





Chandra Ramamoorthy

Professor of Anesthesiology, Perioperative and Pain Medicine (Pediatric), Emerita

 NIH Biosketch available Online

 Curriculum Vitae available Online

CLINICAL OFFICE (PRIMARY)

- **Dept of Anesthesia**

300 Pasteur Dr Rm H3586

MC 5640

Stanford, CA 94305

Tel (650) 723-5728

Fax (650) 736-9918

ACADEMIC CONTACT INFORMATION

- **Alternate Contact**

Administrative Associate

Tel 650-724-1705

Bio

CLINICAL FOCUS

- Anesthesia
- Anesthesia, Pediatric
- Anesthesia, Pediatric Cardiac
- Pediatric cardiac anesthesia

ACADEMIC APPOINTMENTS

- Emeritus (Active) Professor, Anesthesiology, Perioperative and Pain Medicine
- Member, Cardiovascular Institute

ADMINISTRATIVE APPOINTMENTS

- National Registry, Pediatric Perioperative Cardiac Arrest, (1996-2004)
- Medical Board, LPCH, (2003- present)
- Credentials Committee, LPCH, (2003-2004)
- OR Governance Committee, LPCH, (2001- present)
- Education Committee, Society for Pediatric Anesthesia, (2004-2004)
- Organizing Committee, Congenital Cardiac Anesthesia Society, (2005-2005)
- Education Committee, Society of Cardiothoracic Vascular Anesthesia, (2007-2007)
- Program Director, Cardiothoracic Vascular Anesthesia, (2008-2008)
- Program Director, Pediatric Cardiac Intensive Care Symposium, (2008-2008)
- Vice President, Congenital Cardiac Anesthesia Society, (2006-2008)
- Inaugural Education Meeting, Congenital Cardiac Anesthesia Society, (2007-2007)
- President, Congenital Cardiac Anesthesia Society, (2009-2011)

- Co-Chair, Heart Center Peer Review, Lucile Packard Children's Hospital, (2008- present)
- Leadership Council Member, Lucile Packard Children's Hospital, (2012- present)
- Director, Pediatric Cardiac Anesthesia, LPCH, (2001- present)

HONORS AND AWARDS

- President of India's Merit Scholarship, Pondicherry, India (1972)
- Certificate of Merit in Ophthalmology, University of Madras, India (1976)
- University Gold Medal in Surgery, University of Madras, India (1977)
- Certificate of Merit in Pediatric Medicine, University of Madras, India (1978)
- Teacher of the year, Loyola University Medical Center (1989)
- Teacher of the year, Stanford University Medical Center (2003)
- Women of Influence, Silicon Valley Business Journal (2013)

PROFESSIONAL EDUCATION

- Internship: Jawaharlal Institute of Postgraduate Medical Education and Research (1980) India
- Board Certification: Anesthesia, American Board of Anesthesiology (1988)
- Fellowship: Loyola University Medical Center (1988) IL
- Fellowship: Children's Hospital of Michigan (1987) MI
- Fellowship: Children's Hospital (1986) England
- Residency: University of Aberdeen (1985) Scotland
- Residency: Pinderfields General Hospital (1983) United Kingdom
- Medical Education: Jawaharlal Nehru Medical College (1979) India
- M.B., B.S., Jawaharlal Medical Institute , medicine (1977)

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Neuro protection and neurologic outcomes in cardiac patients prior to and concurrent with cardiac surgery and catheterization

CLINICAL TRIALS

- Pharmacokinetics of Ketamine in Infants and Children, Not Recruiting
- Pre-operative Prophylaxis With Vancomycin and Cefazolin in Pediatric Cardiovascular Surgery Patients, Not Recruiting
- Study of Non-Invasive Regional Oxygen Saturations in Pediatric Patients Undergoing Cardiac Catheterization, Not Recruiting

Teaching

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Anesthesia (Fellowship Program)

Publications

PUBLICATIONS

- **Analgesia, Sedation, and Anesthesia for Neonates With Cardiac Disease.** *Pediatrics*
Smith-Parrish, M., Vargas Chaves, D. P., Taylor, K., Achuff, B., Lasa, J. J., Hopper, A., Ramamoorthy, C.
2022; 150 (Suppl 2)

