Stanford



Marilyn Tan

Clinical Professor, Medicine - Endocrinology, Gerontology, & Metabolism

CLINICAL OFFICE (PRIMARY)

- **Boswell Endocrine Clinic**
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Bio

BIO

Dr. Marilyn Tan, MD, FACE, FACP is double board certified in Endocrinology and Internal Medicine. She is a Clinical Professor of Medicine at Stanford University School of Medicine and is Chief of the Endocrine Clinic at Stanford Health Care. Dr. Tan practices general endocrinology, but her main clinical interests are outpatient and inpatient diabetes management. Her research interests include diabetes and post bariatric hypoglycemia, and her other academic work includes value based care and quality improvement. She is also actively involved in resident and fellow education and mentorship.

CLINICAL FOCUS

- Endocrinology
- Diabetes Mellitus
- Diabetes and Metabolism

ACADEMIC APPOINTMENTS

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

ADMINISTRATIVE APPOINTMENTS

- Clinic Chief, Endocrine Clinic, Stanford Health Care, (2016- present)
- Executive Sponsor, Redwood City Clinical Program Advisory Committee, Stanford Health Care, (2018- present)
- Physician Lead and Co-Chair, Clinic Performance Team 2, Stanford Health Care, (2019-2024)
- Co-Director of Value Based Care - Endocrinology, Stanford Health Care, (2020- present)
- Associate Program Director, Endocrinology Fellowship Training Program, Stanford University School of Medicine, (2017-2019)
- Endocrinology Clerkship Director, Stanford University School of Medicine, (2015-2017)
- Resident Rotation Director, Stanford University School of Medicine, (2014-2017)
- Member, Diabetes Task Force, Stanford Health Care, (2012- present)
- Member, Stanford Diabetes Research Center, Stanford University School of Medicine, (2017- present)
- Member, Clinic Advisory Council, Stanford Health Care, (2019-2024)

HONORS AND AWARDS

- Division of Endocrinology Clinical Excellence Award 2025-2026, Stanford University School of Medicine (2026)
- Fellow, American College of Physicians (2025)
- Cost Savings Reinvestment Program Recognition, Stanford Health Care (2024)
- Fellow, Endocrine Alliance Academy (2022)
- Department of Medicine Teaching Award (Endocrinology), Stanford University School of Medicine (2021)
- Fellow, American Association of Clinical Endocrinology (2021)
- Honors Certificate in Medical Education, Stanford University School of Medicine (2016)
- Physician Educator, Stanford Japan Program (Tokushima, Japan) (2016)
- Focus on Fellows Award, American Diabetes Association (2014)
- Physician Educator, Stanford Japan Program (Okinawa, Japan) (2013)
- Northern California Regional Poster Finalist, American College of Physicians (2012)
- 1st Place Stanford 2020 QI Challenge, Stanford Hospital and Clinics (2010)
- Phi Beta Kappa, University of California, Berkeley (2004)
- Regents and Chancellor's Scholar, University of California, Berkeley (2001)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, American Association of Clinical Endocrinologists (2012 - present)
- Member, Endocrine Society (2012 - present)
- Member, American Diabetes Association (2012 - present)

PROFESSIONAL EDUCATION

- Board Certification, American Board of Internal Medicine , Endocrinology, Diabetes and Metabolism (2024)
- Board Certification, American Board of Internal Medicine , Internal Medicine (2022)
- Fellowship: Stanford University Endocrinology Fellowship (2014) CA
- Residency: Stanford University Internal Medicine Residency (2012) CA
- Medical Education: Boston University School of Medicine (2009) MA
- Board Certification: Endocrinology, Diabetes and Metabolism, American Board of Internal Medicine (2014)
- Board Certification: Internal Medicine, American Board of Internal Medicine (2012)
- BA, University of California, Berkeley , Molecular and Cell Biology (Magna Cum Laude) (2005)

COMMUNITY AND INTERNATIONAL WORK

- Objective Structured Clinical Examination (OSCE) Volunteer Faculty, Japan
- UC Berkeley Regents and Chancellors Scholarship Association

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Type 2 diabetes, obesity, insulin resistance

CLINICAL TRIALS

- Avexitide Safety and Efficacy to Treat Acquired Hyperinsulinemic Hypoglycemia, Not Recruiting

- Effect of Albiglutide, When Added to Standard Blood Glucose Lowering Therapies, on Major Cardiovascular Events in Subjects With Type 2 Diabetes Mellitus, Not Recruiting
- Efficacy, Tolerability and Pharmacokinetics of Subcutaneous Exendin (9-39) in Patients With Post Bariatric Hypoglycemia, Not Recruiting
- Safety and Efficacy of EndoBarrier in Subjects With Type 2 Diabetes Who Are Obese, Not Recruiting
- Safety and Efficacy of Exendin 9-39 in Patients With Postbariatric Hypoglycemia, Not Recruiting

