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- Clinical Professor, Anesthesiology, Perioperative and Pain Medicine
- Clinical Professor, Pediatrics - Cardiology

CLINICAL OFFICE (PRIMARY)

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ACADEMIC CONTACT INFORMATION

- **Pediatric Anesthesiology Admins**

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Bio

CLINICAL FOCUS

- Pediatric Anesthesia

ACADEMIC APPOINTMENTS

- Clinical Professor, Anesthesiology, Perioperative and Pain Medicine
- Clinical Professor, Pediatrics - Cardiology

PROFESSIONAL EDUCATION

- Board Certification: Pediatric Critical Care Medicine, American Board of Pediatrics (2018)
- Board Certification, American Board of Anesthesiology , Pediatric Anesthesiology (2013)
- Board Certification, American Board of Pediatrics , Pediatric Critical Care Medicine (1998)
- Board Certification, American Board of Anesthesiology , Anesthesiology (1996)
- Board Certification, American Board of Internal Medicine , Internal Medicine (1995)
- Board Certification, American Board of Pediatrics , Pediatrics (1993)
- Fellowship, Johns Hopkins School of Medicine , Pediatric Anesthesiology-PICU Fellowship (1997)
- Residency, Johns Hopkins School of Medicine , Anesthesiology Residency (1995)
- Residency, Baylor College of Medicine , Internal Medicine-Pediatrics Residency (1992)
- M.D., University of Michigan Medical School , Medicine (1988)

Publications

PUBLICATIONS

- **Reviewing "Nil Per Os" Guidance for Clear Fluids in Children Before Anesthesia: Survey of the Pediatric Anesthesia Leadership Council.** *Anesthesia and analgesia*
Dalal, P. G., Malviya, S., Cravero, J., Fehr, J.

2024

- **Oral Health Care for Children and Youth With Developmental Disabilities: Clinical Report.** *Pediatrics*
Sarvas, E., Webb, J., Landrigan-Ossar, M., Yin, L., SECTION ON ORAL HEALTH, COUNCIL ON CHILDREN WITH DISABILITIES, COMMITTEE ON PEDIATRIC EMERGENCY MEDICINE, Karp, J. M., Beyer, E. L., Brooks, C., Feldman, L. M., Kimball, C. E., Tate, A. R., Sokal-Gutierrez, K., et al
2024
- **Hydroxyurea to prevent brain injury in children with sickle cell disease (HU Prevent)-A randomized, placebo-controlled phase II feasibility/pilot study.** *American journal of hematology*
Casella, J. F., Furstenuau, D. K., Adams, R. J., Brambilla, D. J., Lebensburger, J. D., Fehr, J. J., Jordan, L. C., King, A. A., Ichord, R. N., McKinstry, R. C., Kraut, M. A., Shaw, D. W., White, et al
2024
- **Visualizing Opioid-Use Variation in a Pediatric Perioperative Dashboard.** *Applied clinical informatics*
Safranek, C. W., Feitzinger, L., Joyner, A. K., Woo, N., Smith, V., Souza, E. D., Vasilakis, C., Anderson, T. A., Fehr, J., Shin, A. Y., Scheinker, D., Wang, E., Xie, et al
2022; 13 (2): 370-379
- **2022 Society of Critical Care Medicine Clinical Practice Guidelines on Prevention and Management of Pain, Agitation, Neuromuscular Blockade, and Delirium in Critically Ill Pediatric Patients With Consideration of the ICU Environment and Early Mobility.** *Pediatric critical care medicine : a journal of the Society of Critical Care Medicine and the World Federation of Pediatric Intensive and Critical Care Societies*
Smith, H. A., Besunder, J. B., Betters, K. A., Johnson, P. N., Srinivasan, V., Stormorken, A., Farrington, E., Golianu, B., Godshall, A. J., Acinelli, L., Almgren, C., Bailey, C. H., Boyd, et al
1800; 23 (2): e74-e110
- **Pre-operative fasting times for clear liquids at a tertiary children's hospital; what can be improved?** *Anesthesia and pain medicine*
Schmidt, A. R., Fehr, J., Man, J., D'Souza, G., Wang, E., Claire, R., Mendoza, J.
2021
- **The Immunologic Effect of Early Intravenous Two and Four Gram Bolus Dosing of Tranexamic Acid Compared to Placebo in Patients With Severe Traumatic Bleeding (TAMPITI): A Randomized, Double-Blind, Placebo-Controlled, Single-Center Trial** *FRONTIERS IN IMMUNOLOGY*
Spinella, P. C., Thomas, K. A., Turnbull, I. R., Fuchs, A., Bochicchio, K., Schuerer, D., Reese, S., Coleoglou Centeno, A. A., Horn, C. B., Baty, J., Shea, S. M., Meledeo, M., Pusateri, et al
2020; 11: 2085
- **The Current State of Combined Pediatric Anesthesiology-Critical Care Practice: A Survey of Dual-Trained Practitioners in the United States.** *Anesthesia and analgesia*
Welch, T. P., Kilbaugh, T. J., McCloskey, J. J., Juriga, L. L., Abdallah, A. B., Fehr, J. J.
2020
- **Perioperative Management of Pediatric Patients With Type 1 Diabetes Mellitus, Updated Recommendations for Anesthesiologists** *ANESTHESIA AND ANALGESIA*
Martin, L. D., Hoagland, M. A., Rhodes, E. T., Wolfsdorf, J. I., Hamrick, J. L., Soc Pediat Anesthesia Quality Saf
2020; 130 (4): 821-27
- **Distraction-Free Zones Need to be Respected** *ANESTHESIA AND ANALGESIA*
Brustowicz, R. M., Fehr, J., Clebone, A., Malviya, S.
2020; 130 (4): E112-E113
- **Individualized simulations in a time of social distancing: Learning on donning and doffing of an COVID-19 airway response team.** *Journal of clinical anesthesia*
Rama, A. n., Murray, A. n., Fehr, J. n., Tsui, B. n.
2020; 67: 110019
- **Pediatric-Oncology Simulation Training for Resident Education.** *BMJ simulation & technology enhanced learning*
Smink, G. M., Jeffe, D. B., Hayashi, R. J., Al-Hammadi, N., Fehr, J. J.
2019; 5 (3): 155-60
- **Massive Fetal Transfusion During an Emergency Ex Utero Intrapartum Treatment for a Congenital Infantile Fibrosarcoma: A Case Report.** *A&A practice*
Oster, A. S., Reina, E., Fehr, J. J., Moore, R. P., Cox, T. E., George, P.
2019

