

# Stanford

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## Marina Basina

Clinical Professor, Medicine - Endocrinology, Gerontology, & Metabolism

### CLINICAL OFFICE (PRIMARY)

- **Endocrine Clinic within Ambulatory Care Clinic**

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### Bio

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#### BIO

Dr Basina is a clinical endocrinologist and clinical researcher with a focus on diabetes management, thyroid, and adrenal conditions. Her primary interests are in Type 1 Diabetes, Diabetes technology, and Diabetes in pregnancy. Dr Basina is Board certified in Endocrinology and Internal Medicine.

She received numerous teaching awards and Stanford Hospital award for excellence in patient care.

She is an active member of medical advisory boards for several community diabetes organizations. Dr Basina is a medical director of inpatient diabetes program at Stanford and a chair of diabetes task force.

#### CLINICAL FOCUS

- Diabetes Mellitus Type 1 and DM technology
- Endocrinology
- Type 1 Diabetes Mellitus
- Type 2 Diabetes Mellitus
- Thyroid Diseases
- Diabetes and Metabolism
- adrenal disorders
- Diabetes Mellitus type 1

#### ACADEMIC APPOINTMENTS

- Clinical Professor, Medicine - Endocrinology, Gerontology, & Metabolism

#### ADMINISTRATIVE APPOINTMENTS

- Member, Stanford Diabetes Research Center, Stanford University, (2017- present)
- Medical Director of Inpatient Diabetes, Stanford Hospital and Clinics, (2012- present)

#### HONORS AND AWARDS

- Excellence in Service Award, Stanford Healthcare (2019)

- Master Teacher Award, Stanford University (2018)
- Stanford University Division of Endocrinology Fellows Teaching Award, Stanford University (2016, 2017, 2018)
- Alwin C. Rambar-James B. D. Mark Award for Excellence in patient care, Stanford University (2014)
- Stanford University Division of Endocrinology Fellows Teaching Award, Stanford University (2009, 2010, 2012, 2013, 2014, 2015)
- Top Recommended Doctor, Bay Area Consumer Report Magazine (2007)
- House staff Award for Demonstrating Excellence in Clinical Teaching, Kaiser Permanente Internal Medicine Residency Program (2004)

## **BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS**

- Medical Advisory Board Member, BeyondType1 (2016 - present)
- Advisory Board Member, Cardiac Therapy Foundation (2012 - present)
- Advisory Board Member, CarbDM Seize Diabetes (2012 - present)
- Chair Diabetes Task Force, Stanford University (2009 - present)
- Member, Endocrine Society (2001 - present)
- Member, American Diabetes Association (2001 - present)

## **PROFESSIONAL EDUCATION**

- Board Certification: Internal Medicine, American Board of Internal Medicine (2013)
- Fellowship: Stanford University Endocrinology Fellowship (2003) CA
- Medical Education: N.I. Pirogov Second Moscow Medical Institute (1987) Russia
- Board Certification, American Board of Internal Medicine , Endocrinology, Diabetes and Metabolism (2013)
- Board Certification: Endocrinology, Diabetes and Metabolism, American Board of Internal Medicine (2003)
- Residency: UCLA/West Los Angeles VAMC (2001) CA
- Internship: UCLA/West Los Angeles VAMC (1999) CA
- Board Certification, Board of Internal Medicine , Internal Medicine (2001)
- Board Certification, Board of Internal Medicine , Endocrinology and Diabetes (2003)
- Fellowship, Stanford University , Endocrinology (2003)
- Residency, UCLA/West LA VA , Internal Medicine (2001)
- Internship, UCLA/West LA VA , Medicine (1999)
- MD, Moscow Medical School, Russia , Medicine (1987)

## **Research & Scholarship**

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### **RESEARCH INTERESTS**

- Technology and Education

### **CURRENT RESEARCH AND SCHOLARLY INTERESTS**

Diabetes type I and type II, insulin pump therapy, glucose sensor technology, insulin resistance, PCOS, thyroid disorders

### **CLINICAL TRIALS**

- Diabetes RElated to Acute Pancreatitis and Its Mechanisms, Recruiting
- A Trial Comparing the Efficacy and Safety of Insulin Degludec and Insulin Glargine 300 Units/mL in Subjects With Type 2 Diabetes Mellitus Inadequately Treated With Basal Insulin With or Without Oral Antidiabetic Drugs, Not Recruiting
- Evaluation of Fiasp® (Fast Acting Insulin Aspart) in 670G Hybrid Closed-Loop Therapy, Not Recruiting