- **Bronchopulmonary Dysplasia.** *Paediatric anaesthesia*
Schmidt, A. R., Ramamoorthy, C.
2021
- **Neurosurgical intervention in children with ventricular assist devices: A single center case series review.** *Paediatric anaesthesia*
Yu, J., Murray, J., Ramamoorthy, C., Chen, S., Lee, S., Ryan, K., Maeda, K., Navaratnam, M.
2021
- **Impact of Modified Anesthesia Management for Pediatric Patients With Williams Syndrome.** *Journal of cardiothoracic and vascular anesthesia*
Schmidt, A. R., Collins, R. T., Adusumelli, Y., Ramamoorthy, C., Weng, Y., MacMillen, K. L., Navaratnam, M.
2021
- **Moyamoya disease in children and its anesthetic implications: A review.** *Paediatric anaesthesia*
Giustini, A. J., Stone, S. A., Ramamoorthy, C.
2020; 30 (11): 1191-1198
- **Moyamoya disease in children and its anesthetic implications: A review** *PEDIATRIC ANESTHESIA*
Giustini, A. J., Stone, S. A., Ramamoorthy, C.
2020
- **Accuracy of a portable pulse oximeter in monitoring hypoxemic infants with cyanotic heart disease.** *Cardiology in the young*
Harris, B. U., Stewart, S., Verma, A., Hoen, H., Stein, M. L., Wright, G., Ramamoorthy, C.
2019: 1–5
- **Pharmacokinetics of Cefazolin and Vancomycin in Infants Undergoing Open-Heart Surgery With Cardiopulmonary Bypass.** *Anesthesia and analgesia*
Ingrande, J., Gutierrez, K., Lemmens, H. J., Verma, A., Nicolau, D. P., Sutherland, C. A., Ramamoorthy, C.
2019; 128 (5): 935–43
- **Pharmacokinetics of Cefazolin and Vancomycin in Infants Undergoing Open-Heart Surgery With Cardiopulmonary Bypass** *ANESTHESIA AND ANALGESIA*
Ingrande, J., Gutierrez, K., Lemmens, H. J., Verma, A., Nicolau, D. P., Sutherland, C. A., Ramamoorthy, C.
2019; 128 (5): 935–43
- **Perioperative echocardiography in children: Is there a role for pediatric cardiac anesthesiologists?** *Paediatric anaesthesia*
Ramamoorthy, C., Lopez, C.
2019; 29 (5): 401–2
- **Assessment of Ketamine Adult Anesthetic Doses in Pediatrics Using Pharmacokinetic Modeling and Simulations** *PHARMACOTHERAPY*
Elkomy, M. H., Alruwaili, N., Elmowafy, M., Shalaby, K., Drover, D. R., Ramamoorthy, C.
2019; 39 (4): 454–62
- **Assessment of Ketamine Adult Anesthetic Doses in Pediatrics using Pharmacokinetic Modeling and Simulations.** *Pharmacotherapy*
Elkomy, M. H., Alruwaili, N., Elmowafy, M., Shalaby, K., Drover, D. R., Ramamoorthy, C.
2019
- **Applying Lessons from an Inaugural Clinical Pathway to Establish a Clinical Effectiveness Program.** *Pediatric quality & safety*
Algaze, C. A., Shin, A. Y., Nather, C., Elgin, K. H., Ramamoorthy, C., Kamra, K., Kipps, A. K., Yarlagadda, V. V., Mafla, M. M., Vashist, T., Krawczeski, C. D., Sharek, P. J.
2018; 3 (6): e115
- **Safety of ferumoxytol in children undergoing cardiac MRI under general anaesthesia.** *Cardiology in the young*
Wise-Faberowski, L., Velasquez, N., Chan, F., Vasanaawala, S., McElhinney, D. B., Ramamoorthy, C.
2018; 28 (7): 916–21
- **LVOT-VTI is a Useful Indicator of Low Ventricular Function in Young Patients.** *Pediatric cardiology*
Navaratnam, M., Pun, R., Ramamoorthy, C., Tacy, T. A.
2017
- **Perioperative management of pediatric en-bloc combined heart-liver transplants: a case series review.** *Paediatric anaesthesia*
Navaratnam, M., Ng, A., Williams, G. D., Maeda, K., Mendoza, J. M., Concepcion, W., Hollander, S. A., Ramamoorthy, C.