- **THE CURRENT STATE OF COMBINED PEDIATRIC ANESTHESIOLOGY AND CRITICAL CARE MEDICINE: A SURVEY OF DUAL-TRAINED PRACTITIONERS IN THE UNITED STATES**
Fehr, J., Welch, T. P., Kilbaugh, T. J., Mccloskey, J. J., Juriga, L., Ben Abdallah, A.
LIPPINCOTT WILLIAMS & WILKINS.2019: 320
- **In Response. *Anesthesia and analgesia***
Clebone, A., Strupp, K. M., Fehr, J., Burian, B. K.
2019
- **Developing a risk-based composite neurologic outcome for a trial of hydroxyurea in young children with sickle cell disease *CLINICAL TRIALS***
Casella, J. F., Adams, R. J., Brambilla, D. J., Strouse, J. J., Maier, P., Dlugash, R., Avadhani, R., Vermillion, K., Tonascia, J., Voeks, J. H., Hanley, D. F., Thompson, R. E., Lehmann, et al
2019; 16 (1): 20–31
- **In Response. *Anesthesia and analgesia***
Clebone, A. n., Strupp, K. M., Fehr, J. n., Burian, B. K.
2019; 129 (6): e198–e199
- **Development and Usability Testing of the Society for Pediatric Anesthesia Pedi Crisis Mobile Application. *Anesthesia and analgesia***
Clebone, A. n., Strupp, K. M., Whitney, G. n., Anderson, M. R., Hottle, J. n., Fehr, J. n., Yaster, M. n., Schleelein, L. E., Burian, B. K., Galvez, J. A., Lockman, J. L., Polaner, D. n., Barnett, et al
2019; 129 (6): 1635–44
- **Development and Usability Testing of the Society for Pediatric Anesthesia Pedi Crisis Mobile Application. *Anesthesia and analgesia***
Clebone, A., Strupp, K. M., Whitney, G., Anderson, M. R., Hottle, J., Fehr, J., Yaster, M., Schleelein, L. E., Burian, B. K., Galvez, J. A., Lockman, J. L., Polaner, D., Barnett, et al
2018
- **Clinical Practice Guideline: Maintenance Intravenous Fluids in Children *PEDIATRICS***
Feld, L. G., Neuspiel, D. R., Foster, B. A., Leu, M. G., Garber, M. D., Austin, K., Basu, R. K., Conway, E. E., Fehr, J. J., Hawkins, C., Kaplan, R. L., Rowe, E. V., Waseem, et al
2018; 142 (6)
- **Clinical Practice Guideline: Maintenance Intravenous Fluids in Children. *Pediatrics***
Feld, L. G., Neuspiel, D. R., Foster, B. A., Leu, M. G., Garber, M. D., Austin, K., Basu, R. K., Conway, E. E., Fehr, J. J., Hawkins, C., Kaplan, R. L., Rowe, E. V., Waseem, et al
2018
- **Simulation and the diagnostic process: a pilot study of trauma and rapid response teams *DIAGNOSIS***
Juriga, L. L., Murray, D. J., Boulet, J. R., Fehr, J. J.
2017; 4 (4): 241–49
- **ECMO for Pediatric Lung Transplantation *ASAIO JOURNAL***
Olsen, M. C., Anderson, M. J., Fehr, J. J., Christensen, J. L., Shepard, M. P., Poe, J. B., Egtesady, P.
2017; 63 (6): E77–E80
- **The Simulation-Based Assessment of Pediatric Rapid Response Teams *JOURNAL OF PEDIATRICS***
Fehr, J. J., McBride, M. E., Boulet, J. R., Murray, D. J.
2017; 188: 258+
- **Emergency Information Forms for Children With Medical Complexity: A Simulation Study *PEDIATRICS***
Abraham, G., Fehr, J., Ahmad, F., Jeffe, D. B., Copper, T., Yu, F., White, A. J., Auerbach, M., Schnadower, D.
2016; 138 (2)
- **Simulation-Based Assessment of ECMO Clinical Specialists *SIMULATION IN HEALTHCARE-JOURNAL OF THE SOCIETY FOR SIMULATION IN HEALTHCARE***
Fehr, J. J., Shepard, M., McBride, M. E., Mehegan, M., Reddy, K., Murray, D. J., Boulet, J. R.
2016; 11 (3): 194–99
- **Summer camp, boot camp, and the formation of a new fellow *PEDIATRIC ANESTHESIA***

