

Stanford

Lisa Wise-Faberowski

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

CLINICAL OFFICES

- **Anesthesia**

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Bio

CLINICAL FOCUS

- Anesthesia

ACADEMIC APPOINTMENTS

- Associate Professor - Med Center Line, Anesthesiology, Perioperative and Pain Medicine
- Member, Bio-X
- Member, Maternal & Child Health Research Institute (MCHRI)

PROFESSIONAL EDUCATION

- Fellowship: Harvard Medical School (2001) MA
- Board Certification: Pediatric Anesthesia, American Board of Anesthesiology (2013)
- Fellowship: University of Florida College of Medicine (1998) FL
- Residency: University of Florida College of Medicine (1996) FL
- Residency: Bowman Gray School of Medicine of Wake Forest University (1993) NC
- Internship: Duke University School of Medicine (1991) NC
- Medical Education: Ohio State University (1990) OH
- Board Certification: Anesthesia, American Board of Anesthesiology (1998)

Research & Scholarship

CLINICAL TRIALS

- The Effect of Anesthesia on Neurodevelopmental Outcome (NDO), Not Recruiting

Publications

PUBLICATIONS

- **Outcomes After Aortopulmonary Window for Hypoplastic Pulmonary Arteries and Dual-Supply Collaterals** *ANNALS OF THORACIC SURGERY*
Bauser-Heaton, H., Ma, M., McElhinney, D. B., Goodyer, W. R., Zhang, Y., Chan, F. P., Asija, R., Shek, J., Wise-Faberowski, L., Hanley, F. L.

2019; 108 (3): 820–27

- **Assessment of the Reconstructed Pulmonary Circulation With Lung Perfusion Scintigraphy After Unifocalization and Repair of Tetralogy of Fallot With Major Aortopulmonary Collaterals.** *World journal for pediatric & congenital heart surgery*
Wise-Faberowski, L., Irvin, M., Lennig, M., Long, J., Nadel, H. R., Bauser-Heaton, H., Asija, R., Hanley, F. L., McElhinney, D. B.
2019; 10 (3): 313–20
- **Preoperative Laboratory Studies for Pediatric Cardiac Surgery Patients: A Multi-Institutional Perspective** *ANESTHESIA AND ANALGESIA*
Jones, S. E., Jooste, E. H., Gottlieb, E. A., Schwartz, J., Goswami, D., Gautam, N. K., Benkwitz, C., Downey, L. A., Guzzetta, N. A., Zabala, L., Latham, G. J., Faraoni, D., Navaratnam, et al
2019; 128 (5): 1051–54
- **Tetralogy of Fallot: Everything you wanted to know but were afraid to ask** *PEDIATRIC ANESTHESIA*
Wise-Faberowski, L., Asija, R., McElhinney, D. B.
2019; 29 (5): 475–82
- **Assessment of the Reconstructed Pulmonary Circulation With Lung Perfusion Scintigraphy After Unifocalization and Repair of Tetralogy of Fallot With Major Aortopulmonary Collaterals** *WORLD JOURNAL FOR PEDIATRIC AND CONGENITAL HEART SURGERY*
Wise-Faberowski, L., Irvin, M., Lennig, M., Long, J., Nadel, H. R., Bauser-Heaton, H., Asija, R., Hanley, F. L., McElhinney, D. B.
2019; 10 (3): 313–20
- **Outcomes After Aortopulmonary Window for Hypoplastic Pulmonary Arteries and Dual-Supply Collaterals.** *The Annals of thoracic surgery*
Bauser-Heaton, H., Ma, M., McElhinney, D. B., Goodyer, W. R., Zhang, Y., Chan, F. P., Asija, R., Shek, J., Wise-Faberowski, L., Hanley, F. L.
2019
- **Repair of Untreated Older Patients With Tetralogy of Fallot With Major Aortopulmonary Collaterals** *ANNALS OF THORACIC SURGERY*
Vaikunth, S. S., Bauser-Heaton, H., Lui, G. K., Wise-Faberowski, L., Chan, F. P., Asija, R., Hanley, F. L., McElhinney, D. B.
2019; 107 (4): 1218–25
- **Preoperative Laboratory Studies for Pediatric Cardiac Surgery Patients: A Multi-Institutional Perspective.** *Anesthesia and analgesia*
Jones, S. E., Jooste, E. H., Gottlieb, E. A., Schwartz, J., Goswami, D., Gautam, N. K., Benkwitz, C., Downey, L. A., Guzzetta, N. A., Zabala, L., Latham, G. J., Faraoni, D., Navaratnam, et al
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
- **Pulmonary hemorrhage in children with Alagille syndrome undergoing cardiac catheterization.** *Catheterization and cardiovascular interventions : official journal of the Society for Cardiac Angiography & Interventions*
Adamson, G. T., Peng, L. F., Feinstein, J. A., Yarlagadda, V. V., Lin, A., Wise-Faberowski, L., McElhinney, D. B.
2019
- **Assessment of airway abnormalities in patients with tetralogy of Fallot, pulmonary atresia, and major aortopulmonary collaterals.** *Cardiology in the young*
Wise-Faberowski, L., Irvin, M., Sidell, D. R., Rajashekara, S., Asija, R., Chan, F. P., Hanley, F. L., McElhinney, D. B.
2019: 1–5
- **Outcomes After Initial Unifocalization to a Shunt in Complex Tetralogy of Fallot with MAPCAs.** *The Annals of thoracic surgery*
Bauser-Heaton, H., Ma, M., Wise-Faberowski, L., Asija, R., Shek, J., Zhang, Y., Peng, L. F., Sidell, D. R., Hanley, F. L., McElhinney, D. B.
2019
- **Tetralogy of Fallot: Everything You Wanted to Know but Were Afraid to Ask.** *Paediatric anaesthesia*
Wise-Faberowski, L., Asija, R., McElhinney, D. B.
2018
- **Repair of Untreated Older Patients with Tetralogy of Fallot with Major Aortopulmonary Collaterals.** *The Annals of thoracic surgery*
Vaikunth, S., Bauser-Heaton, H., Lui, G. K., Wise-Faberowski, L., Chan, F. P., Asija, R., Hanley, F. L., McElhinney, D. B.
2018
- **Deletion of 22q11 chromosome is associated with postoperative morbidity after unifocalisation surgery - CORRIGENDUM.** *Cardiology in the young*

