

# Stanford

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## Laya Ekhlaspour

Instructor, Pediatrics - Endocrinology and Diabetes

### CLINICAL OFFICES

- **Pediatric Endocrinology Clinic**

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### Bio

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### CLINICAL FOCUS

- Pediatric Endocrinology
- Type 1 Diabetes

### ACADEMIC APPOINTMENTS

- Instructor, Pediatrics - Endocrinology and Diabetes
- Member, Maternal & Child Health Research Institute (MCHRI)

### PROFESSIONAL EDUCATION

- Fellowship: Massachusetts General Hospital (2016) MA
- Board Certification: Pediatric Endocrinology, American Board of Pediatrics (2017)
- Board Certification: Pediatrics, American Board of Pediatrics (2012)
- Residency: Elmhurst Hospital Center - Mt Sinai Services (2012) NY
- Medical Education: Kerman University of Medical Sciences (2006) Iran

### Research & Scholarship

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### CLINICAL TRIALS

- Real-time Reminders To Decrease Late or Missed Meal Boluses, Not Recruiting
- The Insulin-Only Bionic Pancreas Pivotal Trial, Not Recruiting

### Publications

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### PUBLICATIONS

- **Randomized Controlled Trial of Mobile Closed-Loop Control.** *Diabetes care*  
Kovatchev, B., Anderson, S. M., Raghinaru, D., Kudva, Y. C., Laffel, L. M., Levy, C., Pinsky, J. E., Wadwa, R. P., Buckingham, B., Doyle, F. J., Brown, S. A., Church, M. M., Dadlani, et al  
2020

- **Glycemic Outcomes of Use of CLC Versus PLGS in Type 1 Diabetes: A Randomized Controlled Trial.** *Diabetes care*  
Brown, S. A., Beck, R. W., Raghinaru, D., Buckingham, B. A., Laffel, L. M., Wadwa, R. P., Kudva, Y. C., Levy, C. J., Pinsker, J. E., Dassau, E., Doyle, F. J., Ambler-Osborn, L., Anderson, et al  
2020; 43 (8): 1822–28
- **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
- **Safety and Performance of the Omnipod Hybrid Closed-Loop System in Adults, Adolescents, and Children with Type 1 Diabetes Over 5 Days Under Free-Living Conditions.** *Diabetes technology & therapeutics*  
Sherr, J., Buckingham, B. A., Forlenza, G., Galderisi, A., Ekhlaspour, L., Wadwa, R. P., Carria, L., Hsu, L. J., Berget, C. L., Peyser, T. A., Lee, J. B., O'Connor, J., Dumais, et al  
2019
- **Closed loop control in adolescents and children during winter sports: Use of the Tandem Control-IQ AP system** *PEDIATRIC DIABETES*  
Ekhlaspour, L., Forlenza, G. P., Chernavsky, D., Maahs, D. M., Wadwa, R., Deboer, M. D., Messer, L. H., Town, M., Pinnata, J., Kruse, G., Kovatchev, B. P., Buckingham, B. A., Breton, et al  
2019; 20 (6): 759–68
- **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
- **A Review of Continuous Glucose Monitoring Data Interpretation in the Age of Automated Insulin Delivery.** *Journal of diabetes science and technology*  
Ekhlaspour, L., Tabatabai, I., Buckingham, B.  
2019: 1932296819851790
- **Successful At-Home Use of the Tandem Control-IQ Artificial Pancreas System in Young Children During a Randomized Controlled Trial** *DIABETES TECHNOLOGY & THERAPEUTICS*  
Forlenza, G. P., Ekhlaspour, L., Breton, M., Maahs, D. M., Wadwa, R., DeBoer, M., Messer, L. H., Town, M., Pinnata, J., Kruse, G., Buckingham, B. A., Chernavsky, D.  
2019; 21 (4): 159–69
- **Successful At-Home Use of the Tandem Control-IQ Artificial Pancreas System in Young Children During a Randomized Controlled Trial.** *Diabetes technology & therapeutics*  
Forlenza, G. P., Ekhlaspour, L., Breton, M., Maahs, D. M., Wadwa, R. P., DeBoer, M., Messer, L. H., Town, M., Pinnata, J., Kruse, G., Buckingham, B. A., Chernavsky, D.  
2019
- **Six-Month Randomized, Multicenter Trial of Closed-Loop Control in Type 1 Diabetes.** *The New England journal of medicine*  
Brown, S. A., Kovatchev, B. P., Raghinaru, D., Lum, J. W., Buckingham, B. A., Kudva, Y. C., Laffel, L. M., Levy, C. J., Pinsker, J. E., Wadwa, R. P., Dassau, E., Doyle, F. J., Anderson, et al  
2019
- **Feasibility Studies of an Insulin-Only Bionic Pancreas in a Home-Use Setting.** *Journal of diabetes science and technology*  
Ekhlaspour, L., Nally, L. M., El-Khatib, F. H., Ly, T. T., Clinton, P., Frank, E., Tanenbaum, M. L., Hanes, S. J., Selagamsetty, R. R., Hood, K., Damiano, E. R., Buckingham, B. A.  
2019: 1932296819872225
- **Closed Loop Control in Adolescents and Children During Winter Sports: Use of the Tandem Control-IQ AP System.** *Pediatric diabetes*  
Ekhlaspour, L., Forlenza, G. P., Chernavsky, D., Maahs, D. M., Wadwa, R. P., DeBoer, M. D., Messer, L. H., Town, M., Pinnata, J., Kruse, G., Kovatchev, B. P., Buckingham, B. A., Breton, et al  
2019
- **Predictive Low-Glucose Suspend Reduces Hypoglycemia in Adults, Adolescents, and Children With Type 1 Diabetes in an At-Home Randomized Crossover Study: Results of the PROLOG Trial** *DIABETES CARE*  
Forlenza, G. P., Li, Z., Buckingham, B. A., Pinsker, J. E., Cengiz, E., Wadwa, R., Ekhlaspour, L., Church, M., Weinzimer, S. A., Jost, E., Marcal, T., Andre, C., Carria, et al  
2018; 41 (10): 2155–61

