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Associate Professor of Endocrinology  
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**Date of Birth**

**Place of Birth**

**Citizenship**

Italian

**Education and Training**

M.D., Summa Cum Laude, Medical School of Cagliari, Italy	11/1986-12/1993
Specialty Degree in Endocrinology, Diabetes and Metabolic Disease, Summa Cum Laude, Medical School of Cagliari, University of Cagliari and University Hospital of Cagliari, Cagliari, Italy	11/1994 -11/1999
Traineeship in Endocrinology and Thyroid Research, University of Pisa and University Hospital of Pisa, Pisa, Italy	12/1999-08/2000
Research fellow, Dept. of Medical Sciences and Endocrinology, University of Cagliari, Cagliari, Italy	09/2000-12/2004
Assistant Professor, Dept. of Medical Sciences and Endocrinology, University of Cagliari, Cagliari, Italy.	01/2005-12/2019

## Current Position

Associate Professor of Endocrinology, University of Cagliari.	01/2020-present
Coordinator, Posgraduate School of Endocrinology, University of Cagliari, Cagliari, Italy.	10/2022-present
Director of Endocrinology Unit, University Hospital of Cagliari, Cagliari, Italy.	10/2022-present

## Editorial Positions, and Peer-Review Services

Guest Editor in "Cancers"

Ad-hoc manuscript reviewer:  
Endocrine Research

Cancers  
Journal of Endocrinological investigation

2020-2024

## Professional Memberships and Activities

*Member of the Società Italiana di Endocrinologia (SIE)*  
*Member of the Associazione Italiana della Tiroide (AIT)*  
*Member of the European Society of Endocrinology (ESE)*

*2010-Present*  
*2010-Present*  
*2018-Present*

## Educational Activities

Supervision of graduate students, Department of Medical Sciences and Endocrinology, University Hospital of Cagliari, Cagliari, Italy	01/2005-Present
Graduate student teaching, Department of Medical Sciences, Endocrinology and Metabolism, University of Cagliari, Cagliari, Italy"	01/2005-Present
Supervision in research setting, Posgraduate School of Endocrinology, University of Cagliari, Cagliari, Italy.	12/2019-Present

**Publication of original articles (peer reviewed international journals):**

1: Canu GL, Medas F, Cappellacci F, Lanzolla G, Rossi L, Pennestri F, Di Filippo G, Chorti A, Gallucci P, De Palma A, Ambrosini CE, Pliakos I, Moysidis M, Luzuy-Guarnero V, Bédât B, Salvi G, Tempera SE, Carnassale G, Mattia A, Lazzari G, Guagni T, Izzo M, **Boi F**, Morelli E, Feroci F, Traini E, Princi P, Demarchi MS, Papavramidis T, Raffaelli M, Materazzi G, De Crea C, Calò PG, Ragno Study Collaborative Group. Risk of Neck Hematoma Following Thyroidectomy in Patients Taking Direct Oral Anticoagulants: A Propensity Score Matching Analysis from Nine High-Volume European Centers (RAGNO Study). *J Clin Med*. 2025 May 14;14(10):3435. doi: 10.3390/jcm14103435. PMID: 40429429.

2: Viola N, Colleo A, Casula M, Mura C, **Boi F**, Lanzolla G. Graves' Disease: Is It Time for Targeted Therapy? A Narrative Review. *Medicina (Kaunas)*. 2025 Mar 13;61(3):500. doi: 10.3390/medicina61030500. PMID: 40142311; PMCID: PMC11943693.

3: Mura C, Canu GL, Lanzolla G, Cappellacci F, Medas F, Mariotti S, Calò PG, **Boi F**. Detection of Central Compartment Lymph Node Metastasis of Thyroid Cancer: Usefulness of Intraoperative Thyroglobulin Measurement in Fine Needle Aspiration Washout with and Without Blue Dye Injection. *Cancers (Basel)*. 2025 Jan 27;17(3):422. doi: 10.3390/cancers17030422. PMID: 39941792; PMCID: PMC11815924.

4: Corrias S, Foschi M, Galletta M, **Boi F**, Baghino G, Oppo A, Pigliaru F, Melis M, Rodia R, Pani A, Piras C, Deledda A, Puglia L, Loviselli A, Velluzzi F. Mediterranean Diet adherence, physical activity level, and quality of life in patients affected by thyroid diseases: Comparison between pre- and post-lockdown assessment. *J Public Health Res*. 2024 Oct 24;13(4):22799036241291270. doi: 10.1177/22799036241291270. PMID: 39493705; PMCID: PMC11528575.