2016; 26 (10): 976-986

- **Cognitive Dysfunction in Children with Heart Disease: The Role of Anesthesia and Sedation.** *Congenital heart disease*
Char, D., Ramamoorthy, C., Wise-Faberowski, L.
2016; 11 (3): 221-229
- **Hemodynamic Effects of Phenylephrine, Vasopressin, and Epinephrine in Children With Pulmonary Hypertension: A Pilot Study** *PEDIATRIC CRITICAL CARE MEDICINE*
Siehr, S. L., Feinstein, J. A., Yang, W., Peng, L. F., Ogawa, M. T., Ramamoorthy, C.
2016; 17 (5): 428-437
- **Accuracy of Pulse Oximeters Intended for Hypoxemic Pediatric Patients** *PEDIATRIC CRITICAL CARE MEDICINE*
Harris, B. U., Char, D. S., Feinstein, J. A., Verma, A., Shiboski, S. C., Ramamoorthy, C.
2016; 17 (4): 315-320
- **Accuracy of Pulse Oximeters Intended for Hypoxemic Pediatric Patients.** *Pediatric critical care medicine*
Harris, B. U., Char, D. S., Feinstein, J. A., Verma, A., Shiboski, S. C., Ramamoorthy, C.
2016; 17 (4): 315-320
- **Editorial comment on paper by Naguib, et al. 'A single-center strategy to minimize blood transfusion in neonates and children undergoing cardiac surgery'.** *Paediatric anaesthesia*
Williams, G. D., Ramamoorthy, C.
2015; 25 (5): 442-444
- **Population pharmacokinetics of ketamine in children with heart disease** *INTERNATIONAL JOURNAL OF PHARMACEUTICS*
Elkomy, M. H., Drover, D. R., Hammer, G. B., Galinkin, J. L., Ramamoorthy, C.
2015; 478 (1): 223-231
- **Population pharmacokinetics of ketamine in children with heart disease.** *International journal of pharmaceutics*
Elkomy, M. H., Drover, D. R., Hammer, G. B., Galinkin, J. L., Ramamoorthy, C.
2015; 478 (1): 223-231
- **Factors Contributing to Adverse Perioperative Events in Adults with Congenital Heart Disease: A Structured Analysis of Cases from the Closed Claims Project** *CONGENITAL HEART DISEASE*
Maxwell, B. G., Posner, K. L., Wong, J. K., Oakes, D. A., Kelly, N. E., Domino, K. B., Ramamoorthy, C.
2015; 10 (1): 21-29
- **Home monitoring program reduces interstage mortality after the modified Norwood procedure.** *journal of thoracic and cardiovascular surgery*
Siehr, S. L., Norris, J. K., Bushnell, J. A., Ramamoorthy, C., Reddy, V. M., Hanley, F. L., Wright, G. E.
2014; 147 (2): 718-23 e1
- **Home monitoring program reduces interstage mortality after the modified Norwood procedure** *JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*
Siehr, S. L., Norris, J. K., Bushnell, J. A., Ramamoorthy, C., Reddy, V. M., Hanley, F. L., Wright, G. E.
2014; 147 (2): 718-?
- **Knowledge and Attitudes of Anesthesia Providers about Noncardiac Surgery in Adults with Congenital Heart Disease** *CONGENITAL HEART DISEASE*
Maxwell, B. G., Williams, G. D., Ramamoorthy, C.
2014; 9 (1): 45-53
- **Volatile anesthetic rescue therapy in children with acute asthma: innovative but costly or just costly?*** *Pediatric critical care medicine*
Char, D. S., Ibsen, L. M., Ramamoorthy, C., Bratton, S. L.
2013; 14 (4): 343-350
- **Evaluation of Pediatric Near-Infrared Cerebral Oximeter for Cardiac Disease** *Late-Breaking Clinical Trial Abstract Session on Congenital Heart Surgery at the 48th Annual Meeting of the Society-of-Thoracic-Surgeons / Surgical Motion Picture Session*
Kreeger, R. N., Ramamoorthy, C., Nicolson, S. C., Ames, W. A., Hirsch, R., Peng, L. F., Glatz, A. C., Hill, K. D., Hoffman, J., Tomasson, J., Kurth, C. D.
ELSEVIER SCIENCE INC.2012: 1527-33
- **Cerebral Autoregulation in Neonates with a Hemodynamically Significant Patent Ductus Arteriosus** *JOURNAL OF PEDIATRICS*
Chock, V. Y., Ramamoorthy, C., Van Meurs, K. P.