- Evaluation of the Integrated Radio Frequency Denervation System to Improve Glycemic Control in Type 2 Diabetic Subjects, Not Recruiting
- Overcoming Barriers and Obstacles to Adopting Diabetes Devices, Not Recruiting
- Overcoming Barriers and Obstacles to Adopting Diabetes Devices (ONBOARD) Trial, Not Recruiting
- Rosiglitazone-Induced Weight Gain, Not Recruiting
- Stroke Hyperglycemia Insulin Network Effort (SHINE) Trial, Not Recruiting

## Teaching

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### COURSES

#### 2024-25

- Diabetes 101 for Healthcare Providers: MED 297 (Win)

#### 2023-24

- Diabetes 101 for Healthcare Providers: MED 297 (Win)

#### 2022-23

- Diabetes 101 for Healthcare Providers: MED 297 (Win)

#### 2021-22

- Diabetes 101 for Healthcare Providers: MED 297 (Win)

## Publications

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### PUBLICATIONS

- **Prevalence of fear of hypoglycemia in adults with type 1 diabetes using a newly developed screener and clinician's perspective on its implementation.** *BMJ open diabetes research & care*  
Peter, M. E., Rioles, N., Liu, J., Chapman, K., Wolf, W. A., Nguyen, H., Basina, M., Akturk, H. K., Ebekoziens, O., Perez-Nieves, M., Poon, J. L., Mitchell, B.  
2023; 11 (4)
- **Correction: Implementation of Psychosocial Screening into Diabetes Clinics: Experience from the Type 1 Diabetes Exchange Quality Improvement Network.** *Current diabetes reports*  
Corathers, S., Williford, D. N., Kichler, J., Smith, L., Ospelt, E., Rompicherla, S., Roberts, A., Prahalad, P., Basina, M., Munoz, C., Ebekoziens, O.  
2023
- **Project ECHO Diabetes Cost Modeling to Support the Replication and Expansion of Tele-mentoring Programs in Non-research Settings.** *Diabetes therapy : research, treatment and education of diabetes and related disorders*  
Lewit, E. M., Figg, L. E., Addala, A., Filipp, S. L., Lal, R., Gurka, M. J., Herndon, J. B., Haller, M. J., Maahs, D. M., Walker, A. F.  
2023
- **Disparities in Adoption of New Diabetic Therapies with Cardiovascular Benefits.** *Diabetes research and clinical practice*  
Vasti, E. C., Basina, M., Calma, J., Maron, D. J., Rodriguez, F., Sandhu, A. T.  
2022: 110233
- **Implementation of Psychosocial Screening into Diabetes Clinics: Experience from the Type 1 Diabetes Exchange Quality Improvement Network.** *Current diabetes reports*  
Corathers, S., Wilford, D., Kichler, J., Smith, L., Ospelt, E., Rompicherla, S., Roberts, A., Prahalad, P., Basina, M., Munoz, C., Ebekoziens, O.  
2022
- **Effectiveness of a Community-Based Structured Physical Activity Program for Adults With Type 2 Diabetes: A Randomized Clinical Trial.** *JAMA network open*  
Mukherji, A. B., Lu, D., Qin, F., Hedlin, H., Johannsen, N. M., Chung, S., Kobayashi, Y., Haddad, F., Lamendola, C., Basina, M., Talamoa, R., Myers, J., Palaniappan, et al  
2022; 5 (12): e2247858
- **Multicenter, Randomized Trial of a Bionic Pancreas in Type 1 Diabetes.** *The New England journal of medicine*

