



Rayhan A. Lal, MD

Assistant Professor of Medicine (Endocrinology) and of Pediatrics (Endocrinology)

Medicine - Endocrinology, Gerontology, & Metabolism

CLINICAL OFFICE (PRIMARY)

- **Endocrinology Academic Office**

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Bio

BIO

I grew up in the east bay area and have had type 1 diabetes for 30+ years. I studied electrical engineering and computer science at U.C. Berkeley (Go Bears!) with the hope of applying my knowledge to diabetes technology. The significance of clinical practice became clear to me after my siblings also developed diabetes. I am devoting my life to advancing the care of diabetes in people of all ages.

CLINICAL FOCUS

- Endocrinology
- Diabetes and Metabolism

ACADEMIC APPOINTMENTS

- Assistant Professor-Univ Med Line, Medicine - Endocrinology, Gerontology, & Metabolism
- Assistant Professor-Univ Med Line, Pediatrics - Endocrinology
- Member, Wu Tsai Human Performance Alliance

ADMINISTRATIVE APPOINTMENTS

- Member, Stanford Diabetes Research Center, (2020- present)

HONORS AND AWARDS

- Faculty of the Year, Children With Diabetes (2025)
- Artificial Pancreas Award, Diabetes Technology Society (2023)
- Stephen Bechtel Endowed Fellow, Stanford Maternal and Child Health Research Institute (2017-2019)
- Alpha Omega Alpha, National medical honor society (2017)
- Outstanding Teaching as a House Officer, University of Southern California (2014)
- Gold Humanism Honor Society, Gold Foundation (2011)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Consultant, Abbott Diabetes Care (2018 - present)
- Medical Advisory Board, Consultant, Tidepool (2018 - present)
- Medical Advisor, Biolinq (2019 - present)
- Medical Monitor, Capillary Biomedical (2020 - present)
- Advisory Board, Provention Bio (2021 - 2021)
- Medical Advisor, Gluroo (2021 - present)

PROFESSIONAL EDUCATION

- Residency: LAC USC Internal Medicine and Pediatric Residency (2015) CA
- Board Certification: Pediatric Endocrinology, American Board of Pediatrics (2019)
- Board Certification: Endocrinology, Diabetes and Metabolism, American Board of Internal Medicine (2018)
- Fellowship: Stanford University Endocrinology Fellowship (2019) CA
- Fellowship: Stanford University Pediatric Endocrinology Fellowship (2019) CA
- Board Certification: Internal Medicine, American Board of Internal Medicine (2015)
- Board Certification: Pediatrics, American Board of Pediatrics (2015)
- Residency, Chief Residency, LAC+USC , Internal Medicine & Pediatrics (2015)
- Medical Education: University of California Davis School of Medicine (2011) CA

Research & Scholarship

CLINICAL TRIALS

- GATEWAY: Safety Evaluation of the MiniMed™ NMX8-AID System in Children and Adults Living With Diabetes, Recruiting
- Evaluating the Benefits of Physiologic Insulin Delivery, Not Recruiting
- Evaluation of the Advanced Hybrid Closed Loop (AHCL) System in Type 1 Adults and Pediatrics Utilizing Lymjev®, Not Recruiting
- Feasibility Study of Extended Wear Insulin Infusion Set Options During Home Use in People With Type 1 Diabetes, Not Recruiting
- Investigational Extended Wear Insulin Infusion Set in People With Type 1 Diabetes, Not Recruiting
- Omnipod 5 System Compared to Pump Therapy, Not Recruiting
- Safety and Effectiveness of the MiniMed™ 780G System With DS5 CGM, Not Recruiting
- Safety Evaluation of MiniMed™ 780G System With DS5 CGM in Children, Not Recruiting
- Automated Insulin Delivery for Inpatients With Dysglycemia, Not Specified
- Embecta AID System in Adults With Type 2 Diabetes, Not Specified
- Feasibility Study of a Continuous Glucose-Ketone Monitoring Device in People With Type 1 Diabetes, Not Specified
- Using a Personalized Decision Support Tool to Help People With Type 1 Diabetes Manage Exercise, Not Specified

