

CURRICULUM VITAE

- Sofia Carrilho Vaz -

1- Identification

- Name: Sofia Isabel Carrilho Baltazar Vaz
- Portuguese medical license n^o 51853
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2- Present appointment

Nuclear Medicine Specialist, Champalimaud Centre for the Unknown, *Since Oct 2016*
Champalimaud Foundation. Director: Prof. Durval C. Costa.

3- Academic and clinical training

- Member of the Fellowship of the European Board of Nuclear Medicine (FEBNM) examination committee; *Since Nov 2018*
- Fellowship of the European Board of Nuclear Medicine (FEBNM); *Oct 2018*
- Nuclear Medicine Specialist, Portuguese Institute of Oncology (Lisbon Center); *Apr-Sep 2016*
- Residency of Nuclear Medicine, Portuguese Institute of Oncology (Lisbon Center). Supervisor: Dr^a Teresa C. Ferreira; Director: Dr^a Lucília Salgado; *Jan 2012-Dec 2016*
- Internship at the Nuclear Medicine Department, *Hôpital Lariboisière and Hôpital Saint-Louis*, Paris. Supervisor: Dr. Frédéric Paycha; Director: Prof. Laure Sarda / Prof. Ilana Peretti; *Aug-Nov 2015*
- General medical residency, *Hospital de Santa Maria*, Lisbon, Portugal; *Jan-Dec 2011*
- Master's degree in Medicine (Bologna Process), Faculty of Medicine, University of Lisbon, Lisbon; *2004-2010*
- Secondary education, São Lourenço Secondary School, Portalegre, Portugal. *2001-2003*

Clinical internships: during the Residency of Nuclear Medicine - internships of endocrine oncology, cardiology and radiology. During Medical School - internships of internal medicine, cardiology and an european internship organized by the International Federation of Medical Students'Associations (IFMSA) in Rhaunen (Germany).

Laboratory internships: internship about new PET radiopharmaceuticals (synthesis and biodistribution in rats), *Hôpital Saint-Louis* and *Institut National de la Santé et de la Recherche Médicale (INSERM)*, Paris, Aug-Oct 2015. Internship for studying the Central Nervous System in rats, Institute of Physiology, Faculty of Medicine of the University of Lisbon, 2007- 2010.

4- Experience in Nuclear Medicine

- **6.800 gamma-camera examinations.** The most common were: bone scan; lymphoscintigraphy for sentinel lymph node identification in breast cancer; MUGA; myocardial perfusion scintigraphy; renal scintigraphy with ^{99m}Tc-DTPA, MAG3 and DMSA; thyroid and parathyroid scintigraphy; ¹²³I-MIBG and ^{99m}Tc-octreotide scintigraphy; V/Q lung scintigraphy; ¹²³I-DatScan and ^{99m}Tc-HMPAO;
- **4.000 PET-CT:** mainly ¹⁸F-FDG in the oncological context, but also ⁶⁸Ga-PSMA, ⁶⁸Ga-DOTANOC, ¹⁸F-Choline and ¹⁸F-Florbetaben;
- **660 radiometabolic therapies:** The most common was Iodine-131 (mainly because of differentiated thyroid carcinoma and hyperthyroidism), followed by ¹³¹I-MIBG, Radium-223, ¹⁷⁷Lu-DOTATATE, ⁹⁰Y and Samarium-153.

Participation in weekly **multidisciplinary meetings, journal clubs** and **clinical sessions.**

5- Scientific work

5.1) Full papers - 7 publications (5 as first author and 2 as co-author)

- “Radiopharmacology and molecular imaging of PD-L1 expression in cancer”. Clinical and Translational Imaging (2018). doi.org/10.1007/s40336-018-0303-x;
- “Phase II Prospective Trial to Assess the Feasibility and Efficacy of Dynamic 24Gy Single Dose Ablative Stereotactic Radiation Therapy in Oligometastatic Human Cancer”. International Journal of Radiation Oncology (2018) doi.org/10.1016/j.ijrobp.2018.07.764;
- “Second Primary Cancer in patients with Differentiated Thyroid Cancer: Does Radioiodine play a role?”. Thyroid (2017). doi:10.1089/thy.2016.0655;
- “Bone scan usefulness in patients with painful hip or knee prosthesis: 10 situations that can cause pain, other than loosening and infection”. Eur J Orthop Surg Traumatol (2016) doi:10.1007/s00590-016-1884-6;
- “[18F]MEL050 as a melanin-targeted PET tracer: fully automated radiosynthesis and comparison to 18F-FDG for the detection of pigmented melanoma in mice primary subcutaneous tumors and pulmonary metastases”. Nuclear Medicine and Biology (2016) doi.org/10.1016/j.nucmedbio.2016.08.010;
- “Breast cancer lymphoscintigraphy: factors associated with sentinel lymph node non visualization”. Rev Esp Med Nucl Imagen Mol (2015) doi: 10.1016/j.remn.2015.03.010;
- “Adult Neuroblastoma: Nuclear Medicine diagnostic and therapeutic usefulness because of a clinical case”, *Acta Radiológica Portuguesa*, Maio-Agosto 2015, nº105, Volume XXVII, 63-68.

