

Stanford



Billie-Jean Martin

Clinical Assistant Professor, Cardiothoracic Surgery

CLINICAL OFFICE (PRIMARY)

- **Cardiothoracic Surgery**

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Bio

CLINICAL FOCUS

- Thoracic and Cardiac Surgery

ACADEMIC APPOINTMENTS

- Clinical Assistant Professor, Cardiothoracic Surgery
- Member, Cardiovascular Institute

PROFESSIONAL EDUCATION

- Fellowship: University of Alberta Cardiology Fellowships (2017) Canada
- Fellowship: UCSF Adult Congenital Cardiac Fellowship (2015) CA
- Board Certification: Cardiovascular Surgery, Royal College of Physicians and Surgeons of Canada (2014)
- Residency: University of Calgary Cardiac Surgery Residency (2014) Canada
- Residency: Dalhousie University Cardiac Surgery Residency (2009) Canada
- Medical Education: University of Alberta (2005) Canada

LINKS

- Stanford Department of Cardiothoracic Surgery: <http://med.stanford.edu/ctsurgery.html>
- Stanford Adult Cardiac Services: <http://med.stanford.edu/ctsurgery/clinical-care/adult-cardiac-surgery-services.html>

Publications

PUBLICATIONS

- **Tricuspid regurgitation in Hypoplastic Left Heart Syndrome: Three-dimensional echocardiography provides additional information in describing jet location.** *Journal of the American Society of Echocardiography : official publication of the American Society of Echocardiography*
Mah, K., Khoo, N. S., Tham, E., Yaskina, M., Maruyama, M., Martin, B., Alvarez, S., Alami, N., Rebeyka, I. M., Smallhorn, J., Colen, T.
2020

- **Functional Popliteal Artery Entrapment Syndrome as a Mimicker of Musculoskeletal, Rheumatologic, and Myofascial Lower Extremity Pain**
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- **Predicting Post-Fontan Length of Stay: The Limits of Measured Variables.** *Pediatric cardiology*
Martin, B., McBrien, A., Marchak, B. E., Atallah, J., Al Aklabi, M., Mackie, A. S.
2019
- **Cardiac rehabilitation in people with peripheral arterial disease: A higher risk population that benefits from completion** *INTERNATIONAL JOURNAL OF CARDIOLOGY*
Devrme, A. N., Aggarwal, S., McMurtry, M., Southern, D., Hauer, T., Lamb, B., Arena, R., Moore, R. D., Wilton, S. B., Stone, J., Martin, B.
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- **Neonatal Tracheal and Intracardiac Repair in a High-Risk Premature Infant Requiring Preoperative ECMO Transport** *WORLD JOURNAL FOR PEDIATRIC AND CONGENITAL HEART SURGERY*
Martin, B., Holinski, P., Noga, M., El-Hakim, H., Al Aklabi, M.
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- **Cardiac rehabilitation in people with peripheral arterial disease: A higher risk population that benefits from completion.** *International journal of cardiology*
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2019
- **Driveline Site Is Not a Predictor of Infection After Ventricular Assist Device Implantation** *ASAIO JOURNAL*
Martin, B., Luc, J. Y., Maruyama, M., MacArthur, R., Bates, A. R., Buchholz, H., Freed, D. H., Conway, J.
2018; 64 (5): 616–22
- **Driveline Site Is Not a Predictor of Infection After Ventricular Assist Device Implantation.** *ASAIO journal (American Society for Artificial Internal Organs : 1992)*
Martin, B., Luc, J. G., Maruyama, M., MacArthur, R., Bates, A. R., Buchholz, H., Freed, D. H., Conway, J.
2018; 64 (5): 616–22
- **Factors Associated With Cardiorespiratory Fitness at Completion of Cardiac Rehabilitation: Identification of Specific Patient Features Requiring Attention** *CANADIAN JOURNAL OF CARDIOLOGY*
Laddu, D., Ozemek, C., Lamb, B., Hauer, T., Aggarwal, S., Stone, J. A., Arena, R., Martin, B.
2018; 34 (7): 925–32
- **Deterioration of functional abilities in children surviving the Fontan operation** *CARDIOLOGY IN THE YOUNG*
Ricci, M., Martin, B., Joffe, A. R., Dinu, I. A., Alton, G. Y., Guerra, G. G., Robertson, C. T., Western Canadian Complex Pediat Th
2018; 28 (6): 868–75
- **Hypoplastic Left Heart Syndrome Is Not a Predictor of Worse Intermediate Mortality Post Fontan**
Martin, B., Mah, K., Eckersley, L., Harder, J., Pockett, C., Schantz, D., Dyck, J., Al Aklabi, M., Rebeyka, I. M., Ross, D. B.
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- **Post-operative Outcomes in Children Undergoing Fontan Palliation in a Regionalized Surgical System** *PEDIATRIC CARDIOLOGY*
Martin, B., Ross, D. B., Al Aklabi, M., Harder, J., Dyck, J. D., Rebeyka, I. M.
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- **Tricuspid Valve Repair in Infancy Using Neochordae: Three-Dimensional Echocardiographic Imaging** *WORLD JOURNAL FOR PEDIATRIC AND CONGENITAL HEART SURGERY*
Martin, B., Khoo, N. S., Smallhorn, J., Al Aklabi, M.
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- **Hypoplastic Left Heart Syndrome is not Associated with Worse Clinical or Neurodevelopmental Outcomes Than Other Cardiac Pathologies After the Norwood-Sano Operation.** *Pediatric cardiology*