Publications

PUBLICATIONS

- **Effects of Menstrual Cycle on Insulin Sensitivity in Type 1 Diabetes: An Observational Study of Individuals Using an Automated Insulin Delivery System.** *Diabetes care*
Hossmann, S., Friedman, M., Lizoain, A., Caduff, M., Braunack-Mayer, V., Burlando, L., Lal, R. A., Cengiz, E., Braune, K., Reger-Tan, S., Knopf, A., Züger, T., Khan-Gallo, et al
2026

- **Monomeric Insulin Analog and Stabilizing Excipient Enabled Ultrafast Insulin Formulation.** *Advanced materials (Deerfield Beach, Fla.)*
Zhang, Y., Lin, T., Tran, N. L., Jung, J., Blakely, A., Dao, Y., Austin, M. J., Lal, R. A., Hill, C. P., Chou, D. H.
2026: e73767
- **Continuous Intraperitoneal Insulin Infusion for People With Type 1 Diabetes: A Literature Review and International Position Statement.** *Diabetes, obesity & metabolism*
Oliver, N., Gehr, B., Lal, R., van Dijk, P. R., Renard, E.
2026
- **Safety and Effectiveness of MiniMed™ 780G Advanced Hybrid Closed-Loop Use with Ultrarapid Insulin Lispro-AABC in Pediatric and Adult Type 1 Diabetes.** *Diabetes technology & therapeutics*
Akturk, H. K., Nally, L. M., Lal, R. A., Warren, M. L., Demeterco-Berggren, C., Forlenza, G. P., Reed, J. C., Shulman, D. I., Kipnes, M. S., Bode, B. W., Dewan, A. K., Liljenquist, D. R., Kudva, et al
2026: 15209156261444994
- **Swimming With the Omnipod 5 Automated Insulin Delivery System: An Observational Investigation of Swimmers With Type 1 Diabetes in the Omnipod 5 Pivotal Trial.** *Diabetes, obesity & metabolism*
Zaharieva, D. P., Kingman, R. S., Lal, R. A., Nykaza, E., Buckingham, B. A., Hughes, M. S.
2026
- **Comparison of Glucose Management Between Open-Source Loop and Tandem Control-IQ Automated Insulin Delivery Systems in Adults With Type 1 Diabetes.** *Diabetes, obesity & metabolism*
Wu, Z., Lebbar, M., Lal, R., Bonhoure, A., Messier, V., Nguyen, É., Boudreau, V., Brazeau, A. S., Rabasa-Lhoret, R.
2026
- **Integrating the Glycemia Risk Index Into Clinical Practice and Research: A Consensus Report.** *Journal of diabetes science and technology*
Umpierrez, G. E., Shah, V. N., Brady, V., Clements, M. A., Espinoza, J., Healey, E., Kohn, M. A., Maahs, D. M., Oiknine, R., Seley, J. J., Weitzman, S. P., Kerr, D., Akturk, et al
2026: 19322968261432498
- **CLOSED-LOOP SYSTEMS: FUTURE CHALLENGES AND CONSIDERATIONS**
Lal, R.
SAGE PUBLICATIONS INC.2026: 44S
- **Insulin Delivery Hardware: Pumps and Pens.** *Diabetes technology & therapeutics*
Lal, R., Leelarathna, L.
2026; 28 (2_suppl): 28S-42S
- **ABSTRACT 1: UNEXPLAINED HYPERGLYCEMIA AS A PROXY FOR UNDETECTED OCCLUSIONS IN ADULTS WITH TYPE 1 DIABETES USING INSULIN PUMPS**
Mitri, J., Snow, K., Wagman, M., Harris, M., Le Blanc, J., Laffel, L., Lal, R.
SAGE PUBLICATIONS INC.2026: 109S-110S
- **CONTINUOUS INTRAPERITONEAL INSULIN INFUSION: AN INTERNATIONAL CONSENSUS STATEMENT**
Oliver, N., Gehr, B., Lal, R., Van Dijk, P., Renard, E.
SAGE PUBLICATIONS INC.2026: 70S
- **Fully closed-loop systems: can people with type 1 diabetes just do it? Insights from open-source systems.** *Diabetologia*
Lal, R., Braune, K., Lewis, D. M., Petruzelkova, L., de Bock, M., Hussain, S.
2026
- **Use of High-Potency GLP-1 Receptor Agonists With OpenAPS Automated Insulin Dosing Algorithm Eliminates Need for Meal Announcements to Achieve Glycemic Goals.** *Diabetes care*
Akcan, T., Kingman, R. S., Morgan, M., Liu, Y. T., Kingston, K., Lal, R. A.
2026
- **Psychosocial outcomes among adults with type 1 diabetes using a tubeless automated insulin delivery system compared with sensor augmented pump therapy: A randomised, parallel-group clinical trial sub-study.** *Diabetes, obesity & metabolism*
Riveline, J. P., Renard, E., Aleppo, G., Bode, B. W., Brown, S. A., Castorino, K., Hirsch, I. B., Kipnes, M. S., Laffel, L. M., Lal, R. A., Penforis, A., Shah, V. N., Thivolet, et al
2026