- Koth, A., Sidell, D., Bauser-Heaton, H., Wise-Faberowski, L., Hanley, F. L., McElhinney, D. B., Asija, R.
2018; 1
- **Surgical algorithm and results for repair of pulmonary atresia with ventricular septal defect and major aortopulmonary collaterals** *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; 156 (3): 1194–1204
 - **Deletion of 22q11 chromosome is associated with postoperative morbidity after unifocalisation surgery.** *Cardiology in the young*
Koth, A., Sidell, D., Bauser-Heaton, H., Wise-Faberowski, L., Hanley, F. L., McElhinney, D. B., Asija, R.
2018: 1–4
 - **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
 - **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
 - **An unexpected case of post-operative superior caval vein syndrome.** *Cardiology in the young*
Peng, L., Wise-Faberowski, L.
2018; 28 (6): 879–81
 - **An unexpected case of post-operative superior caval vein syndrome** *CARDIOLOGY IN THE YOUNG*
Peng, L., Wise-Faberowski, L.
2018; 28 (6): 879–81
 - **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
 - **Interstage evaluation of homograft-valved right ventricle to pulmonary artery conduits for palliation of hypoplastic left heart syndrome** *JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*
Sandeep, N., Punn, R., Balasubramanian, S., Smith, S. N., Reinhartz, O., Zhang, Y., Wright, G. E., Peng, L. F., Wise-Faberowski, L., Hanley, F. L., McElhinney, D. B.
2018; 155 (4): 1747–+
 - **Pulmonary reinterventions after complete unifocalization and repair in infants and young children with tetralogy of Fallot with major aortopulmonary collaterals** *JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*
Bauser-Heaton, H., Borquez, A., Asija, R., Wise-Faberowski, L., Zhang, Y., Downey, L., Perry, S. B., Koth, A., Peng, L. F., Algaze, C. A., Hanley, F. L., McElhinney, D. B.
2018; 155 (4): 1696–1707
 - **Anesthetic Management During Surgery for Tetralogy of Fallot With Pulmonary Atresia and Major Aortopulmonary Collateral Arteries** *WORLD JOURNAL FOR PEDIATRIC AND CONGENITAL HEART SURGERY*
Quinonez, Z. A., Downey, L., Abbasi, R. K., Kuan, C., Asija, R., McElhinney, D. B., Hanley, F. L., Mainwaring, R. D., Wise-Faberowski, L.
2018; 9 (2): 236–41
 - **Selected 2016 Highlights in Congenital Cardiac Anesthesia** *JOURNAL OF CARDIOTHORACIC AND VASCULAR ANESTHESIA*
Resheidat, A., Quinonez, Z. A., Mossad, E. B., Wise-Faberowski, L., Mittnacht, A. C.
2017; 31 (6): 1927–33
 - **Bronchoscopy in children with tetralogy of fallot, pulmonary atresia, and major aortopulmonary collaterals.** *Pediatric pulmonology*
Sidell, D. R., Koth, A. M., Bauser-Heaton, H., McElhinney, D. B., Wise-Faberowski, L., Tracy, M. C., Hanley, F. L., Asija, R.
2017
 - **Programmatic Approach to Management of Tetralogy of Fallot With Major Aortopulmonary Collateral Arteries A 15-Year Experience With 458 Patients** *CIRCULATION-CARDIOVASCULAR INTERVENTIONS*