5: Lixi F, Cuccu A, Giannaccare G, Onnis M, Timofte Zorila MM, Mariotti S, Vacca R, Meloni PE, Pisu M, Mura C, **Boi F**. Subclinical Ocular Motility Dysfunction and Extraocular Muscle Changes in Inactive Graves' Orbitopathy. *J Pers Med*. 2024 Aug 10;14(8):848. doi: 10.3390/jpm14080848. PMID: 39202039; PMCID: PMC11355160.

6: Mura C, Rodia R, Corrias S, Cappai A, Lai ML, Canu GL, Medas F, Calò PG, Mariotti S, **Boi F**. Diffuse C-Cells Hyperplasia Is the Source of False Positive Calcitonin Measurement in FNA Washout Fluids of Thyroid Nodules: A Rational Clinical Approach to Avoiding Unnecessary Surgery. *Cancers (Basel)*. 2024 Jan 2;16(1):210. doi: 10.3390/cancers16010210. PMID: 38201637; PMCID: PMC10777925.

7: Canu GL, Medas F, Cappellacci F, Rossi L, Gjeloshi B, Sessa L, Pennestri F, Djafarriar R, Mavromati M, Kotsovolis G, Pliakos I, Di Filippo G, Lazzari G, Vaccaro C, Izzo M, **Boi F**, Brazzarola P, Feroci F, Demarchi MS, Papavramidis T, Materazzi G, Raffaelli M, Calò PG; REDHOT Study Collaborative Group. Risk factors for postoperative cervical haematoma in patients undergoing thyroidectomy: a retrospective, multicenter, international analysis (REDHOT study). *Front Surg*. 2023 Oct 2;10:1278696. doi: 10.3389/fsurg.2023.1278696. PMID: 37850042; PMCID: PMC10577166.

8: Rodia R, Meloni PE, Mascia C, Balestrieri C, Ruggiero V, Serra G, Conti M, Loi M, Pes F, Onali S, Perra A, Littera R, Velluzzi F, Mariotti S, Chessa L, **Boi F**. Direct-acting antivirals used in HCV-related liver disease do not affect thyroid function and autoimmunity. *J Endocrinol Invest*. 2023 Feb;46(2):359-366. doi: 10.1007/s40618-022-01909-0. Epub 2022 Sep 1. PMID: 36048357; PMCID: PMC9859881.

9: Velluzzi F, Pisanu S, Galletta M, Fosci M, Secci G, Deledda A, **Boi F**, Rodia R, Fanciulli G, Delitala AP, Sainas G, Loviselli A. Association between High Normal TSH Levels and Obesity in Women with Anti-Thyroid Autoantibodies (ATAs). *J Clin Med*. 2022 Aug 31;11(17):5125. doi: 10.3390/jcm11175125. PMID: 36079055; PMCID: PMC9457091.

10: Cappellacci F, Canu GL, Lai ML, Lori E, Biancu M, **Boi F**, Medas F. Association between hashimoto thyroiditis and differentiated thyroid cancer: A single-center experience. *Front Oncol*. 2022 Jul 28;12:959595. doi: 10.3389/fonc.2022.959595. PMID: 35965566; PMCID: PMC9366466.

11: Rodia R, Pani F, Caocci G, La Nasa G, Simula MP, Mulas O, Velluzzi F, Loviselli A, Mariotti S, **Boi F**. Thyroid autoimmunity and hypothyroidism are associated with deep molecular response in patients with chronic myeloid leukemia on tyrosine kinase inhibitors. *J Endocrinol Invest*. 2022 Feb;45(2):291-300. doi: 10.1007/s40618-021-01613-5. Epub 2021 Jul 20. PMID: 34283388; PMCID: PMC8783879.

12: Condello V, Cetani F, Denaro M, Torregrossa L, Pardi E, Piaggi P, Borsari S, Poma AM, Muscarella LA, Graziano P, Chiofalo MG, Repaci A, Tallini G, **Boi F**, Materazzi G, Basolo F, Marcocci C. Gene expression profile in metastatic and non-metastatic parathyroid carcinoma. *Endocr Relat Cancer*. 2021 Feb;28(2):111-134. doi: 10.1530/ERC-20-0450. PMID: 33290252.