- **A Mini-Patch Magnetic Insulin Pump for Enhanced Delivery Resolution and Accuracy.** *Advanced intelligent systems (Weinheim an der Bergstrasse, Germany)*
Ze, Q., Huang, S., Chang, Y., Dai, J., Lal, R. A., Zhao, R. R.
2026; 8 (1)
- **Integrated hydrogel microneedle aptamer sensor for wearable insulin monitoring.** *Nature reviews bioengineering*
Garg, M., Chupil, S., L'Heureux-Hache, J., Lal, R. A., Poudineh, M., Soleymani, L.
2025
- **Integrated hydrogel microneedle aptamer sensor for wearable insulin monitoring** *NATURE REVIEWS BIOENGINEERING*
Garg, M., Chupil, S., L'heureux-Hache, J., Lal, R. A., Poudineh, M., Soleymani, L.
2025
- **Variation in Hypoglycemia Risk During Real-World Physical Activity in Adults with Type 1 Diabetes: Insights from the Type 1 Diabetes Exercise Initiative.** *Diabetes technology & therapeutics*
Dhaliwal, M., Tang, K., Aiello, E. M., Zaharieva, D. P., Lal, R. A., Summers, C., Arbiter, B., Watson, K., Connolly, M. J., Figg, L. E., Balistreri, I., Cortes, A. L., Kingman, et al
2025
- **Advancements and Challenges in Contemporizing Care for Adult Patients with Congenital Heart Disease and Advanced Heart Failure: An Update on Application of Modern Heart Failure Technologies.** *Current treatment options in cardiovascular medicine*
Saef, J., Scandinaro, A., Montgomery, R., Sundaravel, S., Weinreb, S., Dodeja, A., Lal, R. A., Patsias, I., Gosain, P., Castro, M., Joseph, N., Martinez, M. V., Laczko, et al
2025; 27
- **Safety and Glycemic Outcomes of the MiniMed 780G System with a Disposable All-in-One Sensor.** *Diabetes technology & therapeutics*
Nally, L. M., Sherr, J. L., Garg, S. K., Marks, B. E., Laffel, L. M., Pihoker, C., Accacha, S. D., Thrasher, J. R., Abuzzahab, M. J., Reed, J. H., Ekhlaspour, L., Belapurkar, S., Shulman, et al
2025
- **A Mini-Patch Magnetic Insulin Pump for Enhanced Delivery Resolution and Accuracy** *ADVANCED INTELLIGENT SYSTEMS*
Ze, Q., Huang, S., Chang, Y., Dai, J., Lal, R. A., Zhao, R.
2025
- **A Multicenter Study of an Investigational Extended Wear Insulin Infusion Set in Adults with Type 1 Diabetes.** *Diabetes technology & therapeutics*
Lal, R. A., Lum, J. W., Reed, Z. W., Kruger, D., Reed, J. C., Weinstock, R. S., Carlson, A. L., Kudva, Y. C., Liljenquist, D., Cobry, E. C., Levister, C. M., Aleppo, G., Chen, et al
2025
- **Diabetes technology use in U.S. hospitals: A survey of user experiences.** *Diabetes, obesity & metabolism*
Hughes, M. S., Morgan, M., Liu, Y. T., Lee, M. Y., Hanes, S. J., Hood, K. K., Buckingham, B. A., Lal, R.
2025
- **Peer Mentoring Improves Diabetes Technology Use and Reduces Diabetes Distress Among Underserved Communities: Outcomes of a Pilot Diabetes Support Coach Intervention.** *Journal of diabetes research*
Maizel, J., Haller, M. J., Maahs, D. M., Addala, A., Filipp, S. L., Lal, R. A., Gurka, M. J., Figg, L., Hechavarria, M., Zaharieva, D. P., Malden, K. G., Westen, S., Dixon, et al
2025; 2025: 1970247
- **Evolution of the Artificial Pancreas: Components and Integration-CGMs, Insulin, and AP Systems.** *Journal of diabetes science and technology*
Bergental, R. M., Heller, A., Breton, M. D., Vigersky, R., Brown, S. A., Forlenza, G. P., Sherr, J. L., Hovorka, R., Russell, S. J., Damiano, E. R., Putman, M. S., Beck, R. W., Renard, et al
2025; 19 (4): 883-894
- **Practical Considerations and Implementation of Automated Insulin Delivery Systems.** *Diabetes technology & therapeutics*
Messer, L. H., Forlenza, G. P., Gonder-Frederick, L., Hood, K., Ebekozen, O., Barnard-Kelly, K., Laffel, L. M., Sherr, J. L., Lal, R., Weinzimer, S. A.
2025; 27 (S3): S72-S78
- **Evolution of the Artificial Pancreas: Components and Integration-CGMs, Insulin, and AP Systems** *DIABETES TECHNOLOGY & THERAPEUTICS*

