



Chrysoula Dosiou

Clinical Professor, Medicine - Endocrinology, Gerontology, & Metabolism

CLINICAL OFFICE (PRIMARY)

- **Endocrinology Clinic**

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Bio

BIO

Dr. Dosiou specializes in the treatment of patients with thyroid disease. She has a special interest in the evaluation and treatment of thyroid disease in the setting of pregnancy and the care of patients with thyroid-eye disease.

CLINICAL FOCUS

- Thyroid Dysfunction in Pregnancy
- Graves' Disease
- Hyperthyroidism
- Thyroid eye disease
- Endocrinology
- Diabetes and Metabolism

ACADEMIC APPOINTMENTS

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

ADMINISTRATIVE APPOINTMENTS

- Medical Director, Thyroid Eye Clinic, Stanford University School of Medicine, (2009- present)
- Program Director, Endocrinology Fellowship, Stanford University School of Medicine, (2014-2023)

PROFESSIONAL EDUCATION

- Fellowship: Stanford University Endocrinology Fellowship (2003) CA
- Fellowship: Stanford University Hematology and Oncology Fellowship (2001) CA
- Residency: UCSF Department of Medicine (2000) CA
- Internship: UCSF Department of Medicine (1998) CA
- Board Certification: Endocrinology, Diabetes and Metabolism, American Board of Internal Medicine (2003)
- Medical Education: Harvard Medical School (1997) MA

- MS, Stanford University , Epidemiology (2006)
- BA, Harvard College , Biology (1993)
- MD, Harvard Medical School , Medicine (1997)

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

I am highly interested in the interactions between the endocrine and immune systems in women. Current clinical research interests lie in the field of autoimmune thyroid disease, especially thyroid autoimmunity in pregnancy.

Teaching

STANFORD ADVISEES

Postdoctoral Research Mentor

Tamaryn Fox

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Endocrinology (Fellowship Program)

Publications

PUBLICATIONS

- **The Efficacy and Safety of Teprotumumab in Geriatrics Patients: A Multicenter Study.** *Ophthalmic plastic and reconstructive surgery*
Shah, S. A., Chandraparnik, P., Choi, S., Amarikwa, L., Guniganti, R., Walsh, H. L., Rubio, R. H., Linaburg, T., Meyer, E., Reem, K., Sears, C., Goldin, M., Kinde, et al
2025
- **Risk of developing thyroid eye disease in patients with thyroid dysfunction that received a COVID-19 vaccination.** *Canadian journal of ophthalmology. Journal canadien d'ophtalmologie*
Amarikwa, L., Chandraparnik, P., Wai, K. M., Rahimy, E., Kinde, B., Koo, E., Ludwig, C. A., Dosiou, C., Mruthyunjaya, P., Kossler, A. L.
2025
- **The evolving therapeutic landscape of Graves' disease in adults: present and future.** *European thyroid journal*
Stan, M. N., Dosiou, C.
2025
- **Thyroid eye disease: Management, Advances and Future Opportunities.** *Endocrine practice : official journal of the American College of Endocrinology and the American Association of Clinical Endocrinologists*
Fox, T., Kossler, A., Dosiou, C.
2025
- **Risk Factors for Thyroid Function Test Abnormalities During Pregnancy: A Systematic Review of the Literature to Validate Current Risk Factors and Identify Novel Ones.** *Thyroid : official journal of the American Thyroid Association*
Liu, Y., Osinga, J. A., Maraka, S., Bliddal, S., Alexander, E. K., Dosiou, C., Boelaert, K., Brenta, G., Krabbendam, E., Eaton, J. L., Guan, H., Lee, S. Y., Morris-Wiseman, et al
2025
- **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
- **Presentation and Management of Highly Differentiated Follicular Carcinoma of Ovarian Origin With DICER1 Gene Variants.** *JCEM case reports*
Seav, S., Atiq, M., Lo, Y. C., Shah, J., Dorigo, O., Dosiou, C.

