

Stanford



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Bio

CLINICAL FOCUS

- Internal Medicine
- Endocrinology
- Thyroid Diseases

ACADEMIC APPOINTMENTS

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

PROFESSIONAL EDUCATION

- Medical Education, University of Miami Miller School of Medicine , MD (2009)
- Residency, University of Miami/Jackson Memorial Hospital Internal Med Residency , Internal Medicine (2011)
- Fellowship, University of Miami/Jackson Memorial Hospital Endocrinology Fellowship , Endocrinology (2014)
- Board Certification: Endocrinology, Diabetes and Metabolism, American Board of Internal Medicine (2014)
- Board Certification: Internal Medicine, American Board of Internal Medicine (2013)

LINKS

- PubMed: <https://www.ncbi.nlm.nih.gov/myncbi/1PMFzLI0aXbku/bibliography/public/>
- Google Scholar: <https://scholar.google.com/citations?user=W-otpKUAAAAAJ&hl=en>

Publications

PUBLICATIONS

- **Examination of Neurofilament Light Chain Serum Concentrations, Physical Activity, and Cognitive Decline in Older Adults.** *JAMA network open*
Desai, P., Dhana, K., DeCarli, C., Wilson, R. S., McAninch, E. A., Evans, D. A., Rajan, K. B.
2022; 5 (3): e223596
- **Brain Fog in Hypothyroidism: Understanding the Patient's Perspective.** *Endocrine practice : official journal of the American College of Endocrinology and the American Association of Clinical Endocrinologists*
Ettleson, M. D., Raine, A., Batistuzzo, A., Batista, S. P., McAninch, E., Teixeira, M. C., Jonklaas, J., Laiteerapong, N., Ribeiro, M. O., Bianco, A. C.
2021