- Bergenstal, R. M., Heller, A., Breton, M. D., Vigersky, R., Brown, S. A., Forlenza, G. P., Sherr, J. L., Hovorka, R., Russell, S. J., Damiano, E. R., Putman, M. S., Beck, R. W., Renard, et al
2025; 27: S9-S20
- **Practical Considerations and Implementation of Automated Insulin Delivery Systems.** *Journal of diabetes science and technology*
Messer, L. H., Forlenza, G. P., Gonder-Frederick, L., Hood, K., Ebekozi, O., Barnard-Kelly, K., Laffel, L. M., Sherr, J. L., Lal, R., Weinzimer, S. A.
2025; 19 (4): 950-957
 - **The Use of Continuous Glucose Monitoring to Diagnose Stage 2 Type 1 Diabetes.** *Journal of diabetes science and technology*
Mader, J. K., Wong, J. C., Freckmann, G., Garcia-Tirado, J., Hirsch, I. B., Johnson, S. B., Kerr, D., Kim, S. H., Lal, R., Montaser, E., O'Donnell, H., Pleus, S., Shah, et al
2025: 19322968251333441
 - **Artificial intelligence tools in supporting healthcare professionals for tailored patient care.** *NPJ digital medicine*
Kim, J., Chen, M. L., Rezaei, S. J., Hernandez-Boussard, T., Chen, J. H., Rodriguez, F., Han, S. S., Lal, R. A., Kim, S. H., Dosiou, C., Seav, S. M., Akcan, T., Rodriguez, et al
2025; 8 (1): 210
 - **Insulin Delivery Hardware: Pumps and Pens.** *Diabetes technology & therapeutics*
Lal, R., Leelarathna, L.
2025; 27 (S1): S31-S40
 - **PROMISE AND LIMITS OF PERSONALIZED NEURAL NETWORK CGM PREDICTION**
Moustafa, Y., Lal, R.
MARY ANN LIEBERT, INC.2025: E179-E180
 - **Intermittent Low-Magnitude Pressure Applied Across Macroencapsulation Devices Enables Physiological Insulin Delivery Dynamics.** *Diabetes*
Thomson, E. A., Lee, S., Xu, H., Moeller, H., Sands, J., Lal, R. A., Annes, J. P., Poon, A. S.
2025
 - **Automated Insulin Delivery for Type 1 Diabetes: Present and Future.** *Diabetes spectrum : a publication of the American Diabetes Association*
Akcan, T., Lee, M. Y., Needleman, L., Lal, R. A.
2025; 38 (3): 217-227
 - **Peer Mentoring Improves Diabetes Technology Use and Reduces Diabetes Distress Among Underserved Communities: Outcomes of a Pilot Diabetes Support Coach Intervention** *JOURNAL OF DIABETES RESEARCH*
Maizel, J., Haller, M. J., Maahs, D. M., Addala, A., Filipp, S. L., Lal, R. A., Gurka, M. J., Figg, L., Hechavarria, M., Zaharieva, D. P., Malden, K. G., Westen, S., Dixon, et al
2025; 2025 (1)
 - **Project ECHO Diabetes Trial Improves Outcomes for Medically Underserved People.** *Diabetes care*
Walker, A. F., Haller, M. J., Addala, A., Filipp, S. L., Lal, R. A., Gurka, M. J., Figg, L. E., Hechavarria, M., Zaharieva, D. P., Malden, K. G., Hood, K. K., Westen, S. C., Wong, et al
2024
 - **Toward Automation: The Road Traveled and Road Ahead for Integrating Automated Insulin Delivery into Inpatient Care.** *Diabetes technology & therapeutics*
Hughes, M. S., Pasquel, F. J., Davis, G. M., Lal, R. A., Buckingham, B. A., Boughton, C. K., Brown, S. A., Bally, L.
2024
 - **Consensus Report on Glucagon-Like Peptide-1 Receptor Agonists as Adjunctive Treatment for Individuals With Type 1 Diabetes Using an Automated Insulin Delivery System.** *Journal of diabetes science and technology*
Shah, V. N., Peters, A. L., Umpierrez, G. E., Sherr, J. L., Akturk, H. K., Aleppo, G., Bally, L., Cengiz, E., Cinar, A., Dungan, K., Fabris, C., Jacobs, P. G., Lal, et al
2024: 19322968241291512
 - **Advancements and Challenges in Contemporizing Care for Adult Patients with Congenital Heart Disease and Advanced Heart Failure: An Update on Application of Modern Heart Failure Technologies** *CURRENT TREATMENT OPTIONS IN CARDIOVASCULAR MEDICINE*
Saef, J., Scandinaro, A., Montgomery, R., Sundaravel, S., Weinreb, S., Dodeja, A., Lal, R. A., Patsias, I., Gosain, P., Castro, M., Joseph, N., Martinez, M., Laczkó, et al