13: Pisanu S, Palmas V, Madau V, Casula E, Deledda A, Cusano R, Uva P, Vascellari S, **Boi F**, Loviselli A, Manzin A, Velluzzi F. Impact of a Moderately Hypocaloric Mediterranean Diet on the Gut Microbiota Composition of Italian Obese Patients. *Nutrients*. 2020 Sep 4;12(9):2707. doi: 10.3390/nu12092707. PMID: 32899756; PMCID: PMC7551852.

14: Medas F, Canu GL, Cappellacci F, **Boi F**, Lai ML, Erdas E, Calò PG. Predictive Factors of Lymph Node Metastasis in Patients With Papillary Microcarcinoma of the Thyroid: Retrospective Analysis on 293 Cases. *Front Endocrinol (Lausanne)*. 2020 Aug 25;11:551. doi: 10.3389/fendo.2020.00551. PMID: 32982963; PMCID: PMC7477034.

15: Premoli P, Tanda ML, Piantanida E, Veronesi G, Gallo D, Masiello E, Rosetti S, Cusini C, **Boi F**, Bulla J, Rodia R, Mariotti S, Capelli V, Rotondi M, Magri F, Chiovato L, Rocchi R, Campopiano MC, Elisei R, Vitti P, Barbato F, Pilli T, Castagna MG, Pacini F, Bartalena L. Features and outcome of differentiated thyroid carcinoma associated with Graves' disease: results of a large, retrospective, multicenter study. *J Endocrinol Invest*. 2020 Jan;43(1):109-116. doi: 10.1007/s40618-019-01088-5. Epub 2019 Jul 20. PMID: 31327128.

16: Galletta M, Cherchi M, Cocco A, Lai G, Manca V, Pau M, Tatti F, Zambon G, Deidda S, Origa P, Massa E, Cossu E, **Boi F**, Contu P. Sense of coherence and physical health-related quality of life in Italian chronic patients: the mediating role of the mental component. *BMJ Open*. 2019 Sep 17;9(9):e030001. doi: 10.1136/bmjopen-2019-030001. PMID: 31530606; PMCID: PMC6756344.

17: Medas F, Canu GL, **Boi F**, Lai ML, Erdas E, Calò PG. Predictive Factors of Recurrence in Patients with Differentiated Thyroid Carcinoma: A Retrospective Analysis on 579 Patients. *Cancers (Basel)*. 2019 Aug 22;11(9):1230. doi: 10.3390/cancers11091230. PMID: 31443531; PMCID: PMC6770388.

18: Rodia R, Marini S, Pani F, **Boi F**, Mariotti S. Embolization of iliac metastasis during lenvatinib treatment in patient with advanced Hürthle cell

thyroid carcinoma. *Future Oncol.* 2019 Aug;15(24s):35-40. doi: 10.2217/fo-2019-0184. Epub 2019 Aug 6. PMID: 31385535.

19: Canu GL, Medas F, Longheu A, **Boi F**, Docimo G, Erdas E, Calò PG. Correlation between iPTH Levels on the First Postoperative Day After Total Thyroidectomy and Permanent Hypoparathyroidism: Our Experience. *Open Med (Wars).* 2019 Jun 7;14:437-442. doi: 10.1515/med-2019-0047. PMID: 31231683; PMCID: PMC6572408.

20: **Boi F**, Pani F, Calò PG, Lai ML, Mariotti S. High prevalence of papillary thyroid carcinoma in nodular Hashimoto's thyroiditis at the first diagnosis and during the follow-up. *J Endocrinol Invest.* 2018 Apr;41(4):395-402. doi: 10.1007/s40618-017-0757-0. Epub 2017 Sep 5. PMID: 28875268.

21: Pani F, Macerola E, Basolo F, **Boi F**, Scartozzi M, Mariotti S. Aggressive differentiated thyroid cancer with multiple metastases and NRAS and TERT promoter mutations: A case report. *Oncol Lett.* 2017 Aug;14(2):2186-2190. doi: 10.3892/ol.2017.6395. Epub 2017 Jun 16. PMID: 28781658; PMCID: PMC5530175.