2024; 2 (12): luae223

- **Innovate Thyroid Eye Disease 2024 Multidisciplinary Symposium-April 26-28, 2024, Napa, California** *OPHTHALMIC PLASTIC AND RECONSTRUCTIVE SURGERY*
Kossler, A. L., Stan, M., Kazim, M., Dosiou, C.
2024; 40 (6): 714
- **Subclinical Hypothyroidism and Thyroid Autoimmunity in Pregnancy: To Treat or Not to Treat.** *Endocrinology and metabolism clinics of North America*
Maraka, S., Dosiou, C.
2024; 53 (3): 363-376
- **Re: Shah et al.: Teprotumumab-related adverse events in thyroid eye disease: a multicenter study (<i>Ophthalmology</i> 2024;131:458-467) REPLY** *OPHTHALMOLOGY*
Shah, S. A., Amariqwa, L., Sears, C. M., Clauss, K. D., Rajjoub, R. D., Kang, J. Y., Tamhankar, M. A., Briceño, C. A., Harrison, A. R., Cockerham, K. P., Wester, S. T., Douglas, R. S., Dosiou, et al
2024; 131 (6): e27-e28
- **Recurrent or Progressive Dysthyroid Optic Neuropathy After Teprotumumab Therapy: A Case Series**
Shah, S., Chandraparnik, P., Kikani, B., Dosiou, C., Kossler, A.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2024
- **Are patients with Graves' Ophthalmopathy at risk for hyperglycemia?**
Kikani, B., Wai, K., Rahimy, E., Dosiou, C., Kim, S. H., Mruthyunjaya, P., Kossler, A.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2024
- **Risk Factors for Thyroid Dysfunction in Pregnancy: An Individual Participant Data Meta-Analysis.** *Thyroid : official journal of the American Thyroid Association*
Osinga, J. A., Liu, Y., Männistö, T., Vafeiadi, M., Tao, F. B., Vaidya, B., Vrijkotte, T. G., Mosso, L., Bassols, J., López-Bermejo, A., Boucai, L., Aminorroaya, A., Feldt-Rasmussen, et al
2024
- **Reply.** *Ophthalmology*
Shah, S. A., Amariqwa, L., Sears, C. M., Clauss, K. D., Rajjoub, R. D., Kang, J. Y., Tamhankar, M. A., Briceño, C. A., Harrison, A. R., Cockerham, K. P., Wester, S. T., Douglas, R. S., Dosiou, et al
2024
- **"Teprotumumab for inactive thyroid eye disease? The jury is still out."** *The Journal of clinical endocrinology and metabolism*
Dosiou, C.
2024
- **Teprotumumab-Related Adverse Events in Thyroid Eye Disease: A Multi-Center Study.** *Ophthalmology*
Shah, S. A., Amariqwa, L., Sears, C. M., Clauss, K. D., Rajjoub, R. D., Kang, J. Y., Tamhankar, M. A., Briceño, C. A., Harrison, A. R., Dosiou, C. C., Cockerham, K. P., Wester, S. T., Douglas, et al
2023
- **Reduction of Teprotumumab-Induced Hearing Loss With Comparable Efficacy Using Half-Dose Therapy.** *Ophthalmic plastic and reconstructive surgery*
Phansalkar, R., Lu, T., Alyono, J., Lee, J., Dosiou, C., Kossler, A. L.
2023
- **Oral Corticosteroids for Teprotumumab-Related Hearing Loss: A Case Report.** *Case reports in ophthalmology*
Lu, T. J., Amariqwa, L., Winn, B. J., Inserra, M., Dosiou, C., Kossler, A. L.
2023; 14 (1): 134-139
- **Use of the Community of Inquiry Framework to Measure Student and Facilitator Perceptions of Online Flipped Classroom Compared with Online Lecture Learning in Undergraduate Medical Education.** *Advances in medical education and practice*
Chang, J. J., Hain, A., Dosiou, C., Gesundheit, N.
2023; 14: 963-972
- **Teprotumumab-related hyperglycemia.** *The Journal of clinical endocrinology and metabolism*
Amariqwa, L., Mohamed, A., Kim, S. H., Kossler, A. L., Dosiou, C.