2024; 27 (1)

- **Efficacy and Safety of a Tubeless AID System Compared With Pump Therapy With CGM in the Treatment of Type 1 Diabetes in Adults With Suboptimal Glycemia: A Randomized, Parallel-Group Clinical Trial.** *Diabetes care*
Renard, E., Weinstock, R. S., Aleppo, G., Bode, B. W., Brown, S. A., Castorino, K., Hirsch, I. B., Kipnes, M. S., Laffel, L. M., Lal, R. A., Penforinis, A., Riveline, J., Shah, et al
2024
- **The Diabetes Technology Society Error Grid and Trend Accuracy Matrix for Glucose Monitors.** *Journal of diabetes science and technology*
Klonoff, D. C., Freckmann, G., Pleus, S., Kovatchev, B. P., Kerr, D., Tse, C. C., Li, C., Agus, M. S., Dungan, K., Voglova Hagerf, B., Krouwer, J. S., Lee, W. A., Misra, et al
2024: 19322968241275701
- **Perspectives on Artificial Intelligence-Generated Responses to Patient Messages.** *JAMA network open*
Kim, J., Chen, M. L., Rezaei, S. J., Liang, A. S., Seav, S. M., Onyeka, S., Lee, J. J., Vedak, S. C., Mui, D., Lal, R. A., Pfeffer, M. A., Sharp, C., Pageler, et al
2024; 7 (10): e2438535
- **Not all healthcare inequities in diabetes are equal: a comparison of two medically underserved cohorts.** *BMJ open diabetes research & care*
Walker, A. F., Haller, M. J., Addala, A., Filipp, S. L., Lal, R., Gurka, M. J., Figg, L. E., Hechavarria, M., Zaharieva, D. P., Malden, K. G., Hood, K. K., Westen, S. C., Wong, et al
2024; 12 (4)
- **Refining Insulin on Board with netIOB for Automated Insulin Delivery.** *Journal of diabetes science and technology*
Riddell, M. C., Lewis, D. M., Turner, L. V., Lal, R. A., Shahid, A., Zaharieva, D. P.
2024: 19322968241267820
- **Empowering Hospitalized Patients With Diabetes: Implementation of a Hospital-wide CGM Policy With EHR-Integrated Validation for Dosing Insulin.** *Diabetes care*
Lee, M. Y., Seav, S. M., Ongwela, L., Lee, J. J., Aubyrn, R., Cao, F. Y., Kalinsky, A., Aparicio Ramos, O., Gu, Y., Kingston, K., Ivanovic, M., Buckingham, B. A., Desai, et al
2024
- **Project Extension for Community Healthcare Outcomes Intervention Evaluations: A Scoping Review of Research Methods.** *The Journal of continuing education in the health professions*
Maizel, J., Filipp, S. L., Zori, G., Yadav, S., Avaiya, K., Figg, L., Hechavarria, M., Roque, X., Anez-Zabala, C., Lal, R., Addala, A., Haller, M. J., Maahs, et al
2024
- **COVID-19 impacts and inequities among underserved communities with diabetes.** *Journal of clinical & translational endocrinology*
Maizel, J. L., Haller, M. J., Maahs, D. M., Addala, A., Lal, R. A., Filipp, S. L., Gurka, M. J., Westen, S., Dixon, B. N., Figg, L., Hechavarria, M., Malden, K. G., Walker, et al
2024; 36: 100337
- **Multicenter Evaluation of Ultra-Rapid Lispro (URLi) Insulin with Control-IQ Technology in Adults, Adolescents and Children with Type 1 Diabetes.** *Diabetes technology & therapeutics*
Levy, C., Bailey, R., Laffel, L. M., Forlenza, G. P., DiMeglio, L. A., Hughes, M. S., Brown, S., Aleppo, G., Bhargava, A., Shah, V., Clements, M. A., Kipnes, M. S., Bruggeman, et al
2024
- **Development of a Real-time Force-based Algorithm for Infusion Failure Detection.** *Journal of diabetes science and technology*
Blanco, L. E., Wilcox, J. H., Hughes, M. S., Lal, R. A.
2024: 19322968241247530
- **Insulin Delivery Hardware: Pumps and Pens.** *Diabetes technology & therapeutics*
Lal, R., Leelarathna, L.
2024; 26 (S1): S32-S44
- **A cysteine-specific solubilizing tag strategy enables efficient chemical protein synthesis of difficult targets.** *Chemical science*
Li, W., Jacobsen, M. T., Park, C., Jung, J. U., Lin, N. P., Huang, P. S., Lal, R. A., Chou, D. H.
2024; 15 (9): 3214-3222