22: **Boi F**, Pani F, Mariotti S. Thyroid Autoimmunity and Thyroid Cancer: Review Focused on Cytological Studies. *Eur Thyroid J.* 2017 Jul;6(4):178-186. doi: 10.1159/000468928. Epub 2017 Apr 24. PMID: 28868258; PMCID: PMC5567004.

23: Pani F, Atzori F, Baghino G, **Boi F**, Ionta MT, Tanca L, Scartozzi M, Mariotti S. Hypothyroidism and Thyroid Autoimmunity as a Prognostic Biomarker of Better Response in Metastatic Cancer Long-Term Survivors Treated with Sunitinib. *Thyroid.* 2016 Sep;26(9):1336-7. doi: 10.1089/thy.2016.0159. Epub 2016 Jul 11. PMID: 27267354.

24: Pani F, Atzori F, Baghino G, **Boi F**, Tanca L, Ionta MT, Mariotti S. Thyroid Dysfunction in Patients with Metastatic Carcinoma Treated with Sunitinib: Is Thyroid Autoimmunity Involved? *Thyroid.* 2015 Nov;25(11):1255-61. doi: 10.1089/thy.2015.0170. Epub 2015 Oct 14. PMID: 26414109.

25: Caria P, Frau DV, Dettori T, **Boi F**, Lai ML, Mariotti S, Vanni R. Optimizing detection of RET and PPARγ rearrangements in thyroid neoplastic cells using a home-brew tetracolor probe. *Cancer Cytopathol.* 2014 May;122(5):377-85. doi: 10.1002/cncy.21397. Epub 2014 Feb 7. PMID: 24510380; PMCID: PMC4231233.

26: Caria P, Dettori T, Frau DV, Borghero A, Cappai A, Riola A, Lai ML, **Boi F**, Calò P, Nicolosi A, Mariotti S, Vanni R. Assessing RET/PTC in thyroid nodule fine-needle aspirates: the FISH point of view. *Endocr Relat Cancer.* 2013 Jun 27;20(4):527-36. doi: 10.1530/ERC-13-0157. PMID: 23722226.

27: **Boi F**, Minerba L, Lai ML, Marziani B, Figus B, Spanu F, Borghero A, Mariotti S. Both thyroid autoimmunity and increased serum TSH are independent risk factors for malignancy in patients with thyroid nodules. *J Endocrinol Invest.* 2013 May;36(5):313-20. doi: 10.3275/8579. Epub 2012 Aug 29. PMID: 22931861.

28: Calò PG, Medas F, Pisano G, **Boi F**, Baghino G, Mariotti S, Nicolosi A. Differentiated thyroid cancer: indications and extent of central neck dissection --our experience. *Int J Surg Oncol.* 2013;2013:625193. doi: 10.1155/2013/625193. Epub 2013 Sep 26. PMID: 24282633; PMCID: PMC3804149.

29: **Boi F**, Lombardo C, Cocco MC, Piga M, Serra A, Lai ML, Calò PG, Nicolosi A, Mariotti S. Thyroid diseases cause mismatch between MIBI scan and neck ultrasound in the diagnosis of hyperfunctioning parathyroids: usefulness of FNA-PTH assay. *Eur J Endocrinol.* 2012 Dec 10;168(1):49-58. doi: 10.1530/EJE-12-0742. PMID: 23093696.