2012; 160 (6)

- **Perioperative management of the morbidly obese adolescent with heart failure undergoing bariatric surgery** *PEDIATRIC ANESTHESIA*
Maxwell, B. G., Ingrande, J., Rosenthal, D. N., Ramamoorthy, C.
2012; 22 (5): 476-482
- **Congenital heart disease** *PEDIATRIC ANESTHESIA*
Ramamoorthy, C.
2011; 21 (5): 471-472
- **Cerebral Oxygenation during Different Treatment Strategies for a Patent Ductus Arteriosus** *NEONATOLOGY*
Chock, V. Y., Ramamoorthy, C., Van Meurs, K. P.
2011; 100 (3): 233-240
- **Cerebral Oxygen Metabolism During Total Body Flow and Antegrade Cerebral Perfusion at Deep and Moderate Hypothermia** *ARTIFICIAL ORGANS*
Sasaki, T., Boni, L., Riemer, R. K., Yeung, J. T., Ramamoorthy, C., Beckman, R., Gisner, C., Shuttleworth, P., Hanley, F. L., Reddy, V. M.
2010; 34 (11): 980-986
- **Anesthesia-Related Cardiac Arrest in Children with Heart Disease: Data from the Pediatric Perioperative Cardiac Arrest (POCA) Registry** *ANESTHESIA AND ANALGESIA*
Ramamoorthy, C., Haberkern, C. M., Bhananker, S. M., Domino, K. B., Posner, K. L., Campos, J. S., Morray, J. P.
2010; 110 (5): 1376-1382
- **Optimal flow rate for antegrade cerebral perfusion** *JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*
Sasaki, T., Tsuda, S., Riemer, R. K., Ramamoorthy, C., Reddy, V. M., Hanley, F. L.
2010; 139 (3): 530-535
- **Perioperative complications in children with pulmonary hypertension undergoing general anesthesia with ketamine** *PEDIATRIC ANESTHESIA*
Williams, G. D., Maan, H., Ramamoorthy, C., Kamra, K., Bratton, S. L., Bair, E., Kuan, C. C., Hammer, G. B., Feinstein, J. A.
2010; 20 (1): 28-37
- **Deep Brain Hyperthermia While Rewarming from Hypothermic Circulatory Arrest** *41st Annual Meeting of the Society-of-Thoracic-Surgeons*
Amir, G., Ramamoorthy, C., Riemer, R. K., Hanley, F. L., Reddy, V. M.
WILEY-BLACKWELL PUBLISHING, INC.2009: 606-10
- **Appropriate Endotracheal Tube Placement in Children: Don't Throw Away Your Stethoscopes Yet!** *ANESTHESIOLOGY*
Mariano, E. R., Ramamoorthy, C., Hammer, G. B.
2009; 110 (2): 433-434
- **Dynamics of human myocardial progenitor cell Populations in the neonatal period** *ANNALS OF THORACIC SURGERY*
Amir, G., Ma, X., Reddy, V. M., Hanley, F. L., Reinhartz, O., Ramamoorthy, C., Riemer, R. K.
2008; 86 (4): 1311-1320
- **A randomized, controlled trial of aprotinin in neonates undergoing open-heart surgery** *PEDIATRIC ANESTHESIA*
Williams, G. D., Ramamoorthy, C., Pentcheva, K., Boltz, M. G., Kamra, K., Reddy, V. M.
2008; 18 (9): 812-819
- **The effects of dexmedetomidine on cardiac electrophysiology in children** *ANESTHESIA AND ANALGESIA*
Hammer, G. B., Drover, D. R., Cao, H., Jackson, E., Williams, G. D., Ramamoorthy, C., Van Hare, G. F., Niksch, A., Dubin, A. M.
2008; 106 (1): 79-83
- **Ketamine does not increase pulmonary vascular resistance in children with pulmonary hypertension undergoing sevoflurane anesthesia and spontaneous ventilation** *ANESTHESIA AND ANALGESIA*
Williams, G. D., Philip, B. M., Chu, L. F., Boltz, M. G., Kamra, K., Terwey, H., Hammer, G. B., Perry, S. B., Feinstein, J. A., Ramamoorthy, C.
2007; 105 (6): 1578-1584
- **Thoracoscopic repair of a type D esophageal atresia in a newborn with complex congenital heart disease** *JOURNAL OF PEDIATRIC SURGERY*
Rice-Townsend, S., Ramamoorthy, C., Dutta, S.
2007; 42 (9): 1616-1619
- **Anesthesia-related cardiac arrest in children: Update from the Pediatric Perioperative Cardiac Arrest Registry** *ANESTHESIA AND ANALGESIA*