- **Use of the Community-Derived Open-Source Automated Insulin Delivery Loop System in Type 2 Diabetes.** *Diabetes technology & therapeutics*
Bauza, C., Kanapka, L. G., Greene, E., Lal, R. A., Arbiter, B., Beck, R. W.
2024
- **CHANGE IN A1C AND CGM USE AFTER PROJECT ECHO IMPLEMENTATION IN US FEDERALLY QUALIFIED HEALTH CENTERS (FQHC)**
Walker, A., Haller, M., Filipp, S., Figg, L., Gurka, M., Addala, A., Hechavarria, M., Lal, R., Malden, G., Basina, M., Bernier, A., Hood, K., Donahoo, et al
MARY ANN LIEBERT, INC.2024: A350
- **EFFICACY AND SAFETY OF THE AUTOMATED OMNIPOD® 5 SYSTEM COMPARED TO INSULIN PUMP THERAPY IN ADULTS WITH TYPE 1 DIABETES: A RANDOMIZED, CONTROLLED TRIAL**
Renard, E., Weinstock, R., Aleppo, G., Bode, B., Brown, S., Castorino, K., Hirsch, I., Kipnes, M., Laffel, L., Lal, R., Penforinis, A., Riveline, J., Shah, et al
MARY ANN LIEBERT, INC.2024: A78
- **REAL-WORLD GLYCEMIC OUTCOMES OF > 47,700 ADULTS WITH TYPE 1 DIABETES USING THE OMNIPOD® 5 AUTOMATED INSULIN DELIVERY (AID) SYSTEM WITH CLOUD-BASED DATA MANAGEMENT**
Gibb, F., Lal, R., Aleppo, G., Huyett, L., Mendez, J., Hadjiyianni, I., Ly, T.
MARY ANN LIEBERT, INC.2024: A78-A79
- **HIGH SATISFACTION WITH CONTROL-IQ 1.5 AND LYUMJEV INSULIN IN CHILDREN, ADOLESCENTS AND ADULTS WITH TYPE 1 DIABETES**
Levy, C., Bailey, R., Laffel, L., Forlenza, G., Dimeglio, L., Lal, R., Brown, S., Aleppo, G., Bhargava, A., Shah, V., Clements, M., Kipnes, M., Bruggeman, et al
MARY ANN LIEBERT, INC.2024: A51-A52
- **PERFORMANCE EVALUATION OF AUTOMATED INSULIN DELIVERY SYSTEMS ON A PREGNANCY SPECIFIC TYPE 1 DIABETES SIMULATOR**
Banerjee, A., Kudva, Y., Levy, C., Kaur, R., Polsky, S., Lal, R., Maity, A., Kamboj, P., Salián, R., Foster, S., Arbiter, B., Watson, K., Look, et al
MARY ANN LIEBERT, INC.2024: A96
- **A cysteine-specific solubilizing tag strategy enables efficient chemical protein synthesis of difficult targets** *CHEMICAL SCIENCE*
Li, W., Jacobsen, M. T., Park, C., Jung, J., Lin, N., Huang, P., Lal, R. A., Chou, D.
2024
- **Following in Banting's footsteps or straying from the path? Observations from contemporary diabetes innovation.** *Frontiers in endocrinology*
Leadley, C., Addala, A., Berkeley, J., Crockett, H., Davis, E. A., Hewapathirana, N., Hussain, S., Lal, R., Lomax, K., Wilkinson, T., de Bock, M., Burckhardt, M. A.
2023; 14: 1270517
- **Breaking a feedback loop: A reassessment of an investigator initiated OS-AID study.** *Diabetes, obesity & metabolism*
Braune, K., Hussain, S., Lal, R., Leibrand, S., Lewis, D. M., O'Donnell, S.
2023
- **Recruiting historically under-represented individuals into Project ECHO Diabetes: using barrier analysis to understand disparities in clinical research in the USA.** *BMJ open*
Addala, A., Hechavarria, M., Figg, L., Roque, X., Filipp, S. L., Anez-Zabala, C., Lal, R., Gurka, M. J., Haller, M. J., Maahs, D. M., Walker, A. F.
2023; 13 (8): e072546
- **Automated Insulin Delivery with Remote Real-Time Continuous Glucose Monitoring for Hospitalized Patients with Diabetes: A Multi-Center, Single-arm, Feasibility Trial.** *Diabetes technology & therapeutics*
Davis, G. M., Hughes, M. S., Brown, S., Sibayan, J., Perez-Guzman, M. C., Stumpf, M., Thompson, Z., Basina, M., Patel, R., Hester, J., Abraham, A., Ly, T. T., Chaney, et al
2023
- **Multisite Quality Improvement Program Within the Project ECHO Diabetes Remote Network.** *Joint Commission journal on quality and patient safety*
Wang, C. J., Lewit, E. M., Clark, C. L., Lee, F. W., Maahs, D. M., Haller, M. J., Addala, A., Lal, R. A., Cuttriss, N., Baer, L. G., Figg, L. E., Anez-Zabala, C., Sheehan, et al