- Bausser-Heaton, H., Borquez, A., Han, B., Ladd, M., Asija, R., Downey, L., Koth, A., Algaze, C. A., Wise-Faberowski, L., Perry, S. B., Shin, A., Peng, L. F., Hanley, et al
2017; 10 (4)
- **Acute Kidney Injury in Patients Undergoing the Extracardiac Fontan Operation With and Without the Use of Cardiopulmonary Bypass** *PEDIATRIC CRITICAL CARE MEDICINE*
Algaze, C. A., Koth, A. M., Faberowski, L. W., Hanley, F. L., Krawczeski, C. D., Axelrod, D. M.
2017; 18 (1): 34-43
 - **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
 - **Anesthetic and Sedative Neurotoxicity in the Patient with Congenital Heart Disease** *ANESTHESIA FOR CONGENITAL HEART DISEASE, 3RD EDITION*
Levy, R. J., Wise-Faberowski, L., Andropoulos, D. B., Andropoulos, D. B., Stayer, S., Mossad, E. B., MillerHance, W. C.
2015: 184-98
 - **Management of high-risk reentry sternotomy in an infant for repair of a giant pseudoaneurysm of the right ventricular outflow tract.** *Annals of cardiac anaesthesia*
Maxwell, B. G., Wise-Faberowski, L.
2014; 17 (1): 59-61
 - **Anesthesia and the developing brain: relevance to the pediatric cardiac surgery.** *Brain sciences*
Wise-Faberowski, L., Quinonez, Z. A., Hammer, G. B.
2014; 4 (2): 295-310
 - **Acute and sustained isoflurane neuroprotection: The effect of culture age and duration of oxygen and glucose deprivation** *BRAIN INJURY*
Wise-Faberowski, L., Osorio-Lujan, S.
2013; 27 (4): 444-453
 - **Anesthesia during surgical repair for congenital heart disease and the developing brain: neurotoxic or neuroprotective?** *PEDIATRIC ANESTHESIA*
Wise-Faberowski, L., Loepke, A.
2011; 21 (5): 554-559
 - **The effect of sevoflurane on neuronal degeneration and GABAA subunit composition in a developing rat model of organotypic hippocampal slice cultures.** *Journal of neurosurgical anesthesiology*
Piehl, E., Foley, L., Barron, M., D'Ardenne, C., Guillod, P., Wise-Faberowski, L.
2010; 22 (3): 220-29
 - **Society for Pediatric Anesthesia/American Academy of Pediatrics/Congenital Cardiac Anesthesia Society: winter meeting review.** *Anesthesia and analgesia*
Ross, A. K., Ahmed, Z., Wise-Faberowski, L., Flack, S., Gooden, C., Houck, C. S., Malviya, S., Monitto, C., Olutoye, O. A., Polaner, D., Reynolds, P., Valley, R.
2010; 110 (1): 266-71
 - **Oxygen and glucose deprivation in an organotypic hippocampal slice model of the developing rat brain: the effects on N-methyl-D-aspartate subunit composition.** *Anesthesia and analgesia*
Wise-Faberowski, L., Robinson, P. N., Rich, S., Warner, D. S.
2009; 109 (1): 205-10
 - **Effect of lipophilicity of Mn (III) ortho N-alkylpyridyl- and diortho N, N'-diethylimidazolylporphyrins in two in-vitro models of oxygen and glucose deprivation-induced neuronal death.** *Free radical research*
Wise-Faberowski, L., Warner, D. S., Spasojevic, I., Batinic-Haberle, I.
2009; 43 (4): 329-39
 - **NMDA-induced apoptosis in mixed neuronal/glia cortical cell cultures: the effects of isoflurane and dizocilpine.** *Journal of neurosurgical anesthesiology*
Wise-Faberowski, L., Pearlstein, R. D., Warner, D. S.
2006; 18 (4): 240-46
 - **Isoflurane-induced neuronal degeneration: an evaluation in organotypic hippocampal slice cultures.** *Anesthesia and analgesia*
Wise-Faberowski, L., Zhang, H., Ing, R., Pearlstein, R. D., Warner, D. S.
2005; 101 (3): 651-57, table of contents