- Bhananker, S. M., Ramamoorthy, C., Geiduschek, J. M., Posner, K. L., Domino, K. B., Haberkern, C. M., Campos, J. S., Morray, J. P.
2007; 105 (2): 344-350
- **Children with cardiomyopathy: complications after noncardiac procedures with general anesthesia** *PEDIATRIC ANESTHESIA*
Kipps, A. K., Ramamoorthy, C., Rosenthal, D. N., Williams, G. D.
2007; 17 (8): 775-781
 - **Outcomes after laparoscopic surgery in neonates with hypoplastic heart left heart syndrome** *JOURNAL OF PEDIATRIC SURGERY*
Slater, B., Rangel, S., Ramamoorthy, C., Abrajano, C., Albanese, C. T.
2007; 42 (6): 1118-1121
 - **Brain monitoring and protection during pediatric cardiac surgery.** *Seminars in cardiothoracic and vascular anesthesia*
Williams, G. D., Ramamoorthy, C.
2007; 11 (1): 23-33
 - **Visual light spectroscopy reflects flow-related changes in brain oxygenation during regional low-flow perfusion and deep hypothermic circulatory arrest** *31st Annual Meeting of the Western-Thoracic-Surgical-Association*
Amir, G., Ramamoorthy, C., Riemer, R. K., Davis, C. R., Hanley, F. L., Reddy, V. M.
MOSBY-ELSEVIER.2006: 1307-13
 - **Scheduling elective pediatric procedures that require anesthesia: The perspective of parents** *ANESTHESIA AND ANALGESIA*
Mariano, E. R., Chu, L. F., Ramamoorthy, C., Macario, A.
2006; 103 (6): 1426-1431
 - **Modified and conventional ultrafiltration during pediatric cardiac surgery: Clinical outcomes compared** *JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*
Williams, G. D., Ramamoorthy, C., Chu, L., Hammer, G. B., Kamra, K., Boltz, M. G., Pentcheva, K., McCarthy, J. P., Reddy, V. M.
2006; 132 (6): 1291-1298
 - **Esophageal saturation during antegrade cerebral perfusion: a preliminary report using visible light spectroscopy** *PEDIATRIC ANESTHESIA*
Heninger, C., Ramamoorthy, C., Amir, G., Kamra, K., Reddy, V. M., Hanley, F. L., Brock-Utne, J. G.
2006; 16 (11): 1133-1137
 - **Images in cardiovascular medicine. Near sudden death from cardiac lipoma in an adolescent.** *Circulation*
Friedberg, M. K., Chang, I. L., Silverman, N. H., Ramamoorthy, C., Chan, F. P.
2006; 113 (21): e778-9
 - **Antegrade cerebral perfusion reduces apoptotic neuronal injury in a neonatal piglet model of cardiopulmonary bypass** *JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*
Chock, V. Y., Amir, G., DAVIS, C. R., Ramamoorthy, C., Riemer, R. K., Ray, D., Giffard, R. G., Reddy, V. M.
2006; 131 (3): 659-665
 - **Cerebral oxygenation in neonatal and pediatric patients during veno-arterial extracorporeal life support** *PEDIATRIC CRITICAL CARE MEDICINE*
Ejike, J. C., Schenkman, K. A., Seidel, K., Ramamoorthy, C., Roberts, J. S.
2006; 7 (2): 154-158
 - **Anesthesia considerations for pediatric thoracic solid organ transplant.** *Anesthesiology clinics of North America*
Williams, G. D., Ramamoorthy, C.
2005; 23 (4): 709-?
 - **Neonatal brain protection and deep hypothermic circulatory arrest: pathophysiology of ischemic neuronal injury and protective strategies** *ANNALS OF THORACIC SURGERY*
Amir, G., Ramamoorthy, C., Riemer, K., Reddy, V. M., Hanley, F. L.
2005; 80 (5): 1955-1964
 - **A comparison of three methods for estimating appropriate tracheal tube depth in children** *PEDIATRIC ANESTHESIA*
Mariano, E. R., Ramamoorthy, C., Chu, L. F., Chen, M., Hammer, G. B.
2005; 15 (10): 846-851
 - **Successful thoracoscopic repair of esophageal atresia with tracheoesophageal fistula in a newborn with single ventricle physiology** *ANESTHESIA AND ANALGESIA*