2023

- **The Promising Success of Project Extension for Community Healthcare Outcomes (ECHO) Diabetes: Case Series.** *JMIR diabetes*
Figg, L., Addala, A., Jain, I., Anez, C., Midney, P., DeChirico, C., Symanski, C., Fitzgerald, B. C., Colbert, K., Raymer, T., Stockton-Joreteg, C., Murphy, E., Collins, et al
2023; 8: e46050
- **Swimming With the Omnipod 5 Automated Insulin Delivery System: Connectivity in the Water.** *Diabetes care*
Hughes, M. S., Kingman, R. S., Hsu, L., Lal, R. A., Buckingham, B. A., Zaharieva, D. P.
2023
- **Spectro-spatial features in distributed human intracranial activity proactively encode peripheral metabolic activity.** *Nature communications*
Huang, Y., Wang, J. B., Parker, J. J., Shivacharan, R., Lal, R. A., Halpern, C. H.
2023; 14 (1): 2729
- **Practical Aspects and Exercise Safety Benefits of Automated Insulin Delivery Systems in Type 1 Diabetes.** *Diabetes spectrum : a publication of the American Diabetes Association*
Zaharieva, D. P., Morrison, D., Paldus, B., Lal, R. A., Buckingham, B. A., O'Neal, D. N.
2023; 36 (2): 127-136
- **The First Regulatory Clearance of an Open-Source Automated Insulin Delivery Algorithm.** *Journal of diabetes science and technology*
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