2022

- **New onset or deterioration of thyroid eye disease after mRNA SARS-CoV-2 vaccines:report of 2 cases and literature review.** *The Journal of clinical endocrinology and metabolism*
Mohamed, A., Tzoulis, P., Kossler, A. L., Dosiou, C.
2022
- **A survey on the management of thyroid eye disease among American and European Thyroid Association members.** *Thyroid : official journal of the American Thyroid Association*
Brito, J. P., Nagy, E. V., Singh Ospina, N. M., Zarkovic, M., Dosiou, C., Fichter, N., Lucarelli, M. J., Hegedus, L.
2022
- **Teprotumumab and the Evolving Therapeutic Landscape in Thyroid Eye Disease** *JOURNAL OF CLINICAL ENDOCRINOLOGY & METABOLISM*
Kossler, A., Douglas, R., Dosiou, C.
2022; 107: S36-S46
- **Teprotumumab and the Evolving Therapeutic Landscape in Thyroid Eye Disease.** *The Journal of clinical endocrinology and metabolism*
Kossler, A. L., Douglas, R., Dosiou, C.
2022; 107 (Supplement_1): S36-S46
- **Comparison of treatment cost and quality-of-life impact of thyroid eye disease therapies**
Shah, S., Lu, T., Yu, M., Hiniker, S., Dosiou, C., Kossler, A.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2022
- **Teprotumumab-related hearing loss treated with oral corticosteroids**
Amarikwa, L., Lu, T., Inserra, M., Winn, B., Dosiou, C., Kossler, A.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2022
- **Long-term real world teprotumumab outcomes**
Lu, T., Bair, H., AmariKwa, L., Diniz, S., Singh, P., Clauss, K., Dosiou, C., Wester, S., Rootman, D., Kossler, A.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2022
- **Hearing Dysfunction After Treatment with Teprotumumab for Thyroid Eye Disease.** *American journal of ophthalmology*
Sears, C. M., Azad, A. D., AmariKwa, L., Pham, B. H., Men, C. J., Kaplan, D. N., Liu, J., Hoffman, A. R., Swanson, A., Alyono, J., Lee, J. Y., Dosiou, C., Kossler, et al
2022
- **NTRK, RET, BRAF, and ALK fusions in thyroid fine-needle aspirates (FNAs).**
Wirth, L. J., Hu, M., Waguespack, S. G., Dosiou, C., Ladenson, P., Livhits, M. J., Sadow, P. M., Krane, J., Stack, B. C., Zafereo, M., Ali, S. Z., Weitzman, S. P., Hao, et al
LIPPINCOTT WILLIAMS & WILKINS.2021
- **Afirma Genomic Sequencing Classifier & Xpression Atlas Molecular Findings in Consecutive Bethesda III-VI Thyroid Nodules.** *The Journal of clinical endocrinology and metabolism*
Hu, M. I., Waguespack, S. G., Dosiou, C., Ladenson, P. W., Livhits, M. J., Wirth, L. J., Sadow, P. M., Krane, J. F., Stack, B. C., Zafereo, M. E., Ali, S. Z., Weitzman, S. P., Hao, et al
2021
- **Thyroid Eye Disease: Navigating the New Treatment Landscape.** *Journal of the Endocrine Society*
Dosiou, C., Kossler, A. L.
2021; 5 (5): bvab034
- **Thyroid and Fertility: Recent Advances.** *Thyroid : official journal of the American Thyroid Association*
Dosiou, C.
2020
- **Teprotumumab for Dysthyroid Optic Neuropathy: Early Response to Therapy.** *Ophthalmic plastic and reconstructive surgery*
Sears, C. M., Azad, A. D., Dosiou, C. n., Kossler, A. L.
2020

- **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
- **A Novel G385E Variant in the Cold Region of the T3-Binding Domain of Thyroid Hormone Receptor Beta Gene and Investigations to Assess Its Clinical Significance.** *European thyroid journal*
Korwutthikulrangsri, M., Dosiou, C., Dumitrescu, A. M., Refetoff, S.
2019; 8 (6): 293–97
- **The TABLET trial: limitations and implications.** *BMC medicine*
Dosiou, C., Stagnaro-Green, A.
2019; 17 (1): 126
- **The Guided Transition of Care**
Lal, R., Maahs, D. M., Dosiou, C., Aye, T., Basina, M.
AMER DIABETES ASSOC.2019
- **Radioactive iodine in differentiated thyroid cancer: a national database perspective.** *Endocrine-related cancer*
Orosco, R. n., Hussain, T. n., Noel, J. E., Chang, D. n., Dosiou, C. n., Mitra, E. n., Divi, V. n., Orloff, L. n.
2019
- **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
- **2017 Guidelines of the American Thyroid Association for the Diagnosis and Management of Thyroid Disease During Pregnancy and the Postpartum.** *Thyroid*
Alexander, E. K., Pearce, E. N., Brent, G. A., Brown, R. S., Chen, H., Dosiou, C., Grobman, W. A., Laurberg, P., Lazarus, J. H., Mandel, S. J., Peeters, R. P., Sullivan, S.
2017; 27 (3): 315-389
- **MANAGEMENT OF ENDOCRINE DISEASE Isolated maternal hypothyroxinemia during pregnancy: knowns and unknowns** *EUROPEAN JOURNAL OF ENDOCRINOLOGY*
Dosiou, C., Medici, M.
2017; 176 (1): R21-R38
- **CHALLENGE TO THE PARADIGM OF PRENATAL TESTOSTERONE EXPOSURE ON GENDER IDENTITY DEVELOPMENT**
Klink, D. T., Balleur, A., Russell, M., Ehrensaft, D., Vance, S., Bachrach, L., Dosiou, C., Rosenthal, S.
KARGER.2017: 478
- **Development of prognostic signatures for intermediate-risk papillary thyroid cancer.** *BMC cancer*
Brennan, K., Holsinger, C., Dosiou, C., Sunwoo, J. B., Akatsu, H., Haile, R., Gevaert, O.
2016; 16 (1): 736-?
- **Craniosynostosis and risk factors related to thyroid dysfunction.** *American journal of medical genetics. Part A*
Carmichael, S. L., Ma, C., Rasmussen, S. A., Cunningham, M. L., Browne, M. L., Dosiou, C., Lammer, E. J., Shaw, G. M.
2015; 167A (4): 701-707
- **Continued rapid increase in thyroid cancer incidence in California: trends by patient, tumor, and neighborhood characteristics.** *Cancer epidemiology, biomarkers & prevention : a publication of the American Association for Cancer Research, cosponsored by the American Society of Preventive Oncology*
Horn-Ross, P. L., Lichtensztajn, D. Y., Clarke, C. A., Dosiou, C., Oakley-Girvan, I., Reynolds, P., Gomez, S. L., Nelson, D. O.
2014; 23 (6): 1067-1079
- **Cost-Effectiveness of Universal and Risk-Based Screening for Autoimmune Thyroid Disease in Pregnant Women** *JOURNAL OF CLINICAL ENDOCRINOLOGY & METABOLISM*
Dosiou, C., Barnes, J., Schwartz, A., Negro, R., Crapo, L., Stagnaro-Green, A.
2012; 97 (5): 1536-1546