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- Fehr, J. J., Kuan, C.
2016; 26 (5): 466–67
- **The important role of simulation in sedation** *CURRENT OPINION IN ANESTHESIOLOGY*
Fehr, J. J., Chao, J., Kuan, C., Zhong, J.
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 - **Decision Making in Trauma Settings Simulation to Improve Diagnostic Skills** *SIMULATION IN HEALTHCARE-JOURNAL OF THE SOCIETY FOR SIMULATION IN HEALTHCARE*
Murray, D. J., Freeman, B. D., Boulet, J. R., Woodhouse, J., Fehr, J. J., Klingensmith, M. E.
2015; 10 (3): 139–45
 - **Paracorporeal lung assist device: An innovative surgical strategy for bridging to lung transplant in an infant with severe pulmonary hypertension caused by alveolar capillary dysplasia** *JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*
Boston, U. S., Fehr, J., Gazit, A. Z., Eghtesady, P.
2013; 146 (4): E42–E43
 - **Acute care of pediatric patients with sickle cell disease: A simulation performance assessment** *PEDIATRIC BLOOD & CANCER*
Burns, T. L., DeBaun, M. R., Boulet, J. R., Murray, G. M., Murray, D. J., Fehr, J. J.
2013; 60 (9): 1492–98
 - **Simulation-Based Education Is an Effective Teaching Tool for Pediatric Trainees, in the Diagnosis and Management of Pediatric Anaphylaxis**
Miller, N., Fehr, J., White, A., Bacharier, L. B., Ellis, A. G.
MOSBY-ELSEVIER.2013: AB221
 - **Simulation in pediatric anesthesia** *PEDIATRIC ANESTHESIA*
Fehr, J. J., Honkanen, A., Murray, D. J.
2012; 22 (10): 988-994
 - **Is Simulation the Best Way to Assess Pediatric Anesthesia Skills? Reply** *ANESTHESIOLOGY*
Fehr, J. J., Murray, D. J.
2012; 117 (1): 220
 - **Simulation-based Assessment of Pediatric Anesthesia Skills** *ANESTHESIOLOGY*
Fehr, J. J., Boulet, J. R., Waldrop, W. B., Snider, R., Brockel, M., Murray, D. J.
2011; 115 (6): 1308–15
 - **Perioperative management of the pediatric cardiac transplantation patient.** *Current treatment options in cardiovascular medicine*
Gazit, A. Z., Fehr, J.
2011; 13 (5): 425–43
 - **Simulation in Pediatrics: The Reliability and Validity of a Multiscenario Assessment** *PEDIATRICS*
McBride, M. E., Waldrop, W. B., Fehr, J. J., Boulet, J. R., Murray, D. J.
2011; 128 (2): 335–43
 - **Care of the Pediatric Cardiac Surgery Patient-Part 2** *CURRENT PROBLEMS IN SURGERY*
Gazit, A. Z., Huddleston, C. B., Checchia, P. A., Fehr, J., Pezzella, A.
2010; 47 (4): 261–376