

# Stanford

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## Glyn Williams

Professor of Anesthesiology, Perioperative and Pain Medicine (Pediatric) at the Stanford University Medical Center, Emeritus

### CLINICAL OFFICES

- **Dept of Anesthesia**

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### Bio

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### CLINICAL FOCUS

- Anesthesia
- Anesthesia, Pediatric
- Anesthesia, Pediatric Cardiac

### ACADEMIC APPOINTMENTS

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

### HONORS AND AWARDS

- Medical Staff Distinguished Medical Service award, Lucille Packard Children's Hospital, Stanford (2015)

### BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Board Member, Congenital Cardiac Anesthesia Society (2012 - present)

### PROFESSIONAL EDUCATION

- Board Certification: Anesthesia, The Colleges of Medicine of South Africa (1984)
- Fellowship: Childrens Hospital and Regional Medical Center Fellowships (1990) WA
- Residency: University of Natal (1985) South Africa
- Internship: MPILO Hospital (1977) Zimbabwe
- Medical Education: University of Zimbabwe Medical School (1976) Zimbabwe

### Research & Scholarship

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### CLINICAL TRIALS

- Fibrinogen Concentrate vs Cryoprecipitate, Not Recruiting

## Publications

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### PUBLICATIONS

- **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., Hedlin, H., Kamra, K., McKenzie, E. D., Hanley, F. L., Williams, G. D., Guzzetta, N. A.  
2019
- **Epoprostenol Therapy for a Pediatric Patient With Subacute Heparin-Induced Thrombocytopenia and a Ventricular Assist Device Undergoing Heart Transplant: A Case Report** *A & A PRACTICE*  
Navaratnam, M., Williams, G. D., Shuttleworth, P., Almond, C., Maeda, K.  
2018; 11 (12): 329–31
- **Current use of factor concentrates in pediatric cardiac anesthesia.** *Paediatric anaesthesia*  
Guzzetta, N. A., Williams, G. D.  
2017; 27 (7): 678–87
- **Reporting of Perioperative Adverse Events by Pediatric Anesthesiologists at a Tertiary Children's Hospital: Targeted Interventions to Increase the Rate of Reporting.** *Anesthesia and analgesia*  
Williams, G. D., Muffly, M. K., Mendoza, J. M., Wixson, N., Leong, K., Claire, R. E.  
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
- **Anesthesia for Placement of a Paracorporeal Lung Assist Device and Subsequent Heart-Lung Transplantation in a Child with Suprasystemic Pulmonary Hypertension and End-Stage Respiratory Failure.** *A & A case reports*  
Char, D. S., Yarlagadda, V., Maeda, K., Williams, G.  
2016; 6 (10): 308-310
- **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
- **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
- **Administration of ketamine to children with pulmonary hypertension is safe: pro-con debate** **PRO ARGUMENT** *PEDIATRIC ANESTHESIA*  
Williams, G. D.  
2012; 22 (11): 1042-1052
- **Case report: airway and concurrent hemodynamic management in a neonate with oculo-auriculo-vertebral (Goldenhar) syndrome, severe cervical scoliosis, interrupted aortic arch, multiple ventricular septal defects, and an unstable cervical spine** *PEDIATRIC ANESTHESIA*  
Char, D. S., Gipp, M., Boltz, M. G., Williams, G. D.  
2012; 22 (9): 932-934
- **Administration of ketamine to children with pulmonary hypertension is safe: pro-con debate: Pro Argument.** *Paediatric anaesthesia*  
Williams, G. D., Friesen, R. H.  
2012; 22 (11): 1042–52
- **Cardiomyopathy in childhood** *CURRENT OPINION IN ANESTHESIOLOGY*  
Williams, G. D., Hammer, G. B.  
2011; 24 (3): 289-300
- **Perioperative management of low birth weight infants for open-heart surgery** *PEDIATRIC ANESTHESIA*  
Williams, G. D., Cohen, R. S.

2011; 21 (5): 538-553

- **Heterotaxy Syndrome: Implications for Anesthesia Management** *JOURNAL OF CARDIOTHORACIC AND VASCULAR ANESTHESIA*  
Williams, G. D., Feng, A.  
2010; 24 (5): 834-844
- **Undiagnosed Type IIIc Gaucher Disease in a Child With Aortic and Mitral Valve Calcification: Perioperative Complications After Cardiac Surgery** *JOURNAL OF CARDIOTHORACIC AND VASCULAR ANESTHESIA*  
Mireles, S. A., Seybold, J., Williams, G.  
2010; 24 (3): 471-474
- **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
- **Anesthetic management of children with pulmonary arterial hypertension** *PEDIATRIC ANESTHESIA*  
Friesen, R. H., Williams, G. D.  
2008; 18 (3): 208-216
- **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
- **Use of recombinant activated factor VII in children** *PEDIATRIC ANESTHESIA*  
Hammer, G. B., Williams, G. D.  
2007; 17 (12): 1123-1125
- **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
- **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
- **Brain monitoring and protection during pediatric cardiac surgery.** *Seminars in cardiothoracic and vascular anesthesia*  
Williams, G. D., Ramamoorthy, C.  
2007; 11 (1): 23-33
- **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
- **Anesthesia considerations for pediatric thoracic solid organ transplant.** *Anesthesiology clinics of North America*  
Williams, G. D., Ramamoorthy, C.  
2005; 23 (4): 709-?
- **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
- **Abnormal coagulation during pediatric craniofacial surgery** *PEDIATRIC NEUROSURGERY*  
Williams, G. D., Ellenbogen, R. G., Gruss, J. S.  
2001; 35 (1): 5-12

- **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
- **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
- **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