- Mariano, E. R., Chu, L. F., Albanese, C. T., Ramamoorthy, C.
2005; 101 (4): 1000-1002
- **Anesthetic management of infants with palliated hypoplastic left heart syndrome undergoing laparoscopic Nissen fundoplication** *ANESTHESIA AND ANALGESIA*
Mariano, E. R., Boltz, M. G., Albanese, C. T., Abrajano, C. T., Ramamoorthy, C.
2005; 100 (6): 1631-1633
 - **Postoperative analgesia after spinal blockade in infants and children undergoing cardiac surgery** *ANESTHESIA AND ANALGESIA*
Hammer, G. B., Ramamoorthy, C., Cao, H., Williams, G. D., Boltz, M. G., Kamra, K., Drover, D. R.
2005; 100 (5): 1283-1288
 - **Preliminary results of fetal cardiac bypass in nonhuman primates** *84th Annual Meeting of the American-Association-for-Thoracic-Surgery*
Ikai, A., Riemer, R. K., Ramamoorthy, C., Malhatra, S., Cassorla, L., Amir, G., Hanley, F. L., Reddy, V. M.
MOSBY-ELSEVIER.2005: 175-81
 - **Neurological monitoring for congenital heart surgery** *ANESTHESIA AND ANALGESIA*
Andropoulos, D. B., Stayer, S. A., Diaz, L. K., Ramamoorthy, C.
2004; 99 (5): 1365-1375
 - **Apoptotic neuronal death following deep hypothermic circulatory arrest in piglets** *Annual Meeting of the American-Society-of-Anesthesiologists*
Ditsworth, D., Priestley, M. A., Loepke, A. W., Ramamoorthy, C., McCann, J., Staple, L., Kurth, C. D.
LIPPINCOTT WILLIAMS & WILKINS.2003: 1119-27
 - **Unexpected cardiac arrest among children during surgery: a North American registry to elucidate the incidence and causes of anesthesia related cardiac arrest** *QUALITY & SAFETY IN HEALTH CARE*
Posner, K. L., Geiduschek, J., Haberkern, C. M., Ramamoorthy, C., Hackell, A., Morray, J. P.
2002; 11 (3): 252-257
 - **Effects of inspired hypoxic and hypercapnic gas mixtures on cerebral oxygen saturation in neonates with univentricular heart defects** *Annual Meeting of the American-Society-of-Anesthesiologists*
Ramamoorthy, C., Tabbutt, S., Kurth, C. D., Steven, J. M., Montenegro, L. M., Durning, S., Wernovsky, G., Gaynor, J. W., Spray, T. L., Nicolson, S. C.
LIPPINCOTT WILLIAMS & WILKINS.2002: 283-88
 - **Nasotracheal intubation - A randomized trial of two methods** *ANESTHESIOLOGY*
Elwood, T., Stillions, D. M., Woo, D. W., Bradford, H. M., Ramamoorthy, C.
2002; 96 (1): 51-53
 - **Impact of inspired gas mixtures on preoperative infants with hypoplastic left heart syndrome during controlled ventilation** *CIRCULATION*
Tabbutt, S., Ramamoorthy, C., Montenegro, L. M., Durning, S. M., Kurth, C. D., Steven, J. M., Godinez, R. I., Spray, T. L., Wernovsky, G., Nicolson, S. C.
2001; 104 (12): I159-I164
 - **Anesthesia-related cardiac arrest in children** *71st Annual Meeting of the International-Anesthesia-Research-Society*
Morray, J. P., Geiduschek, J. M., Ramamoorthy, C., Haberkern, C. M., Hackel, A., Caplan, R. A., Domino, K. B., Posner, K., Cheney, F. W.
LIPPINCOTT WILLIAMS & WILKINS.2000: 6-14
 - **Pulmonary function after modified venovenous ultrafiltration in infants: A prospective, randomized trial** *JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*
Keenan, H. T., Thiagarajan, R., Stephens, K. E., Williams, G., Ramamoorthy, C., Lupinetti, F. M.
2000; 119 (3): 501-505
 - **Con: The routine use of aprotinin during pediatric cardiac surgery is not a benefit** *JOURNAL OF CARDIOTHORACIC AND VASCULAR ANESTHESIA*
Williams, G. D., Ramamoorthy, C.
1999; 13 (6): 785-788
 - **Intraoperative transesophageal echocardiography (TEE)** *Journal of the American Society of Echocardiography*
Ramamoorthy, C., Williams, G. D., Lynn, A. M.
1999; 12 (11): 1008-1009
 - **Pro: Transesophageal echocardiography should be routinely used during pediatric open cardiac surgery** *JOURNAL OF CARDIOTHORACIC AND VASCULAR ANESTHESIA*