5.2) Interesting Image - 2 publications as first author

- “Gastric GIST Incidentally Detected on 68Ga-PSMA-PET/CT: Correlation Between Functional Imaging and Histology”, Clin Nuc Med (2018) doi: 10.1097/RLU.0000000000002347;
- “18F-FDG uptake in ischaemic colitis during follow-up of a patient with lung cancer”, Clin Nuc Med (2017). doi:10.1097/RLU.0000000000001723.

5.3) Oral communications - 27 oral communications (1st author in 4 communications presented at international scientific meetings and 9 presented at national meetings. Co-author of the remaining).

Best Oral Communication Award for the presentation “Risk of disease recurrence in patients with differentiated thyroid carcinoma and postoperative thyroglobulin<1ng/ml”, presented at the 10th International Conference on Radiopharmaceutical Therapy (ICRT), organized by the World Association of Radiopharmaceutical and Molecular Therapy (WARMTH), published in the World Journal of Nuclear Medicine, Vol 14, Supplement 1:S22, April 2015.

5.4) Posters - 27 posters (1st author in 6 posters presented at international scientific meetings and 2 presented at national meetings. Co-author of the remaining). **Best Poster Award** for the theme “Prostate cancer metastases above the diaphragm detected on ⁶⁸Ga-PSMA PET/CT” in the XVI Portuguese Nuclear Medicine Congress, published in “*Livro de resumos do XVI Congresso Nacional de Medicina Nuclear 2017: 18*”.

5.5) Research / Grant

- Research project about labelling anti-PD-L1-mAb with radionuclide for imaging PD-L1 expression in cancer;
- Material Transfer Agreement from Genentech-Roche (ID # OR-216490) in September 2017;
- Course on Laboratory Animal Sciences designed according to the FELASA recommendations for Category B in March 2018.

5.6) Clinical trials

- Good Clinical Practice (GCP) Training – Certificate awarded in 2018;
- Participation in 10 Clinical Trials (Kamilla, Monaleesa 7, CompLEEment 1, MK-3475-522/KEYNOTE-522, BERENICE, MK-3475-042/KEYNOTE-042, Aramis, Tourmaline, CanStem 111P and Atlantis), mainly reporting ^{18}F -FDG PET/CT, bone scan and MUGA examinations.

5.7) Others

- **Procedure** of lymphoscintigraphy for sentinel lymph node detection in cervical cancer; ^{68}Ga -DOTANOC and ^{18}F -DOPA PET-CT, Portuguese Institute of Oncology, Jun-Jul 2016;
- Revision of the **National Consensus of Gynecologic Cancer**, May 2016;
- **EANM YIM 2014** (European Association of Nuclear Medicine Young Investigators Meeting) with the theme “Do patients with differentiated thyroid carcinoma with postoperative thyroglobulin <1ng/mL benefit from Iodine-131 therapy?”, July 2014;
- Member of a **scientific committee**, May 2014;
- Moderation of **round tables** and a poster session;
- **Master’s thesis** on “Cardiovascular, Ocular and Autonomic Characterization of the Water Drinking Test in the Anesthetized Rat”, supervised by Carlos Marques Neves (ophthalmologist MD, PhD), July 2010.

6- Training of health professionals

- 2 hours teaching in a PET course for Nuclear Medicine technicians, Lisbon School of Health Technology (ESTeSL), October 2018;
- Collaboration in “The Advanced Radiotherapy Techniques Clinical School” (Varian School) at the Champalimaud Centre, since Oct 2016;
- Collaboration in training medical students, resident doctors (Nuclear Medicine, Endocrinology, Radio-oncology and Radiology), nuclear medicine technicians and nurses, at the Portuguese Institute of Oncology, 2012-2016.

7- Additional training

6.1) **Courses** – 10 courses about medicine, imaging and radioprotection. Two courses about statistical analysis using SPSS and Excel.

6.2) **Scientific meetings** – 10 meetings after the residency of Nuclear Medicine; 23 meetings during the residency of Nuclear Medicine and 10 meetings during Medical school.

6.3) **On-line Continuing Medical Education** “eScan Academy” (29 CME credits).