

Stanford



Rayhan Lal

Instructor, Pediatrics - Endocrinology and Diabetes

CLINICAL OFFICES

- **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 younger sisters 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

- Instructor, Pediatrics - Endocrinology and Diabetes

ADMINISTRATIVE APPOINTMENTS

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

HONORS AND AWARDS

- Alpha Omega Alpha, National medical honor society (2017)
- Stephen Bechtel Endowed Fellow, Stanford Child Health Research Institute (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 Advisory Board, Biolinq (2019 - present)

- Medical Monitor, Capillary Biomedical (2020 - present)

PROFESSIONAL EDUCATION

- 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: LACplusUSC Internal Medicine and Pediatric Residency (2015) CA
- Medical Education: University of California Davis School of Medicine (2011) CA

Research & Scholarship

CLINICAL TRIALS

- Evaluation of Extended Wear Infusion Set With 670G Hybrid Closed-Loop Therapy, Recruiting
- Evaluating the Benefits of Physiologic Insulin Delivery, Not Recruiting

Publications

PUBLICATIONS

- **An Intolerable Burden: Suicide, Intended Self-Injury and Diabetes.** *Canadian journal of diabetes*
Barnard-Kelly, K. D., Naranjo, D., Majidi, S., Akturk, H. K., Breton, M., Courtet, P., Olie, E., Lal, R. A., Johnson, N., Atkinson, M., Renard, E.
2020
- **Insulin Pumps.** *Diabetes technology & therapeutics*
Lal, R., Leelarathna, L.
2020; 22 (S1): S17–S31
- **Primary Care Providers in California and Florida Report Low Confidence in Providing Type 1 Diabetes Care.** *Clinical diabetes : a publication of the American Diabetes Association*
Lal, R. A., Cuttriss, N., Haller, M. J., Yabut, K., Anez-Zabala, C., Hood, K. K., Sheehan, E., Basina, M., Bernier, A., Baer, L. G., Filipp, S. L., Wang, C. J., Town, et al
2020; 38 (2): 159–65
- **THE GUIDED TRANSFER OF CARE IMPROVES ADULT CLINIC SHOW RATE.** *Endocrine practice : official journal of the American College of Endocrinology and the American Association of Clinical Endocrinologists*
Lal, R. A., Maahs, D. M., Dosiou, C., Aye, T., Basina, M.
2020
- **Fast-Acting Insulin Aspart Use with the MiniMed™ 670G System.** *Diabetes technology & therapeutics*
Hsu, L. J., Buckingham, B. A., Basina, M., Ekhlaspour, L., von Eyben, R., Wang, J., Lal, R. A.
2020
- **Suicide and Self-inflicted Injury in Diabetes: A Balancing Act.** *Journal of diabetes science and technology*
Barnard-Kelly, K. D., Naranjo, D., Majidi, S., Akturk, H. K., Breton, M., Courtet, P., Olie, E., Lal, R. A., Johnson, N., Renard, E.
2019: 1932296819891136
- **Perspectives on long-acting growth hormone therapy in children and adults.** *Archives of endocrinology and metabolism*
Lal, R. A., Hoffman, A. R.
2019; 63 (6): 601–7
- **Optimizing Basal Insulin Dosing.** *The Journal of pediatrics*

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- Lal, R. A., Maahs, D. M.
2019
- **Realizing a Closed-Loop (Artificial Pancreas) System for the Treatment of Type 1 Diabetes.** *Endocrine reviews*
Lal, R. A., Ekhlaspour, L., Hood, K., Buckingham, B.
2019
 - **670G Clinical Experience**
Lal, R., Basina, M., Maahs, D. M., Buckingham, B. A., Hood, K. K., Conrad, B. P., Leverenz, J., Chmielewski, A., Peterson, K., Wilson, D.
AMER DIABETES ASSOC.2019
 - **The Guided Transition of Care**
Lal, R., Maahs, D. M., Dosiou, C., Aye, T., Basina, M.
AMER DIABETES ASSOC.2019
 - **Diabetes Technology and Therapy in the Pediatric Age Group.** *Diabetes technology & therapeutics*
Maahs, D. M., Lal, R., Shalitin, S.
2019; 21 (S1): S123–S137
 - **Fluoroscopic-assisted laparoscopic retrieval of retained glucose sensor wire from the omentum.** *Clinical case reports*
Sang, A. X., Lal, R., August, A., Danzer, E., Buckingham, B., Mueller, C. M.
2019; 7 (9): 1717–20
 - **One Year Clinical Experience of the First Commercial Hybrid Closed-Loop.** *Diabetes care*
Lal, R. A., Basina, M., Maahs, D. M., Hood, K., Buckingham, B., Wilson, D. M.
2019
 - **Long-Acting Growth Hormone Preparations in the Treatment of Children.** *Pediatric endocrinology reviews : PER*
Lal, R. A., Hoffman, A. R.
2018; 16 (Suppl 1): 162–67
 - **Advances in Care for Insulin-Requiring Patients Without Closed Loop.** *Diabetes technology & therapeutics*
Lal, R. A., Buckingham, B., Maahs, D. M.
2018; 20 (S2): S285–S291
 - **Advances in Care for Insulin-Requiring Patients Without Closed Loop** *DIABETES TECHNOLOGY & THERAPEUTICS*
Lal, R. A., Buckingham, B., Maahs, D. M.
2018; 20: 85–91
 - **Postmenopausal Hyperandrogenism.** *Journal of women's health care*
Lal, R. A., Basina, M.
2018; 7 (1)
 - **A Case Report of Hypoglycemia and Hypogammaglobulinemia: DAVID syndrome in a patient with a novel NFKB2 mutation.** *journal of clinical endocrinology and metabolism*
Lal, R. A., Bachrach, L. K., Hoffman, A. R., Inlora, J., Rego, S., Snyder, M. P., Lewis, D. B.
2017
 - **Clinical Use of Continuous Glucose Monitoring in Pediatrics.** *Diabetes technology & therapeutics*
Lal, R. A., Maahs, D. M.
2017; 19 (S2): S37-S43
 - **An unusual cause of hyperglycemia** *JOURNAL OF POSTGRADUATE MEDICINE*
Lal, R., Loomba-Albrecht, L. A., Bremer, A. A.
2011; 57 (4): 343–46
 - **Amyloid-beta and Glucose Metabolism in Alzheimer's Disease** *JOURNAL OF ALZHEIMERS DISEASE*
Furst, A. J., Lal, R. A.
2011; 26: 105-116

- **Amyloid-beta and Glucose Metabolism in Alzheimer's Disease** *HANDBOOK OF IMAGING THE ALZHEIMER BRAIN*
Furst, A. J., Lal, R. A., Ashford, J. W., Rosen, A., Adamson, M., Bayley, P., Sabri, O., Furst, A., Black, S. E., Weiner, M.
2011; 2: 235-46
- **Striatal Dopamine and Working Memory** *CEREBRAL CORTEX*
Landau, S. M., Lal, R., O'Neil, J. P., Baker, S., Jagust, W. J.
2009; 19 (2): 445-454
- **A beta Amyloid and Glucose Metabolism in Three Variants of Primary Progressive Aphasia** *ANNALS OF NEUROLOGY*
Rabinovici, G. D., Jagust, W. J., Furst, A. J., Ogar, J. M., Racine, C. A., Mormino, E. C., O'Neil, J. P., Lal, R. A., Dronkers, N. F., Miller, B. L., Gorno-Tempini, M. L.
2008; 64 (4): 388-401