- Russell, S. J., Beck, R. W., Damiano, E. R., El-Khatib, F. H., Ruedy, K. J., Balliro, C. A., Li, Z., Calhoun, P., Wadwa, R. P., Buckingham, B., Zhou, K., Daniels, M., Raskin, et al  
2022; 387 (13): 1161-1172
- **Novel cause of postoperative anion gap acidosis in a patient with diabetes following gastrectomy.** *Trauma surgery & acute care open*  
Muhammad, H. A., Narayan, R. R., Basina, M., Poultsides, G. A.  
2022; 7 (1): e000977
  - **Novel cause of postoperative anion gap acidosis in a patient with diabetes following gastrectomy** *TRAUMA SURGERY & ACUTE CARE OPEN*  
Muhammad, H. A., Narayan, R. R., Basina, M., Poultsides, G. A.  
2022; 7 (1)
  - **Recruitment and Retention Strategies for the Diabetes Related to Acute Pancreatitis and Its Mechanisms Study: From the Type 1 Diabetes in Acute Pancreatitis Consortium.** *Pancreas*  
Yazici, C., Dyer, A., Conwell, D. L., Afghani, E., Andersen, D. K., Basina, M., Bellin, M. D., Boone, L. R., Casu, A., Easler, J. J., Greenbaum, C. J., Hart, P. A., Jeon, et al  
2022; 51 (6): 598-603
  - **Assessing the Pathophysiology of Hyperglycemia in the Diabetes Related to Acute Pancreatitis and Its Mechanisms Study: From the Type 1 Diabetes in Acute Pancreatitis Consortium.** *Pancreas*  
Dungan, K. M., Hart, P. A., Andersen, D. K., Basina, M., Chinchilli, V. M., Danielson, K. K., Evans-Molina, C., Goodarzi, M. O., Greenbaum, C. J., Kalyani, R. R., Laughlin, M. R., Pichardo-Lowden, A., Pratley, et al  
2022; 51 (6): 575-579
  - **Tele-education model for primary care providers to advance diabetes equity: Findings from Project ECHO Diabetes.** *Frontiers in endocrinology*  
Addala, A., Filipp, S. L., Figg, L. E., Anez-Zabala, C., Lal, R. A., Gurka, M. J., Haller, M. J., Maahs, D. M., Walker, A. F., Project ECHO Diabetes Research Team, Haller, M., Sheehan, E., Bernier, A., et al  
2022; 13: 1066521
  - **Facilitators and Barriers to Smart Insulin Pen Use: A Mixed-Method Study of Multidisciplinary Stakeholders From Diabetes Teams in the United States.** *Clinical diabetes : a publication of the American Diabetes Association*  
Ospelt, E., Noor, N., Sanchez, J., Nelson, G., Riales, N., Malik, F. S., Basina, M., Indyk, J., Vendrame, F., Schmitt, J., Scott, M. L., Ebekoziien, O.  
2022; 41 (1): 56-67
  - **Impact of diabetes mellitus on clinical outcomes after heart transplantation.** *Clinical transplantation*  
Feng, K. Y., Henriksen, E. J., Wayda, B., Moayedi, Y., Lee, R., Han, J., Multani, A., Yang, W., Purewal, S., Puing, A. G., Basina, M., Teuteberg, J. J., Khush, et al  
2021
  - **Democratizing type 1 diabetes specialty care in the primary care setting to reduce health disparities: project extension for community healthcare outcomes (ECHO) T1D.** *BMJ open diabetes research & care*  
Walker, A. F., Cuttriss, N., Haller, M. J., Hood, K. K., Gurka, M. J., Filipp, S. L., Anez-Zabala, C., Yabut, K., Roque, X., Wong, J. J., Baer, L., Figg, L., Bernier, et al  
2021; 9 (1)
  - **Inequities in Health Outcomes in Children and Adults With Type 1 Diabetes: Data From the T1D Exchange Quality Improvement Collaborative.** *Clinical diabetes : a publication of the American Diabetes Association*  
Majidi, S., Ebekoziien, O., Noor, N., Lyons, S. K., McDonough, R., Gandhi, K., Izquierdo, R., Demeterco-Berggren, C., Polsky, S., Basina, M., Desimone, M., Thomas, I., Riales, et al  
2021; 39 (3): 278-283
  - **"IT'S LIKE LEARNING TO DRIVE A MANUAL CAR": EXPERIENCES OF CONTINUOUS GLUCOSE MONITORING ADOPTION IN ADULTS WITH TYPE 1 DIABETES**  
Wu, C. A., Tanenbaum, M. L., Ngo, J., Hood, K., Hanes, S., Basina, M., Buckingham, B. A., Maahs, D. M.  
OXFORD UNIV PRESS INC.2021: S27
  - **diagnosis of endocrine disease: Diagnosing and classifying diabetes in diseases of the exocrine pancreas.** *European journal of endocrinology*  
Petrov, M. S., Basina, M.  
2021
  - **Predicting Success with a First-Generation Hybrid Closed Loop Artificial Pancreas System among Children, Adolescents, and Young Adults with Type 1 Diabetes: a Model Development and Validation Study.** *Diabetes technology & therapeutics*