- Ramamoorthy, C., Lynn, A. M., Stevenson, J. G.
1999; 13 (5): 629-631
- **Coagulation tests during cardiopulmonary bypass correlate with blood loss in children undergoing cardiac surgery** *JOURNAL OF CARDIOTHORACIC AND VASCULAR ANESTHESIA*
Williams, G. D., Bratton, S. L., Riley, E. C., Ramamoorthy, C.
1999; 13 (4): 398-404
 - **Factors associated with blood loss and blood product transfusions: A multivariate analysis in children after open-heart surgery** *ANESTHESIA AND ANALGESIA*
Williams, G. D., Bratton, S. L., Ramamoorthy, C.
1999; 89 (1): 57-64
 - **Efficacy of epsilon-aminocaproic acid in children undergoing cardiac surgery** *JOURNAL OF CARDIOTHORACIC AND VASCULAR ANESTHESIA*
Williams, G. D., Bratton, S. L., Riley, E. C., Ramamoorthy, C.
1999; 13 (3): 304-308
 - **Fibrinolysis in pediatric patients undergoing cardiopulmonary bypass** *JOURNAL OF CARDIOTHORACIC AND VASCULAR ANESTHESIA*
Williams, G. D., Bratton, S. L., Nielsen, N. J., Ramamoorthy, C.
1998; 12 (6): 633-638
 - **Teaching successful central venous cannulation in infants and children: Audio Doppler versus anatomic landmarks** *JOURNAL OF CARDIOTHORACIC AND VASCULAR ANESTHESIA*
Bratton, S. L., Ramamoorthy, C., Eck, J. B., Sorensen, G. K.
1998; 12 (5): 523-526
 - **Association between age and blood loss in children undergoing open heart operations** *ANNALS OF THORACIC SURGERY*
Williams, G. D., Bratton, S. L., Riley, E. C., Ramamoorthy, C.
1998; 66 (3): 870-875
 - **Con: The use of modified ultrafiltration during pediatric cardiovascular surgery is not a benefit** *JOURNAL OF CARDIOTHORACIC AND VASCULAR ANESTHESIA*
Ramamoorthy, C., Lynn, A. M.
1998; 12 (4): 483-485
 - **Pediatric-nasotracheal intubation made atraumatic** *ANESTHESIOLOGY*
Elwood, T., Parker, S., Ramamoorthy, C.
1998; 89 (2): 550-550
 - **Efficacy of peripherally inserted central venous catheters placed in noncentral veins** *ARCHIVES OF PEDIATRICS & ADOLESCENT MEDICINE*
Thiagarajan, R. R., Bratton, S. L., Gettmann, T., Ramamoorthy, C.
1998; 152 (5): 436-439
 - **Endothelial and leukocyte adhesion molecules in inflammation and disease** *XVIth International Congress of the International-Society-of-Thrombosis-and-Haemostasis*
Winn, R., Vedder, N., Ramamoorthy, C., Sharar, S., Harlan, J.
LIPPINCOTT WILLIAMS & WILKINS.1998: S17-S22
 - **Postdural puncture headache in pediatric oncology patients** *CLINICAL PEDIATRICS*
Ramamoorthy, C., Geiduschek, J. M., Bratton, S. L., Miser, A. W., Miser, J. S.
1998; 37 (4): 247-251
 - **Pharmacokinetics and side effects of milrinone in infants and children after open heart surgery** *Feminist Theory and Music 4 Conference*
Ramamoorthy, C., Anderson, G. D., Williams, G. D., Lynn, A. M.
LIPPINCOTT WILLIAMS & WILKINS.1998: 283-89
 - **Comparison of the effects of red cell separation and ultrafiltration on heparin concentration during pediatric cardiac surgery** *JOURNAL OF CARDIOTHORACIC AND VASCULAR ANESTHESIA*
Williams, G. D., Ramamoorthy, C., Totzek, F. R., Oakes, R. L.
1997; 11 (7): 840-844