- **Predictive hyperglycemia and hypoglycemia minimization: In-home double-blind randomized controlled evaluation in children and young adolescents** *PEDIATRIC DIABETES*  
Forlenza, G. P., Raghinaru, D., Cameron, F., Bequette, B., Chase, H., Wadwa, R., Maahs, D. M., Jost, E., Ly, T. T., Wilson, D. M., Norlander, L., Ekhlaspour, L., Min, et al  
2018; 19 (3): 420–28
- **Home use of a bihormonal bionic pancreas versus insulin pump therapy in adults with type 1 diabetes: a multicentre randomised crossover trial** *LANCET*  
El-Khatib, F. H., Balliro, C., Hillard, M. A., Magyar, K. L., Ekhlaspour, L., Sinha, M., Mondesir, D., Esmaeili, A., Hartigan, C., Thompson, M. J., Malkani, S., Lock, J. P., Harlan, et al  
2017; 389 (10067): 369-380
- **In-Home Closed Loop Control for Artificial Pancreas: Patient and Provider Perspective** *DIABETES TECHNOLOGY & THERAPEUTICS*  
Ekhlaspour, L., Maahs, D. M.  
2017; 19 (1): 4–6
- **Biopsychosocial Aspects of Weight Management in Type 1 Diabetes: a Review and Next Steps.** *Current diabetes reports*  
Driscoll, K. A., Corbin, K. D., Maahs, D. M., Pratley, R., Bishop, F. K., Kahkoska, A., Hood, K. K., Mayer-Davis, E.  
2017; 17 (8): 58
- **Comparative Accuracy of 17 Point-of-Care Glucose Meters.** *Journal of diabetes science and technology*  
Ekhlaspour, L., Mondesir, D., Lautsch, N., Balliro, C., Hillard, M., Magyar, K., Radocchia, L. G., Esmaeili, A., Sinha, M., Russell, S. J.  
2017; 11 (3): 558–66
- **Day and night glycaemic control with a bionic pancreas versus conventional insulin pump therapy in preadolescent children with type 1 diabetes: a randomised crossover trial.** *The lancet. Diabetes & endocrinology*  
Russell, S. J., Hillard, M. A., Balliro, C., Magyar, K. L., Selagamsetty, R., Sinha, M., Grennan, K., Mondesir, D., Ekhlaspour, L., Zheng, H., Damiano, E. R., El-Khatib, F. H.  
2016; 4 (3): 233–43
- **Bone Density in Adolescents and Young Adults with Autism Spectrum Disorders.** *Journal of autism and developmental disorders*  
Ekhlaspour, L., Baskaran, C., Campoverde, K. J., Sokoloff, N. C., Neumeier, A. M., Misra, M.  
2016; 46 (11): 3387–91