PROJECTS

- Improving Quality in Resident Continuity Clinics through Core Measure Education and Assessment - Stanford University School of Medicine
- Improving Patient Centered Care Through the Use of Whiteboards - Stanford Hospital and Clinics
- Protocol for Post Operative Endocrine Management Following Pituitary Surgery - Stanford Hospital and Clinics
- Seminal Articles in Endocrinology - A Formalized Curriculum - Stanford University School of Medicine
- Stanford University School of Medicine Lane Library Endocrinology Portal - Stanford University

Teaching

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Endocrinology (Fellowship Program)

Publications

PUBLICATIONS

- **Peer Referral Pathways and 6-Month Outcomes in a Tirzepatide-Supported Digital Weight Loss Service: Retrospective Cohort Study.** *Journal of medical Internet research*
  Talay, L., Swinckels, L., Hom, J., Tan, M., Ahuja, N.
  2026; 28: e105583
- **Efficacy and safety of avexitide for treatment of hypoglycemia following bariatric and other upper gastrointestinal surgeries: a phase 2b study.** *Metabolism: clinical and experimental*
  Craig, C., Tan, M., Shamloo, T., Perelman, D., McLaughlin, T.
  2026: 156773
- **Digital Engagement Phenotypes and 6-Month Weight Loss in a Tirzepatide-Supported Digital Weight-Loss Program: A Retrospective Cohort Study.** *Medicina (Kaunas, Lithuania)*
  Talay, L., Xu, C., Hom, J., Swinckels, L., Tan, M., Alderete, J., Ahuja, N.
  2026; 62 (9)
- **AI Patient Support and 6-Month Medication Adherence in a Digital Obesity Program: A Retrospective Analysis.** *Diabetes, obesity & metabolism*
  Talay, L., Xu, C., Alderete, J., Hom, J., Tan, M., Ahuja, N.
  2026
- **Ersodetug for Refractory Hypoglycemia Due to Malignant Insulin-Secreting Tumors.** *The Journal of clinical endocrinology and metabolism*
  Strosberg, J., Brown, S. M., Shaheen, S., Tan, M., Noreña, J. A., Yerevanian, A. I., Lester, L., Wilson, L. M., Hamnvik, O. R., Hofland, J., Sidhu, J. K., Saha, G., Hood, et al
  2026
- **Real-World Effectiveness and 12-Month Persistence of a Semaglutide-Supported Digital Weight-Loss Service: A Retrospective Cohort Study in Germany.** *Diabetes, obesity & metabolism*
  Talay, L., Hom, J., Tan, M., Ahuja, N.
  2026
- **Smartphone-based App to Assess Diabetic Peripheral Neuropathy.** *Journal of diabetes science and technology*
  Adenekan, R. A., Adenekan, A. E., Leung, K. K., Muppidi, S., Sakamuri, S., Tan, M., Tsai, S. A., Osikomaiya, M., Okamura, A. M., Nunez, C. M., Kim, S. H., Yoshida, K. T.

2026: 19322968261426385

- **A Phase 3, Multicenter, Randomized, Double-Blind Placebo-Controlled Study to Evaluate the Efficacy and Safety of Avexitide in Post-Bariatric Hypoglycemia (LUCIDITY)**
  Miller, R., Tan, M., McLaughlin, T., Patti, M., Bijl, S., Hardy, J., Kerthi, J., Timmons, J., Wu, Y., Yang, Z., Mehta, L., Craig, C.
  W B SAUNDERS CO-ELSEVIER INC.2025
- **Targeted Interventions Lead to Quality Improvement in Year 2 of an Artificial Intelligence-Based Diabetic Retinopathy Detection Program in Northern California.** *Retina (Philadelphia, Pa.)*
  Chen, K. M., Zhao, C. S., Knapp, A., Dow, E., Phadke, A., Tan, M., Desai, K., Or, C., Mahajan, V., Do, D. V., Mruthyunjaya, P., Leng, T., Myung, et al
  2025
- **CDC73 c.1155-3A>G is a pathogenic variant that causes aberrant splicing, disrupted parafibromin expression, and hyperparathyroidism-jaw tumor syndrome.** *JBMR plus*
  Needleman, L., Chun, N., Sitaraman, S., Tan, M., Sellmeyer, D. E., Kebebew, E., Annes, J. P.
  2025; 9 (1): ziae149
- **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
- **AI-Human Hybrid Workflow Enhances Teleophthalmology for the Detection of Diabetic Retinopathy.** *Ophthalmology science*
  Dow, E. R., Khan, N. C., Chen, K. M., Mishra, K., Perera, C., Narala, R., Basina, M., Dang, J., Kim, M., Levine, M., Phadke, A., Tan, M., Weng, et al
  2023; 3 (4): 100330
- **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
- **PREVENT: A Randomized, Placebo-Controlled Crossover Trial of Avexitide for Treatment of Post-Bariatric Hypoglycemia.** *The Journal of clinical endocrinology and metabolism*
  Craig, C. M., Lawler, H. M., Lee, C. J., Tan, M., Davis, D. B., Tong, J., Glodowski, M., Rogowitz, E., Karaman, R., McLaughlin, T. L., Porter, L.
  2021
- **A miniaturized optoelectronic biosensor for real-time point-of-care total protein analysis.** *MethodsX*
  Vermesh, O., Mahzabeen, F., Levi, J., Tan, M., Alam, I. S., Chan, C. T., Gambhir, S. S., Harris, J. S.
  2021; 8: 101414
- **Real-time point-of-care total protein measurement with a miniaturized optoelectronic biosensor and fast fluorescence-based assay.** *Biosensors & bioelectronics*
  Mahzabeen, F., Vermesh, O., Levi, J., Tan, M., Alam, I. S., Chan, C. T., Gambhir, S. S., Harris, J. S.
  2020: 112823
- **Safety, Efficacy and Pharmacokinetics of Repeat Subcutaneous Dosing of Avexitide (Exendin 9-39) for Treatment of Post-Bariatric Hypoglycemia.** *Diabetes, obesity & metabolism*
  Tan, M., Lamendola, C., Luong, R., McLaughlin, T., Craig, C.
  2020
- **Canagliflozin review - safety and efficacy profile in patients with T2DM.** *Diabetes, metabolic syndrome and obesity : targets and therapy*
  Jakher, H., Chang, T. I., Tan, M., Mahaffey, K. W.
  2019; 12: 209-215
- **A longitudinal big data approach for precision health.** *Nature medicine*
  Schüssler-Fiorenza Rose, S. M., Contrepois, K. n., Moneghetti, K. J., Zhou, W. n., Mishra, T. n., Mataraso, S. n., Dagan-Rosenfeld, O. n., Ganz, A. B., Dunn, J. n., Hornburg, D. n., Rego, S. n., Perelman, D. n., Ahadi, et al
  2019; 25 (5): 792–804