- 30: Calò PG, Pisano G, Tatti A, Medas F, **Boi F**, Mariotti S, Nicolosi A. Intraoperative parathyroid hormone assay during focused parathyroidectomy for primary hyperparathyroidism: is it really mandatory? *Minerva Chir.* 2012 Aug;67(4):337-42. PMID: 23022758.
- 31: Piga M, Cocco MC, Serra A, **Boi F**, Loy M, Mariotti S. The usefulness of 99mTc-sestaMIBI thyroid scan in the differential diagnosis and management of amiodarone-induced thyrotoxicosis. *Eur J Endocrinol.* 2008 Oct;159(4):423-9. doi: 10.1530/EJE-08-0348. Epub 2008 Jul 4. PMID: 18603573.
- 32: Piga M, Serra A, **Boi F**, Tanda ML, Martino E, Mariotti S. Amiodarone-induced thyrotoxicosis. A review. *Minerva Endocrinol.* 2008 Sep;33(3):213-28. PMID: 18846027.
- 33: **Boi F**, Maurelli I, Pinna G, Atzeni F, Piga M, Lai ML, Mariotti S. Calcitonin measurement in wash-out fluid from fine needle aspiration of neck masses in patients with primary and metastatic medullary thyroid carcinoma. *J Clin Endocrinol Metab.* 2007 Jun;92(6):2115-8. doi: 10.1210/jc.2007-0326. Epub 2007 Apr 3. PMID: 17405835.
- 34: **Boi F**, Baghino G, Atzeni F, Lai ML, Faa G, Mariotti S. The diagnostic value for differentiated thyroid carcinoma metastases of thyroglobulin (Tg) measurement in washout fluid from fine-needle aspiration biopsy of neck lymph nodes is maintained in the presence of circulating anti-Tg antibodies. *J Clin Endocrinol Metab.* 2006 Apr;91(4):1364-9. doi: 10.1210/jc.2005-1705. Epub 2006 Jan 24. PMID: 16434461.
- 35: **Boi F**, Lai ML, Marziani B, Minerba L, Faa G, Mariotti S. High prevalence of suspicious cytology in thyroid nodules associated with positive thyroid autoantibodies. *Eur J Endocrinol.* 2005 Nov;153(5):637-42. doi: 10.1530/eje.1.02020. PMID: 16260421.
- 36: Cocco C, Meloni A, **Boi F**, Pinna G, Possenti R, Mariotti S, Ferri GL. Median eminence dopaminergic nerve terminals: a novel target in autoimmune polyendocrine syndrome? *J Clin Endocrinol Metab.* 2005 Jul;90(7):4108-11. doi: 10.1210/jc.2004-2184. Epub 2005 Apr 26. PMID: 15855266.
- 37: Lai ML, Faa G, Serra S, Senes G, Daniele GM, **Boi F**, Mariotti S, Beauchemin M, Asa SL. Rhabdoid tumor of the thyroid gland: a variant of anaplastic carcinoma. *Arch Pathol Lab Med.* 2005 Mar;129(3):e55-7. doi: 10.5858/2005-129-e55-RTOTTG. PMID: 15737050.
- 38: Loy M, Cianchetti ME, Cardia F, Melis A, **Boi F**, Mariotti S. Correlation of computerized gray-scale sonographic findings with thyroid function and thyroid autoimmune activity in patients with Hashimoto's thyroiditis. *J Clin Ultrasound.* 2004 Mar-Apr;32(3):136-40. doi: 10.1002/jcu.20008. PMID: 14994254.
- 39: **Boi F**, Lai ML, Deias C, Piga M, Serra A, Uccheddu A, Faa G, Mariotti S. The usefulness of 99mTc-SestaMIBI scan in the diagnostic evaluation of thyroid nodules with oncocyctic cytology. *Eur J Endocrinol.* 2003 Dec;149(6):493-8. doi: 10.1530/eje.0.1490493. PMID: 14640989.
- 40: **Boi F**, Piga M, Loy M, Mariotti S. Hypothyroid Hashimoto's thyroiditis with scintigraphic and echo-color Doppler features mimicking autonomous adenoma. *J Endocrinol Invest.* 2002 May;25(5):469-72. doi: 10.1007/BF03344040. PMID: 12035946.

41: **Boi F**, Loy M, Piga M, Serra A, Atzeni F, Mariotti S. The usefulness of conventional and echo colour Doppler sonography in the differential diagnosis of toxic multinodular goitres. Eur J Endocrinol. 2000 Sep;143(3):339-46. doi: 10.1530/eje.0.1430339. PMID: 11022175.

### **Other Publications:**

Other articles: 11  
International and National proceedings: 62  
Book chapters: 4  
Abstracts: 92

### **Prizes:**

Prizes "Associazione Italiana della Tiroide" in 2005, 2010, 2011 and 2012.

### **Main fields of interest:**

Thyroid diseases with special regard to thyroid autoimmunity and thyroid cancer, thyroid physiopathology; autoimmune endocrinopathies.

### **Personal skills and competences**

Mother tongue: Italian

Other languages:

- English: C1
- French: A1

### **Computer proficiency skills:**

- MS Office (advanced level)
- Presentation Software (advanced level)
- Graphic Design (advanced level)
- Database management (advanced level)
- Writing skills (advanced level)
- Statistical analysis (advanced level)

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Cagliari, 05-14-2025

*Francesco Boi*