-TRACT** *BIOLOGY OF REPRODUCTION*
FREE, M. J., SCHLUNTZ, G. A., Jaffe, R. A.
1976; 14 (4): 481-488
 - **ANALYSIS OF PASSIVE AND ACTIVE ELECTROPHYSIOLOGIC PROPERTIES OF NEURONS IN MAMMALIAN NODOSE GANGLIA MAINTAINED INVITRO** *JOURNAL OF NEUROPHYSIOLOGY*
Jaffe, R. A., Sampson, S. R.
1976; 39 (4): 802-815
 - **PHARMACOLOGICAL ANALYSIS OF NEURALLY INDUCED INHIBITION OF CAROTID-BODY CHEMORECEPTOR ACTIVITY IN CATS** *JOURNAL OF PHARMACOLOGY AND EXPERIMENTAL THERAPEUTICS*
Sampson, S. R., Aminoff, M. J., Jaffe, R. A., Vidruk, E. H.
1976; 197 (1): 119-125

- **ANALYSIS OF INHIBITORY EFFECT OF DOPAMINE ON CAROTID-BODY CHEMORECEPTORS IN CATS** *AMERICAN JOURNAL OF PHYSIOLOGY*
Sampson, S. R., Aminoff, M. J., Jaffe, R. A., Vidruk, E. H.
1976; 230 (6): 1494-1498
- **DYNAMICS OF VENOUS-ARTERIAL TESTOSTERONE TRANSFER IN PAMPINIFORM PLEXUS OF RAT** *ENDOCRINOLOGY*
FREE, M. J., Jaffe, R. A.
1975; 97 (1): 169-177
- **INFLUENCE OF CENTRIFUGAL SINUS NERVE ACTIVITY ON CAROTID-BODY CATECHOLAMINES - MICROPHOTOMETRIC ANALYSIS OF FORMALDEHYDE-INDUCED FLUORESCENCE** *BRAIN RESEARCH*
Sampson, S. R., Nicolaysen, G., Jaffe, R. A.
1975; 85 (3): 437-446
- **EXCITATORY EFFECTS OF 5-HYDROXYTRYPTAMINE, VERATRIDINE AND PHENYL DIGUANIDE ON SENSORY GANGLION-CELLS OF NODOSE GANGLION OF CAT** *LIFE SCIENCES*
Sampson, S. R., Jaffe, R. A.
1974; 15 (12): 2157-2165
- **SIMPLE ENDOTRACHEAL INTUBATION TECHNIQUE FOR INHALATION ANESTHESIA OF RAT** *LABORATORY ANIMAL SCIENCE*
Jaffe, R. A., FREE, M. J.
1973; 23 (2): 266-269
- **TESTOSTERONE CONCENTRATING MECHANISM IN REPRODUCTIVE ORGANS OF MALE RAT** *NATURE-NEW BIOLOGY*
FREE, M. J., Jaffe, R. A., Jain, S. K., Gomes, W. R.
1973; 244 (131): 24-26
- **EFFECT OF PROSTAGLANDINS ON BLOOD-FLOW AND PRESSURE IN CONSCIOUS RAT** *PROSTAGLANDINS*
FREE, M. J., Jaffe, R. A.
1972; 1 (6): 483-?
- **DYNAMICS OF CIRCULATION IN TESTIS OF CONSCIOUS RAT** *AMERICAN JOURNAL OF PHYSIOLOGY*
FREE, M. J., Jaffe, R. A.
1972; 223 (1): 241-?
- **MINIATURE FRICTION FLOWMETER FOR USE IN RAT TESTICULAR ARTERY AND OTHER SMALL VESSELS** *JOURNAL OF APPLIED PHYSIOLOGY*
Jaffe, R. A., FREE, M. J.
1972; 32 (4): 571-?