

# Stanford

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## Chrysoula Dosiou

Clinical Professor, Medicine - Endocrinology, Gerontology, & Metabolism

### CLINICAL OFFICES

- **Endocrinology Clinic**

Hoover Bldg

211 Quarry Rd

Stanford, CA 94305

**Tel** (650) 723-6961      **Fax** (650) 498-5823

- **Endocrine Clinic within Ambulatory Care Clinic**

300 Pasteur Dr Rm A13

Stanford, CA 94305

**Tel** (650) 723-6961      **Fax** (650) 725-8418

### Bio

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#### 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- present)

#### 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

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### 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

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### GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Endocrinology (Fellowship Program)

## Publications

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### PUBLICATIONS

- **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
- **Teprotumumab-related hyperglycemia.** *The Journal of clinical endocrinology and metabolism*  
Amarikwa, 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*  
Matulonis, U., Dosiou, C., Freeman, G., Lamont, C., Mauch, P., Nadler, L. M., Griffin, L. D.  
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