

Alexander Ryan Berg

MD Student with Scholarly Concentration in Clinical Research / Surgery,
expected graduation Spring 2028

Publications

PUBLICATIONS

- **Outcomes of Adults with Congenital Heart Disease Undergoing Heart and Heart-Liver Transplantation: A Single-Center Experience.** *The Journal of thoracic and cardiovascular surgery*
Mullis, D. M., Krishnan, A., Vargas, N. M., Hu, S., Heng, E., Alnasir, D., Berg, A. R., Vu, A., Lui, G. K., Haeffele, C. L., Teuteberg, J. J., Daugherty, T., Gallo, et al
2026
- **Expanding access and rising complexity: Contemporary early outcomes in heart-liver transplantation for adult congenital heart disease.** *The Journal of thoracic and cardiovascular surgery*
Berg, A. R., Krishnan, A., Heng, E. E., Hu, S., Mullis, D. M., Vargas, N. M., Vu, A., Garrison, A. C., Alnasir, D. I., Clark, D., Haeffele, C., Lui, G., Teuteberg, et al
2026; 171 (5): 1090-1100.e3
- **Early United States experience with donation after circulatory death for heart retransplantation.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
Berg, A. R., Krishnan, A., Heng, E. E., Zhou, A., Maskos, A., Alnasir, D. I., Teuteberg, J., Joseph Woo, Y., MacArthur, J. W.
2026
- **A New Era of Cardiothoracic Transplantation in Adults With Congenital Heart Disease.** *Journal of the American Heart Association*
Hu, S., Krishnan, A., Mullis, D. M., Heng, E., Elde, S., Garrison, A. C., Alnasir, D., Berg, A. R., Vargas, N. M., Haeffele, C., Lui, G., Woo, Y. J., MacArthur, et al
2026: e045279
- **Ex Vivo Heart Perfusion Offsets Ischemic Penalties with ≥6-Hour Preservation in Adult Donation-After-Brain-Death Heart Transplantation.** *The Journal of thoracic and cardiovascular surgery*
Berg, A. R., Krishnan, A., Heng, E. E., Choi, A. Y., Zhou, A., Alnasir, D. I., Ruaengsri, Y. C., Shudo, Y., Woo, Y. J., MacArthur, J. W.
2025
- **Invited Response Letter.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
Berg, A. R., Krishnan, A., Heng, E. E., Choi, A. Y., Garrison, A. C., Alnasir, D. I., Chawannuch Ruaengsri, Y., Shudo, Y., Joseph Woo, Y., MacArthur, J. W.
2025
- **Ex-vivo Heart Perfusion Attenuates Early Post-Transplant Risk After Prolonged Agonal Period in DCD Heart Transplantation.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
Berg, A. R., Krishnan, A., Heng, E. E., Choi, A. Y., Garrison, A. C., Alnasir, D. I., Chawannuch Ruaengsri, Y., Shudo, Y., Joseph Woo, Y., MacArthur, J. W.
2025
- **Growing Use, Evolving Risk: A Contemporary Profile of Heart-Liver Transplantation**
Berg, A., Krishnan, A., Heng, E., Hu, S., Mullis, D., Vargas, N., Vu, A., Garrison, A., Alnasir, D., Clark, D., Haeffele, C., Lui, G., Teuteberg, et al
LIPPINCOTT WILLIAMS & WILKINS.2025
- **Donor Renal Function Should Inform Evaluation of Circulatory Death Heart Offers**
Berg, A., Krishnan, A., Heng, E., Mullis, D., Garrison, A., Vu, A., Alnasir, D., Teuteberg, J., Woo, Y., MacArthur, J.
LIPPINCOTT WILLIAMS & WILKINS.2025