- Martin, B. J., De Villiers Jonker, I. n., Joffe, A. R., Bond, G. Y., Acton, B. V., Ross, D. B., Robertson, C. M., Rebeyka, I. M., Atallah, J. n. 2017; 38 (5): 922–31
- **An Unusual Cause of Hemopericardium 22 Years After a Fontan Procedure.** *The Annals of thoracic surgery*
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 - **A Unique Intracardiac Shunt: Identifying Complex Anatomy in Reoperative Adult Congenital Heart Disease.** *World journal for pediatric & congenital heart surgery*
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 - **Glutaraldehyde Treatment of Allografts and Aortic Outcomes Post-Norwood: Challenging Surgical Decision.** *The Annals of thoracic surgery*
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2017; 104 (4): 1395–1401
 - **Neonatal Tracheal and Intracardiac Repair in a High-Risk Premature Infant Requiring Preoperative ECMO Transport.** *World journal for pediatric & congenital heart surgery*
Martin, B. J., Holinski, P. n., Noga, M. n., El-Hakim, H. n., Aklabi, M. A.
2017: 2150135117696490
 - **Shunt Lesions Part II: Anomalous Pulmonary Venous Connections and Truncus Arteriosus.** *Pediatric critical care medicine : a journal of the Society of Critical Care Medicine and the World Federation of Pediatric Intensive and Critical Care Societies*
Martin, B. J., Karamlou, T. B., Tabbutt, S.
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 - **Rehabilitation Therapy in Peripheral Arterial Disease.** *The Canadian journal of cardiology*
Aggarwal, S. n., Moore, R. D., Arena, R. n., Marra, B. n., McBride, A. n., Lamb, B. n., Martin, B. J., Stone, J. n.
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 - **Repair of recoarctation after the Norwood operation: The right-sided posterior approach.** *The Journal of thoracic and cardiovascular surgery*
Martin, B. J., Maruyama, M. n., Rebeyka, I. M.
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 - **Clinical and Functional Developmental Outcomes in Neonates Undergoing Truncus Arteriosus Repair: A Cohort Study.** *The Annals of thoracic surgery*
Martin, B. J., Ross, D. B., Alton, G. Y., Joffe, A. R., Robertson, C. M., Rebeyka, I. M., Atallah, J. n.
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 - **Cardiac rehabilitation referral, attendance and mortality in women.** *European journal of preventive cardiology*
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 - **Microvascular dysfunction in schizophrenia: a case-control study.** *NPJ schizophrenia*
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- **Coding of obesity in administrative hospital discharge abstract data: accuracy and impact for future research studies.** *BMC health services research*
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- **The effect of ischemia-reperfusion injury on measures of vascular function.** *Clinical hemorheology and microcirculation*
Alhejily, W. n., Aleksi, A. n., Martin, B. J., Anderson, T. J.
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- **Delirium and cardiac surgery: progress - and more questions.** *Critical care (London, England)*
Martin, B. J., Arora, R. C.
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- **The relationship between peripheral arterial tonometry and classic measures of endothelial function.** *Vascular medicine (London, England)*
Martin, B. J., Gurtu, V., Chan, S., Anderson, T. J.
2013; 18 (1): 13-8
- **Cardiovascular fitness and mortality after contemporary cardiac rehabilitation.** *Mayo Clinic proceedings*
Martin, B. J., Arena, R. n., Haykowsky, M. n., Hauer, T. n., Austford, L. D., Knudtson, M. n., Aggarwal, S. n., Stone, J. A.
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- **The relationship between anthropometric indexes of adiposity and vascular function in the FATE cohort.** *Obesity (Silver Spring, Md.)*
Martin, B. J., Verma, S. n., Charbonneau, F. n., Title, L. M., Lonn, E. M., Anderson, T. J.
2013; 21 (2): 266–73
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Lee, V. n., Martin, B. J., Fung, M. n., Anderson, T. J.
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- **Delirium: a cause for concern beyond the immediate postoperative period.** *The Annals of thoracic surgery*
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● **Risk prediction in cardiovascular disease: the prognostic significance of endothelial dysfunction.** *The Canadian journal of cardiology*

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● **Long-term results of heart operations performed by surgeons-in-training.** *Circulation*

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● **The independent effect of traditional cardiac rehabilitation and the LEARN program on weight loss: a comparative analysis.** *Journal of cardiopulmonary rehabilitation and prevention*

Aggarwal, S. n., Arena, R. n., Cuda, L. n., Hauer, T. n., Martin, B. J., Austford, L. n., Stone, J. A.

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