- **Effect of Electronic Clinical Decision Support on 25(OH) Vitamin D Testing.** *Journal of general internal medicine*
  Chin, K. K., Hom, J. n., Tan, M. n., Sharp, C. n., Wang, S. n., Chen, Y. R., Chen, D. n.
  2019

- **Albiglutide and cardiovascular outcomes in patients with type 2 diabetes and cardiovascular disease (Harmony Outcomes): a double-blind, randomised placebo-controlled trial.** *Lancet (London, England)*
  Hernandez, A. F., Green, J. B., Janmohamed, S., D'Agostino, R. B., Granger, C. B., Jones, N. P., Leiter, L. A., Rosenberg, A. E., Sigmon, K. N., Somerville, M. C., Thorpe, K. M., McMurray, J. J., Del Prato, et al
  2018; 392 (10157): 1519-1529

- **Acromegalic cardiomyopathy: Epidemiology, diagnosis, and management.** *Clinical cardiology*
  Sharma, A. N., Tan, M. n., Amsterdam, E. A., Singh, G. D.
  2018; 41 (3): 419–25

- **Power Failure: Acromegalic Cardiomyopathy.** *The American journal of medicine*
  Mantri, N. M., Amsterdam, E. n., Tan, M. n., Singh, G. D.
  2016

- **Does Polycystic Ovarian Syndrome Increase Insulin Resistance Above and Beyond Obesity?** *Endocrinology and Metabolic Syndrome*
  Tan, M., Kim, S. H.
  2014; 3 (142)

- **Patient whiteboards to improve patient-centred care in the hospital.** *Postgraduate medical journal*
  Tan, M., Hooper Evans, K., Braddock, C. H., Shieh, L.
  2013; 89 (1056): 604-609

- **Metastatic Burkitt's lymphoma presenting as diabetes insipidus.** *Endocrine practice*
  Tan, M. J., Aguinaldo, T. F.
  2013; 19 (4): e102-4

- **What is the Relationship between PCOS and Insulin Resistance?**
  Tan, M. J., Kim, S. H.
  AMER DIABETES ASSOC.2012: A418–A419

- **Malignant Pheochromocytoma Presenting as Incapacitating Bony Pain** *PAIN PRACTICE*
  Tan, M., Camargo, C. A., Mojtahed, A., Mihm, F.
  2012; 12 (4): 286-289

- **28-Day Dosing with Avexitide Improves Hyperinsulinemic Hypoglycemia in Patients with Severe, Refractory Post-Bariatric Hypoglycemia: The PREVENT Study** *Endocrine Society*
  Lee, C., Lawler, H., Tan, M., Davis, D., Tong, J., Glodowski, M., Rogowitz, E., Lamendola, C., Karaman, R., Dar, M., Porter, L., Craig, C.
  2019

- **Repeat Subcutaneous Dosing of Exendin 9-39 Reduces Hyperinsulinemic Hypoglycemia and Neuroglycopenic Symptoms in Patients with Post-Bariatric Hypoglycemia** *American Diabetes Association 77th Scientific Sessions*
  Tan, M., Luong, R., Lamendola, C., Liu, L., Craig, C.
  2017