- **Comparative effectiveness of levothyroxine, desiccated thyroid extract, and levothyroxine+Liothyronine in hypothyroidism.** *The Journal of clinical endocrinology and metabolism*
Shakir, M. K., Brooks, D. I., McAninch, E. A., Fonseca, T. D., Mai, V. Q., Bianco, A. C., Hoang, T. D.
2021
- **Longitudinal Association of Total Tau Concentrations and Physical Activity With Cognitive Decline in a Population Sample.** *JAMA network open*
Desai, P., Evans, D., Dhana, K., Aggarwal, N. T., Wilson, R. S., McAninch, E., Rajan, K. B.
2021; 4 (8): e2120398
- **Response to Letter to the Editor from Steen Joop Bonnema: (Comparative Effectiveness of Levothyroxine, Desiccated Thyroid Extract, and Levothyroxine+Liothyronine in Hypothyroidism)".** *The Journal of clinical endocrinology and metabolism*
Shakir, M. K., Brooks, D. I., McAninch, E. A., Fonseca, T. D., Mai, V. Q., Bianco, A. C., Hoang, T. D.
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- **Evidence-Based Use of Levothyroxine/Liothyronine Combinations in Treating Hypothyroidism: A Consensus Document.** *Thyroid : official journal of the American Thyroid Association*
Jonklaas, J., Bianco, A. C., Cappola, A. R., Celi, F. S., Fliers, E., Heuer, H., McAninch, E. A., Moeller, L. C., Nygaard, B., Sawka, A. M., Watt, T., Dayan, C. M.
2021; 31 (2): 156-182
- **Evidence-Based Use of Levothyroxine/Liothyronine Combinations in Treating Hypothyroidism: A Consensus Document.** *European thyroid journal*
Jonklaas, J., Bianco, A. C., Cappola, A. R., Celi, F. S., Fliers, E., Heuer, H., McAninch, E. A., Moeller, L. C., Nygaard, B., Sawka, A. M., Watt, T., Dayan, C. M.
2021; 10 (1): 10-38
- **Accelerating functional gene discovery in osteoarthritis.** *Nature communications*
Butterfield, N. C., Curry, K. F., Steinberg, J., Dewhurst, H., Komla-Ebri, D., Mannan, N. S., Adoum, A. T., Leitch, V. D., Logan, J. G., Waung, J. A., Ghirardello, E., Southam, L., Youlten, et al
2021; 12 (1): 467
- **Population estimate of people with clinical Alzheimer's disease and mild cognitive impairment in the United States (2020-2060).** *Alzheimer's & dementia : the journal of the Alzheimer's Association*
Rajan, K. B., Weuve, J., Barnes, L. L., McAninch, E. A., Wilson, R. S., Evans, D. A.
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- **Publisher Correction: Accelerating functional gene discovery in osteoarthritis.** *Nature communications*
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- **Temporal Pole Responds to Subtle Changes in Local Thyroid Hormone Signaling.** *Journal of the Endocrine Society*
Marcelino, C. P., McAninch, E. A., Fernandes, G. W., Bocco, B. M., Ribeiro, M. O., Bianco, A. C.
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- **Temporal changes in the likelihood of dementia and MCI over 18 years in a population sample.** *Neurology*
Rajan, K. B., Weuve, J., Wilson, R. S., Barnes, L. L., McAninch, E. A., Evans, D. A.
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- **Remote Blood Biomarkers of Longitudinal Cognitive Outcomes in a Population Study.** *Annals of neurology*
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- **Race, APOE#4, and Long-Term Cognitive Trajectories in a Biracial Population Sample.** *Journal of Alzheimer's disease : JAD*
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- **Amiodarone and thyroid physiology, pathophysiology, diagnosis and management.** *Trends in cardiovascular medicine*
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- **Type 2 deiodinase polymorphism causes ER stress and hypothyroidism in the brain.** *The Journal of clinical investigation*
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- **Apolipoprotein E Genotypes, Age, Race, and Cognitive Decline in a Population Sample.** *Journal of the American Geriatrics Society*
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- **Disagreement Between Hospital Rating Systems: Measuring the Correlation of Multiple Benchmarks and Developing a Quality Composite Rank.** *American journal of medical quality : the official journal of the American College of Medical Quality*
Hota, B., Webb, T., Chatrathi, A., McAninch, E., Lateef, O.
2019; 35 (3): 222-230
- **The Swinging Pendulum in Treatment for Hypothyroidism: From (and Toward?) Combination Therapy.** *Frontiers in endocrinology*
McAninch, E. A., Bianco, A. C.
2019; 10: 446
- **A Common DIO2 Polymorphism and Alzheimer Disease Dementia in African and European Americans** *JOURNAL OF CLINICAL ENDOCRINOLOGY & METABOLISM*
McAninch, E. A., Rajan, K. B., Evans, D. A., Jo, S., Chaker, L., Peeters, R. P., Bennett, D. A., Mash, D. C., Bianco, A. C.
2018; 103 (5): 1818-1826
- **Systemic Thyroid Hormone Status During Levothyroxine Therapy In Hypothyroidism: A Systematic Review and Meta-Analysis.** *The Journal of clinical endocrinology and metabolism*
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- **The Foxo1-Inducible Transcriptional Repressor Zfp125 Causes Hepatic Steatosis and Hypercholesterolemia.** *Cell reports*
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- **Less is More: Comparing the 2015 and 2009 American Thyroid Association Guidelines for Thyroid Nodules and Cancer.** *Thyroid : official journal of the American Thyroid Association*
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2016; 26 (6): 759-64
- **Type 2 Deiodinase Disruption in Astrocytes Results in Anxiety-Depressive-Like Behavior in Male Mice.** *Endocrinology*
Bocco, B. M., Werneck-de-Castro, J. P., Oliveira, K. C., Fernandes, G. W., Fonseca, T. L., Nascimento, B. P., McAninch, E. A., Ricci, E., Kvrta-Papp, Z., Fekete, C., Bernardi, M. M., Gereben, B., Bianco, et al
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- **Is a Normal TSH Synonymous With "Euthyroidism" in Levothyroxine Monotherapy?** *The Journal of clinical endocrinology and metabolism*
Peterson, S. J., McAninch, E. A., Bianco, A. C.
2016; 101 (12): 4964-4973
- **Perinatal deiodinase 2 expression in hepatocytes defines epigenetic susceptibility to liver steatosis and obesity** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
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2015; 112 (45): 14018-14023
- **Epicardial adipose tissue has a unique transcriptome modified in severe coronary artery disease** *OBESITY*
McAninch, E. A., Fonseca, T. L., Poggioli, R., Panos, A. L., Salerno, T. A., Deng, Y., Li, Y., Bianco, A. C., Iacobellis, G.
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- **Prevalent Polymorphism in Thyroid Hormone-Activating Enzyme Leaves a Genetic Fingerprint That Underlies Associated Clinical Syndromes** *JOURNAL OF CLINICAL ENDOCRINOLOGY & METABOLISM*
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- **Acute-on-Chronic Kidney Injury in Thyroid Hormone Withdrawal: A Case with Possible Implications for Radioactive Iodine Planning** *CASE REPORTS IN ENDOCRINOLOGY*
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- **Considerations regarding adherence of anti-osteoporosis therapy** *POSTGRADUATE MEDICINE*
Lagari, V. S., McAninch, E., Baim, S.

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- **Tissue-Specific Inactivation of Type 2 Deiodinase Reveals Multilevel Control of Fatty Acid Oxidation by Thyroid Hormone in the Mouse (vol 63, pg 1594, 2014) *DIABETES***
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2014; 63 (8): 2895
- **Heterozygosis for Inactive Type-3 Deiodinase Gene in Mice Results in Delayed Puberty in Males and Precocious Puberty with Low Fertility in Females**
Bianco, S., Martinez, D., Soares, R., Garzon, E., Lartey, L. J., Fonseca, T. L., Camargos, L. M., McAninch, E. A., Bianco, A. C.
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- **Coccidiomycosis Thyroiditis in an Immunocompromised Host Post-Transplant: Case Report and Literature Review *JOURNAL OF CLINICAL ENDOCRINOLOGY & METABOLISM***
McAninch, E. A., Xu, C., Lagari, V. S., Kim, B. W.
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- **Tissue-Specific Inactivation of Type 2 Deiodinase Reveals Multilevel Control of Fatty Acid Oxidation by Thyroid Hormone in the Mouse *DIABETES***
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McAninch, E. A., Bianco, A. C., NYAS
2014; 1311: 77-87
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Bianco, A. C., McAninch, E. A.
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McAninch, E., Lagari, V., Baim, S.
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