Forlenza, G. P., Vigers, T., Berget, C., Messer, L., Lal, R. A., Basina, M., Maahs, D. M., Hood, K., Buckingham, B. A., Wilson, D. M., Wadwa, R. P., Driscoll, K. A., Pyle, et al

2021

- **Age and Hospitalization Risk in People with Type 1 Diabetes and COVID-19: Data from the T1D Exchange Surveillance Study.** *The Journal of clinical endocrinology and metabolism*  
Demeterco-Berggren, C., Ebekozien, O., Rompicherla, S., Jacobsen, L., Accacha, S., Gallagher, M. P., Alonso, G. T., Seyoum, B., Vendrame, F., Haw, S., Basina, M., Levy, C. J., Maahs, et al  
2021
- **Help when you need it: Perspectives of adults with T1D on the support and training they would have wanted when starting CGM.** *Diabetes research and clinical practice*  
Tanenbaum, M. L., Messer, L. H., Wu, C. A., Basina, M., Buckingham, B. A., Hessler, D., Mulvaney, S. A., Maahs, D. M., Hood, K. K.  
2021: 109048
- **ONBOARD: A feasibility study of a telehealth-based continuous glucose monitoring adoption intervention for adults with type 1 diabetes.** *Diabetes technology & therapeutics*  
Tanenbaum, M., Ngo, J., Hanes, S., Basina, M., Buckingham, B. A., Hessler, D., Maahs, D. M., Mulvaney, S. A., Hood, K.  
2021
- **RESULTS OF A 24-WEEK TRIAL OF TECHNOSPHERE INSULIN VERSUS INSULIN ASPART IN TYPE 2 DIABETES.** *Endocrine practice : official journal of the American College of Endocrinology and the American Association of Clinical Endocrinologists*  
Hoogwerf, B. J., Pantalone, K. M., Basina, M. n., Jones, M. C., Grant, M. n., Kendall, D. M.  
2021; 27 (1): 38–43
- **COVID-19 Hospitalization in Adults with Type 1 Diabetes: Results from the T1D Exchange Multi-Center Surveillance Study.** *The Journal of clinical endocrinology and metabolism*  
O'Malley, G., Ebekozien, O., Desimone, M., Pinnaro, C. T., Roberts, A., Polsky, S., Noor, N., Aleppo, G., Basina, M., Tansey, M., Steenkamp, D., Vendrame, F., Lorincz, et al  
2020
- **Assessing The Impact Of Calcitonin In Management Of Hypercalcemia**  
Faheem, M., Abbasi, F., Basina, M.  
WILEY.2020: 54
- **Proposed Use of Continuous Glucose Monitoring for Care of Critically Ill COVID-19 Patients.** *Journal of diabetes science and technology*  
Jankovic, I., Basina, M.  
2020: 1932296820965203
- **High-Parametric Evaluation of Human Invariant Natural Killer T Cells to Delineate Heterogeneity in Allo- and Autoimmunity.** *Blood*  
Erkers, T., Xie, B., Kenyon, L. J., Smith, B., Rieck, M., Jensen, K. P., Ji, X., Basina, M., Strober, S., Negrin, R. S., Maecker, H. T., Meyer, E.  
2020
- **Fast-Acting Insulin Aspart Use with the MiniMed™ 670G System.** *Diabetes technology & therapeutics*  
Hsu, L. J., Buckingham, B. A., Basina, M. n., Ekhlaspour, L. n., von Eyben, R. n., Wang, J. n., Lal, R. A.  
2020
- **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. n., Haller, M. J., Yabut, K. n., Anez-Zabala, C. n., Hood, K. K., Sheehan, E. n., Basina, M. n., Bernier, A. n., 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. n., Aye, T. n., Basina, M. n.  
2020
- **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
- **One Year Clinical Experience of the First Commercial Hybrid Closed-Loop.** *Diabetes care*  
Lal, R. A., Basina, M. n., Maahs, D. M., Hood, K. n., Buckingham, B. n., Wilson, D. M.  
2019
- **A Proinflammatory Invariant Natural Killer T Cells Phenotypic State Associates with Human Graft-Versus-Host Disease Onset and Response**  