- **Screening pregnant women for autoimmune thyroid disease: a cost-effectiveness analysis** *EUROPEAN JOURNAL OF ENDOCRINOLOGY*
Dosiou, C., Sanders, G. D., Araki, S. S., Crapo, L. M.
2008; 158 (6): 841-851
- **Expression of membrane progesterone receptors on human T lymphocytes and Jurkat cells and activation of G-proteins by progesterone** *JOURNAL OF ENDOCRINOLOGY*
Dosiou, C., Hamilton, A. E., Pang, Y., Overgaard, M. T., Tulac, S., Dong, J., Thomas, P., Giudice, L. C.
2008; 196 (1): 67-77
- **Decidual stromal cell response to paracrine signals from the trophoblast: Amplification of immune and angiogenic modulators** *BIOLOGY OF REPRODUCTION*
Hess, A. P., Hamilton, A. E., Talbi, S., Dosiou, C., Nyegaard, M., Nayak, N., Genbecev-Krtolica, O., Mavrogianis, P., Ferrer, K., Kruessel, J., Fazleabas, A. T., Fisher, S. J., Giudice, et al
2007; 76 (1): 102-117
- **Molecular phenotyping of human endometrium distinguishes menstrual cycle phases and underlying biological processes in normo-ovulatory women** *ENDOCRINOLOGY*
Talbi, S., Hamilton, A. E., Vo, K. C., Tulac, S., Overgaard, M. T., Dosiou, C., Le Shay, N., Nezhat, C. N., Kempson, R., Lessey, B. A., Nayak, N. R., Giudice, L. C.
2006; 147 (3): 1097-1121
- **Natural killer cells in pregnancy and recurrent pregnancy loss: Endocrine and immunologic perspectives** *ENDOCRINE REVIEWS*
Dosiou, C., Giudice, L. C.
2005; 26 (1): 44-62
- **The immune environment in human endometrium during the window of implantation** *AMERICAN JOURNAL OF REPRODUCTIVE IMMUNOLOGY*
Lobo, S. C., Huang, S. T., Germeyer, A., Dosiou, C., Vo, K. C., Tulac, S., Nayak, N. R., Giudice, L. C.
2004; 52 (4): 244-251
- **Silencing lamin A/C in human endometrial stromal cells: a model to investigate endometrial gene function and regulation** *MOLECULAR HUMAN REPRODUCTION*
Tulac, S., Dosiou, C., Suchanek, E., Giudice, L. C.
2004; 10 (10): 705-711
- **Interferon-related and other immune genes are downregulated in peripheral blood leukocytes in the luteal phase of the menstrual cycle** *JOURNAL OF CLINICAL ENDOCRINOLOGY & METABOLISM*
Dosiou, C., Lathi, R. B., Tulac, S., Huang, S. T., Giudice, L. C.
2004; 89 (5): 2501-2504
- **B7-1 is superior to B7-2 costimulation in the induction and maintenance of T cell-mediated antileukemia immunity - Further evidence that B7-1 and B7-2 are functionally distinct** *JOURNAL OF IMMUNOLOGY*
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1996; 156 (3): 1126-1131
- **ROLE OF B7-1 IN MEDIATING AN IMMUNE-RESPONSE TO MYELOID-LEUKEMIA CELLS** *BLOOD*
Matulonis, U. A., Dosiou, C., Lamont, C., Freeman, G. J., Mauch, P., Nadler, L. M., GRIFFIN, J. D.
1995; 85 (9): 2507-2515
- **A POPULATION OF EARLY FETAL THYMOCYTES EXPRESSING FC-GAMMA-RII/III CONTAINS PRECURSORS OF LYMPHOCYTES-T AND NATURAL-KILLER-CELLS** *CELL*
Rodewald, H. R., Moingeon, P., Lucich, J. L., Dosiou, C., Lopez, P., REINHERZ, E. L.
1992; 69 (1): 139-150