- **Utility of airway exchange catheters in pediatric patients with a known difficult airway.** *Pediatric critical care medicine : a journal of the Society of Critical Care Medicine and the World Federation of Pediatric Intensive and Critical Care Societies*
Wise-Faberowski, L., Nargoizian, C.
2005; 6 (4): 454–56
- **Apoptosis is not enhanced in primary mixed neuronal/glial cultures protected by isoflurane against N-methyl-D-aspartate excitotoxicity.** *Anesthesia and analgesia*
Wise-Faberowski, L., Aono, M., Pearlstein, R. D., Warner, D. S.
2004; 99 (6): 1708–14, table of contents
- **Perioperative management of diabetes insipidus in children [corrected].** *Journal of neurosurgical anesthesiology*
Wise-Faberowski, L., Soriano, S. G., Ferrari, L., McManus, M. L., Wolfsdorf, J. I., Majzoub, J., Scott, R. M., Truog, R., Rockoff, M. A.
2004; 16 (1): 14–19
- **Perioperative management of diabetes insipidus in children.** *Journal of neurosurgical anesthesiology*
Wise-Faberowski, L., Soriano, S. G., Ferrari, L., McManus, M. L., Wolfsdorf, J. I., Majzoub, J., Scott, R. M., Truog, R., Rockoff, M. A.
2004; 16 (3): 220–25
- **Desflurane and sevoflurane attenuate oxygen and glucose deprivation-induced neuronal cell death.** *Journal of neurosurgical anesthesiology*
Wise-Faberowski, L., Raizada, M. K., Summers, C.
2003; 15 (3): 193–99
- **Oxygen and glucose deprivation-induced neuronal apoptosis is attenuated by halothane and isoflurane.** *Anesthesia and analgesia*
Wise-Faberowski, L., Raizada, M. K., Summers, C.
2001; 93 (5): 1281–87
- **Intraoperative cardiac arrest in a neurosurgical patient: what are the options?** *Journal of neurosurgical anesthesiology*
Faberowski, L. W., Gravenstein, D.
2000; 12 (1): 57–59
- **Incidence of venous air embolism during craniectomy for craniosynostosis repair.** *Anesthesiology*
Faberowski, L. W., Black, S., Mickle, J. P.
2000; 92 (1): 20–23
- **Somatosensory-evoked potentials during aortic coarctation repair.** *Journal of cardiothoracic and vascular anesthesia*
Faberowski, L. W., Black, S., Trankina, M. F., Pollard, R. J., Clark, R. K., Mahla, M. E.
1999; 13 (5): 538–43
- **Spinal anesthesia for nonpulmonary surgery in a lung transplant recipient.** *Journal of neurosurgical anesthesiology*
Faberowski, L. W., Mahla, M. E., Gravenstein, N.
1999; 11 (1): 46–48
- **Blood loss and transfusion practice in the perioperative management of craniosynostosis repair.** *Journal of neurosurgical anesthesiology*
Faberowski, L. W., Black, S., Mickle, J. P.
1999; 11 (3): 167–72
- **A randomized trial of the effect of midazolam on intraocular pressure.** *Journal of glaucoma*
Carter, K., Faberowski, L. K., Sherwood, M. B., Berman, L. S., McGorray, S.
1999; 8 (3): 204–7
- **The imposed work of breathing is less with the laryngeal mask airway compared with endotracheal tubes.** *Anesthesia and analgesia*
Faberowski, L. W., Banner, M. J.
1999; 89 (3): 644–46