Erkers, T., Xei, B., Kenyon, L., Rieck, M., Basina, M., Jensen, K., Strober, S., Negrin, R. S., Maecker, H. T., Meyer, E. H.  
AMER SOC HEMATOLOGY.2018
- **Diagnostic 123I Whole Body Scan Prior to Ablation of Thyroid Remnant in Patients With Papillary Thyroid Cancer: Implications for Clinical Management** *CLINICAL NUCLEAR MEDICINE*  
Song, H., Mosci, C., Akatsu, H., Basina, M., Dosiou, C., Iagaru, A.  
2018; 43 (10): 705-9
- **Age at type 1 diabetes onset: a new risk factor and call for focused treatment** *LANCET*  
Basina, M., Maahs, D. M.  
2018; 392 (10146): 453-54
- **Age at type 1 diabetes onset: a new risk factor and call for focused treatment.** *Lancet (London, England)*  
Basina, M., Maahs, D. M.  
2018; 392 (10146): 453-454
- **Glucose sensor-augmented continuous subcutaneous insulin infusion in patients with diabetic gastroparesis: An open-label pilot prospective study** *PLOS ONE*  
Calles-Escandon, J., Koch, K. L., Hasler, W. L., Van Natta, M. L., Pasricha, P. J., Tonascia, J., Parkman, H. P., Hamilton, F., Herman, W. H., Basina, M., Buckingham, B., Earle, K., Kirkeby, et al  
2018; 13 (4): e0194759
- **T1-REDEEM: A Randomized Controlled Trial to Reduce Diabetes Distress Among Adults With Type 1 Diabetes.** *Diabetes care*  
Fisher, L. n., Hessler, D. n., Polonsky, W. H., Masharani, U. n., Guzman, S. n., Bowyer, V. n., Strycker, L. n., Ahmann, A. n., Basina, M. n., Blumer, I. n., Chloe, C. n., Kim, S. n., Peters, et al  
2018
- **Postmenopausal Hyperandrogenism.** *Journal of women's health care*  
Lal, R. A., Basina, M.  
2018; 7 (1)
- **Use of a Continuous Subcutaneous Insulin Infusion Patch Pump in a Blind Patient with Type 1 Diabetes and Major Complications: Case Report**  
Simos, A., Basina, M.  
AMER DIABETES ASSOC.2016: A20
- **Successful long-term treatment of Cushing disease with mifepristone (RU486).** *Endocrine practice*  
Basina, M., Liu, H., Hoffman, A. R., Feldman, D.  
2012; 18 (5): e114-20
- **A rare case of an aldosterone secreting metastatic adrenocortical carcinoma and papillary thyroid carcinoma in a 31-year-old male.** *Rare tumors*  
Wanta, S. M., Basina, M., Chang, S. D., Chang, D. T., Ford, J. M., Greco, R., Kingham, K., Merritt, R. E., Kunz, P. L.  
2011; 3 (4)
- **Clinical efficacy of two hypocaloric diets that vary in overweight patients with type 2 diabetes - Comparison of moderate fat versus carbohydrate reductions** *DIABETES CARE*  
McLaughlin, T., Carter, S., Lamendola, C., Abbasi, F., Schaaf, P., Basina, M., Reaven, G.  
2007; 30 (7): 1877-1879
- **Effects of moderate variations in macronutrient composition on weight loss and reduction in cardiovascular disease risk in obese, insulin-resistant adults** *AMERICAN JOURNAL OF CLINICAL NUTRITION*  
McLaughlin, T., Carter, S., Lamendola, C., Abbasi, F., Yee, G., Schaaf, P., Basina, M., Reaven, G.

2006; 84 (4): 813-821

- **Metabolic and ovarian effects of rosiglitazone treatment for 12 weeks in insulin-resistant women with polycystic ovary syndrome** *HUMAN REPRODUCTION*

Cataldo, N. A., Abbasi, F., McLaughlin, T. L., Basina, M., Fechner, P. Y., Giudice, L. C., Reaven, G. M.

2006; 21 (1): 109-120

- **Effectiveness of Diabetes Management: is Improvement Feasible?** *American Journal of Medicine*

Marina Basina, Frederick B Kraemer

2002; 112 (8)

- **Utilization of Thyrogen.** *Thyroid*

Weisler, S., Basina, M, Hershman JM

2001; 11 (11)