- **Adults with congenital heart disease experience worse short- and mid-term graft survival following heart transplantation from DCD donors: The early US experience.** *JHLT open*
Berg, A. R., Mullis, D. M., Krishnan, A., Heng, E. E., Vargas, N. M., Alnasir, D. I., Garrison, A. C., Joseph Woo, Y., MacArthur, J. W.
2025; 10: 100383
- **Donation-after-circulatory-death lungs narrow the survival gap between single- and bilateral-lung transplants: A propensity-matched analysis.** *JTCVS techniques*
Berg, A. R., Krishnan, A., Heng, E. E., Mullis, D. M., Vargas, N. M., Garrison, A., Zamora Alnasir, D. I., Bangha, A., Dhillon, G., Guenthart, B., Woo, Y. J., MacArthur, J.
2025; 33: 294-305
- **From Proxy to Precision: The Growing Need to Capture True Warm Ischemic Time in Donation-After-Circulatory-Death Heart Transplantation.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
Berg, A. R., Choi, A. Y., Zhou, A., MacArthur, Y. J.
2025
- **Diversity and Expertise Among Authors of U.S. Surgical Society Clinical Guidelines.** *The American surgeon*
Berg, A., Chattopadhyay, K., Chung, Y., Tang, K., Cho, N. Y., Tennakoon, L., Spain, D. A., Choi, J.
2025: 31348251367049
- **Time delay and evidence profiles forming clinical recommendations of US surgical society guidelines.** *Surgery*
Berg, A., Cho, N. Y., Chattopadhyay, K., Narayan, S., Alawa, J., Spain, D. A., Choi, J.
2024: 108916
- **Fertility-preserving myeloablative conditioning using single-dose CD117 antibody-drug conjugate in a rhesus gene therapy model.** *Nature communications*
Uchida, N., Stasula, U., Demirci, S., Germino-Watnick, P., Hinds, M., Le, A., Chu, R., Berg, A., Liu, X., Su, L., Wu, X., Krouse, A. E., Linde, et al
2023; 14 (1): 6291
- **Longitudinal association of epicardial and thoracic adipose tissues with coronary and cardiac characteristics in psoriasis.** *Heliyon*
O'Hagan, R., Hsu, L., Li, H., Hong, C. G., Parel, P. M., Berg, A. R., Manyak, G. A., Bui, V., Patel, N. H., Florida, E. M., Teague, H. L., Playford, M. P., Zhou, et al
2023; 9 (10): e20732
- **The Relationship between Circulating APOA-1 and Atherosclerosis Initiation and Progression in Psoriasis** *JOURNAL OF INVESTIGATIVE DERMATOLOGY*
Teague, H. L., Li, H., Berg, A. R., Hong, C., Petrole, R. F., O'Hagan, R., Florida, E. M., Keel, A., Rodante, J., Kapoor, P., Gonzalez-Cantero, A., V. Sorokin, A., Joshi, et al
2023; 143 (10): 1947-+
- **Machine learning demonstrates top predictors of lipid-rich necrotic core modulation over 1 year in psoriasis.** *Vascular medicine (London, England)*
Hong, C. G., Li, H., Parel, P. M., Berg, A. R., Patel, N., Choi, H., Teague, H. L., Munger, E., Buckler, A. J., Sorokin, A. V., Mehta, N. N.
2023; 28 (4): 342-344
- **Comparison of the dietary omega-3 fatty acids impact on murine psoriasis-like skin inflammation and associated lipid dysfunction.** *The Journal of nutritional biochemistry*
Sorokin, A. V., Arnardottir, H., Svirydava, M., Ng, Q., Baumer, Y., Berg, A., Pantoja, C. J., Florida, E. M., Teague, H. L., Yang, Z. H., Dagur, P. K., Powell-Wiley, T. M., Yu, et al
2023; 117: 109348
- **Association of the triglyceride glucose index with insulin resistance and subclinical atherosclerosis in psoriasis: An observational cohort study.** *Journal of the American Academy of Dermatology*
O'Hagan, R., Gonzalez-Cantero, A., Patel, N., Hong, C. G., Berg, A. R., Li, H., Parel, P. M., Kapoor, P., Rodante, J. A., Keel, A., Chen, M. Y., Zhou, W., Playford, et al
2023; 88 (5): 1131-1134
- **Cholesterol efflux capacity is associated with lipoprotein size and vascular health in mild to moderate psoriasis.** *Frontiers in cardiovascular medicine*
Berg, A. R., Petrole, R. F., Li, H., Sorokin, A. V., Gonzalez-Cantero, A., Playford, M. P., Mehta, N. N., Teague, H. L.
2023; 10: 1041457

- **Association of S100A8/A9 with Lipid-Rich Necrotic Core and Treatment with Biologic Therapy in Patients with Psoriasis: Results from an Observational Cohort Study.** *The Journal of investigative dermatology*
Berg, A. R., Hong, C. G., Svirydava, M., Li, H., Parel, P. M., Florida, E., O'Hagan, R., Pantoja, C. J., Lateef, S. S., Anzenberg, P., Harrington, C. L., Ward, G., Zhou, et al
2022; 142 (11): 2909-2919
- **Systemic consequences of abnormal cholesterol handling: Interdependent pathways of inflammation and dyslipidemia.** *Frontiers in immunology*
O'Hagan, R., Berg, A. R., Hong, C. G., Parel, P. M., Mehta, N. N., Teague, H. L.
2022; 13: 972140
- **PET/CT-Based Characterization of 18F-FDG Uptake in Various Tissues Reveals Novel Potential Contributions to Coronary Artery Disease in Psoriatic Arthritis.** *Frontiers in immunology*
Schwartz, D. M., Parel, P., Li, H., Sorokin, A. V., Berg, A. R., Chen, M., Dey, A., Hong, C. G., Playford, M., Sylvester, M., Teague, H., Siegel, E., Mehta, et al
2022; 13: 909760
- **Updates in the Impact of Chronic Systemic Inflammation on Vascular Inflammation by Positron Emission Tomography (PET).** *Current cardiology reports*
Parel, P. M., Berg, A. R., Hong, C. G., Florida, E. M., O'Hagan, R., Sorokin, A. V., Mehta, N. N.
2022; 24 (4): 317-326