Stanford



Komal Kamra

Clinical Professor, Anesthesiology, Perioperative and Pain Medicine

CLINICAL OFFICE (PRIMARY)

- **Anesthesia Department**

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  MC 5640

  Stanford, CA 94305

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Bio

CLINICAL FOCUS

- Pediatric anesthesia
- Pediatric cardiac anesthesia
- Clinical Informatics
- Pediatric Anesthesia

ACADEMIC APPOINTMENTS

- Clinical Professor, Anesthesiology, Perioperative and Pain Medicine

ADMINISTRATIVE APPOINTMENTS

- Staff Physician, Anesthesia, (2002-2003)
- Clinical Instructor, Anesthesia, (2003-2004)
- Clinical Assistant Professor, Anesthesia, (2004-2011)
- Clinical Associate Professor, Anesthesia, (2011-2018)
- Clinical Professor, Anesthesia, (2018- present)

PROFESSIONAL EDUCATION

- Internship: Louisiana State University Hospital (1998) LA
- Fellowship: Stanford University Anesthesiology Fellowships (2002) CA
- Residency: University of Wisconsin Anesthesiology Residency (2001) WI
- Residency: Louisiana State University Anesthesiology Residency (1999) LA
- MMI, Northwestern University , Master of Science in Medical Informatics (2014)
- Board Certification: Pediatric Anesthesia, American Board of Anesthesiology (2013)
- Diplomate in Perioperative TEE, NBE , Perioperative TEE (2007)

- Board Certification: Anesthesia, American Board of Anesthesiology (2003)
- MBBS, RNT Medical College-INDIA , Medicine (1995)
- Medical Education: RNT Medical College (1993) India

COMMUNITY AND INTERNATIONAL WORK

- Mission, Madras, India

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Pediatric Cardiac Anesthesia

Transesophageal Echocardiography

Adult Congenital Heart Disease

Clinical Informatics

Teaching

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Anesthesia (Fellowship Program)

Publications

PUBLICATIONS

- **Verifying Facts in Patient Care Documents Generated by Large Language Models Using Electronic Health Records** *NEJM AI*
  Chung, P., et al
  2025; 3 (1)
- **Management of a Pediatric Patient With a Left Ventricular Assist Device and Symptomatic Acquired von Willebrand Syndrome Presenting for Orthotopic Heart Transplant.** *Seminars in cardiothoracic and vascular anesthesia*
  Flannery, K. M., Kamra, K., Maeda, K., Shuttleworth, P., Almond, C., Navaratnam, M.
  2020: 1089253220949386
- **Left ventricular retraining in corrected transposition: Relationship between pressure and mass.** *The Journal of thoracic and cardiovascular surgery*
  Mainwaring, R. D., Patrick, W. L., Arunamata, A., Chan, F., Newman, B., Rosenblatt, T. R., Kamra, K., Hanley, F. L.
  2019
- **Surgical results of unifocalization revision**
  Mainwaring, R. D., Patrick, W. L., Rosenblatt, T. R., Ma, M., Kamra, K., Arunamata, A., Hanley, F. L.
  MOSBY-ELSEVIER.2019: 534–44
- **Role of echocardiography in the assessment of right ventricular function in the pediatric population** *PEDIATRIC ANESTHESIA*
  Kamra, K., Punn, R.
  2019; 29 (5): 530–38
- **Role of echocardiography in the assessment of right ventricular function in the pediatric population.** *Paediatric anaesthesia*
  Kamra, K., Punn, R.
  2019
- **Younger age remains a risk factor for prolonged length of stay after bidirectional cavopulmonary anastomosis.** *Cardiology in the young*
  Koth, A. M., Algaze, C. A., Sakarovitch, C., Long, J., Kamra, K., Wright, G. E., Alexander-Banys, B., Maeda, K., Shin, A. Y.
  2019: 1–6

- **Fibrinogen Concentrate as an Alternative to Cryoprecipitate in a Postcardiopulmonary Transfusion Algorithm in Infants Undergoing Cardiac Surgery: A Prospective Randomized Controlled Trial.** *Anesthesia and analgesia*
  Downey, L. A., Andrews, J. n., Hedlin, H. n., Kamra, K. n., McKenzie, E. D., Hanley, F. L., Williams, G. D., Guzzetta, N. A.
  2019
- **A Prospective Assessment of Optimal Mechanical Ventilation Parameters for Pediatric Catheter Ablation** *PEDIATRIC CARDIOLOGY*
  Janson, C. M., Ceresnak, S. R., Choi, J. M., Dubin, A. M., Motonaga, K. S., Mann, G. E., Kahana, M., Fitz-James, I., Wise-Faberowski, L., Kamra, K., Nappo, L., Trela, A., Pass, et al
  2019; 40 (1): 126–32
- **Surgical results of unifocalization revision.** *The Journal of thoracic and cardiovascular surgery*
  Mainwaring, R. D., Patrick, W. L., Rosenblatt, T. R., Ma, M., Kamra, K., Arunamata, A., Hanley, F. L.
  2018
- **Analysis of achieving an "ideal" outcome following midline unifocalization.** *Asian cardiovascular & thoracic annals*
  Mainwaring, R. D., Patrick, W. L., Rosenblatt, T. R., Nasirov, T., Kamra, K., Hanley, F. L.
  2018: 218492318814079
- **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
- **Surgical algorithm and results for repair of pulmonary atresia with ventricular septal defect and major aortopulmonary collaterals.** *The Journal of thoracic and cardiovascular surgery*
  Mainwaring, R. D., Patrick, W. L., Roth, S. J., Kamra, K., Wise-Faberowski, L., Palmon, M., Hanley, F. L.
  2018
- **Reply to Breschan et al, re 'central venus catheter placement in children'.** *Paediatric anaesthesia*
  Kamra, K., Hammer, G.
  2014; 24 (3): 345-?
- **Central venous catheter placement in children: 'How good is good enough?'** *PEDIATRIC ANESTHESIA*
  Kamra, K., Hammer, G. B.
  2013; 23 (11): 971–73
- **Role of transesophageal echocardiography in the management of pediatric patients with congenital heart disease** *PEDIATRIC ANESTHESIA*
  Kamra, K., Russell, I., Miller-Hance, W. C.
  2011; 21 (5): 479-493
- **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
- **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
- **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
- **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

- **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