- **Reversible pulmonary hypertension due to adenotonsillar hypertrophy in a patient for Fontan operation** *CLINICAL PEDIATRICS*
Ramamoorthy, C., Williams, G. D., Stevenson, J. G.
1997; 36 (10): 599-601
- **CD18 adhesion blockade decreases bacterial clearance and neutrophil recruitment after intrapulmonary E-coli, but not after S-aureus** *JOURNAL OF LEUKOCYTE BIOLOGY*
Ramamoorthy, C., Sasaki, S. S., Su, D. L., Sharar, S. R., Harlan, J. M., Winn, R. K.
1997; 61 (2): 167-172
- **Survey of the use of peripherally inserted central venous catheters in children.** *Pediatrics*
Thiagarajan, R. R., Ramamoorthy, C., Gettmann, T., Bratton, S. L.
1997; 99 (2): E4-?
- **Neutrophil adhesion molecule expression is comparable in perinatal rabbits and humans** *1994 Meeting of the Federation of American-Society-for-Experimental-Biology/American-Institute-of-Nutrition/American-Society-of-Clinical-Nutrition*
Ramamoorthy, C., Kovarik, W. D., Winn, R. K., Harlan, J. N., Sharar, S. R.
LIPPINCOTT WILLIAMS & WILKINS.1997: 420-27
- **Survey of the use of peripherally inserted central venous catheters in children** *PEDIATRICS*
Thiagarajan, R. R., Ramamoorthy, C., Gettmann, T., Bratton, S. L.
1997; 99 (2): E41-E44
- **Leukocyte-endothelial cell interactions in ischemia-reperfusion injury** *Conference on Phagocytes - Biological and Clinical Aspects: Biology, Physiology, Pathology and Pharmacotherapeutics*
Winn, R. K., Ramamoorthy, C., Vedder, N. B., Sharar, S. R., Harlan, J. M.
NEW YORK ACAD SCIENCES.1997: 311-321
- **Blocking L-selectin function attenuates reperfusion injury following hemorrhagic shock in rabbits** *AMERICAN JOURNAL OF PHYSIOLOGY-HEART AND CIRCULATORY PHYSIOLOGY*
Ramamoorthy, C., Sharar, S. R., Harlan, J. M., Tedder, T. F., Winn, R. K.
1996; 271 (5): H1871-H1877
- **Hemodynamic effects of amrinone in children after Fontan surgery** *ANESTHESIA AND ANALGESIA*
Sorensen, G. K., Ramamoorthy, C., Lynn, A. M., French, J., Stevenson, J. G.
1996; 82 (2): 241-246
- **AGGRESSIVE HYDRATION DURING CONTINUOUS POSITIVE-PRESSURE VENTILATION RESTORES ATRIAL TRANSMURAL PRESSURE, PLASMA ATRIAL-NATRIURETIC-PEPTIDE CONCENTRATIONS, AND RENAL-FUNCTION** *CRITICAL CARE MEDICINE*
Ramamoorthy, C., Rooney, M. W., Dries, D. J., Mathru, M.
1992; 20 (7): 1014-1019
- **CONTINUOUS EPIDURAL INFUSION WITH 0.08-PERCENT BUPIVACAINE** *ANAESTHESIA*
Tunstall, M. E., Ramamoorthy, C.
1984; 39 (9): 939-940