A Revista Científica da Ordem dos Médicos

Director: President of the Portuguese Medical Association, Carlos Cortes

**Deputy Director and Editor: Tiago Villanueva** 

### **Editorial Staff**

Editor-in-Chief: Tiago Villanueva, Acta Médica Portuguesa, Lisbon, Portugal,

Deputy Editors-in-Chief: Helena Donato, Centro Hospitalar e Universitário de Coimbra. Coimbra. Portugal.; Pedro Escada, Department of Otorhinolaryngology, Centro Hospitalar de Lisboa Ocidental Lishon Portugal

Associated Editors: Bernardo Gomes, Unidade de Saúde Pública Entre Douro e Vouga I. Santa Maria da Feira. Portugal.; Edgar Mesquita, Instituto de Saúde Pública da Universidade do Porto, Porto, Portugal.; Filipe Martinho, Hospital Prof. Doutor Fernando Fonseca, Amadora, Portugal.; Helena Gouveia, Fundação Champalimaud, Lisbon, Portugal.; Henrique Alexandrino, Centro Hospitalar e Universitário de Coimbra, Coimbra, Portugal.; João Carlos Ribeiro. Centro Hospitalar e Universitário de Coimbra, Coimbra, Portugal.; Maria João Lobão, Hospital de Cascais Cascais. Portugal.; Marina Pinheiro, Unidade de Saúde Pública ACES Cávado III - Barcelos/Esposende. Braga. Portugal.; Tiago Torres, Centro Hospitalar Universitário do Porto. Porto. Porto. Portogal.

Editorial Coordination: Carla de Sousa Editorial Assistant: Bruna Duarte Image Editor: Rui Matos Open Journal System: José Carona Carvalho Webmaster: Cloudpro Lda. Translator: Miguel Fontes

Editors Emeriti: Alberto Galvão Teles (1978 - 1987), F. Veiga Fernandes (1987 - 1993), A. Sales Luís (1993 - 1996), Carlos Ribeiro (1996 - 1998), J. Germano Sousa (1999 - 2004), Pedro Nunes (2005 – 2010), Rui Tato Marinho (2011 – 2016), José Manuel Silva (2017).

Publisher's Office: Ordem dos Médicos (VAT nr 500 984 492)

Av. Almirante Gago Coutinho, 151. 1749-084 Lisboa, Portugal. Tel: +351 21 151 71 00 E-mail: secretariado@actamedicaportuguesa.com ISSN:0870-399X | e-ISSN: 1646-0758

Subscriptions: Portugal: €300.00; International: €350.00.

AMP38(4) - April 2025



Registration: At the Regulatory Comunication Authority (ERC), entry number 106 369 Editorial Statute: http://www.actamedicaportuguesa.com/eng/normas-de-publicacao

Open Access: Acta Médica Portuguesa is licensed under a Creative Commons Attribution Non-Commercial License (CC BY NC)

# **Scientific Advisory Board**

### Álvaro Cohen

Alvaro Conen
Representative of the Differentiated Obstetric Ultrasound Competen
National Board at Portuguese Medical Association. Lisbon. Portugal

# Ana Isabel Santos

Ana isaber Santos Representative of the Nuclear Medicine Specialty National Board at Portuguese Medical Association. Lisbon. Portugal.

Ana Rita Cravo
Representative of the Pharmaceutical Medicine Competence National
Part of Portuguese Medical Association, Lisbon, Portugal.

António Franklim Ramos Representative of the Health Services Management Competen National Board at Portuguese Medical Association. Lisbon. Portugal

António Jorge Silva Representative of the Medical Hydrology Competence National Board at Portuguese Medical Association. Lisbon. Portugal.

António Gandra d'Almeida Representative of the Military Medicin Competence National Board at Portuguese Medical Association. Lisbon. Portugal.

Armando Mansilha
Representative of the Angiology and Vascular Surgery Specialty National Board at Portuguese Medical Association. Lisbon. Portugal.

# António Marques da Silva Representative of the Anesthesiology Specialty National Board at Portuguese Medical Association. Lisbon. Portugal.

Carlos Sottomayor
President of the Oncology Specialty National Board at Portuguese Medical Association. Lisbon. Portugal.

Catarina Aguiar Branco

# Representative of the Physical Medicine and Rehabilitation Specialty National Board at Portuguese Medical Association. Lisbon. Portugal.

Daniel Beirão Daniel Belrao
Representative of the Medical Safety Expertise Competence Social National Board at Portuguese Medical Association, Lisbon, Portugal.

Duarte Nuno Vieira
Representative of the Personnel Harm Assessment Competent Competent Part and Part at Portuguese Medical Association. Lisbon. Portugal

Eduardo Netto
Representative of Radioncology Specialty National Board at Portugue
se Medical Association. Lisbon. Portugal.

Fernando Lopes
Representative of the Clinical Coding Competency National Board at Portuguese Medical Association. Lisbon. Portugal.

Representative of the Experimental Pathology Competency National Board at Portuguese Medical Association. Lisbon. Portugal.

Representative of the Intensive Medicine Specialty National Board at Portuguese Medical Association. Lisbon. Portugal.

Graça Mesquita
Representative of the Pain Medicine Competency National Board at
Portuguese Medical Association. Lisbon. Portugal.

Isabel Fragata
Representative of the Neuroradiology Specialty National Board at Portuguese Medical Association. Lisbon. Portugal.

Isabel Lima dos Santos Representative of the Medical Acupuncture Competency National Board at Portuguese Medical Association. Lisbon. Portugal.

# Joana Patrícia Tavares Ferreira

resentative of the Ophthalmology Specialty National Board at Porese Medical Association. Lisbon. Portugal.

João Mariano Pego Representative of the Clinical Pathology Specialty National Board at Portuguese Martical Association, Lisbon, Portugal.

João Vítor Pina Alves
Representative of the Dermatovenereology Specialty National Board at
Portuguese Medical Association. Lisbon. Portugal.

Representative of the Clinical Pharmacology Specialty National Board at Portuguese Medical Association. Lisbon: Portugal.

Representative of Conselho Nacional do Médico Interno at Portuguese Medical Association. Lisbon. Portugal.

José G. Merino Georgetown University Medical Center. Washington. United States of

## José Manuel Mira Mendes Furtado

Representative of the Gynecology and Obstetrics Specialty National Board at Portuguese Medical Association. Lisbon. Portugal.

José Miguens President of the Neurosurgery Specialty National Board at Portuguese Medical Association. Lisbon. Portugal.

JOSE NEVES
Representative of the Cardiothoracic Surgery Specialty National Board at Portuguese Medical Association. Lisbon. Portugal.

### José Pinho Marques

Jose Pinno marques
President of the Sports Medicine Specialty National Board at Portuguese Medical Association. Lisbon. Portugal.

Lia Sousa Fernandes
Representative of the Geriatrics Competency National Board at Portuguese Medical Association. Lisbon. Portugal.

Lino Gonçalves
Representative of the Sexology Competency National Board at Portuguese Medical Association. Lisbon. Portugal.

Representative of the Cardiology Specialty National Board at Portugue se Medical Association. Lisbon. Portugal.

Luciana Baère de Faria Ricca Goncalves

# Portuguese Medical Association. Lisbon. Portugal

Representative of the Public Health Specialty National Board at Portuguese Medical Association. Lisbon. Portugal.

Representative of the Gastroenterology Specialty National Board at Portuguese Medical Association. Lisboa. Portugal.

**Luís Monteiro**Representative of the Urology Specialty National Board at Portuguese Medical Association. Lisbon. Portugal.

### Manuel Carlos Loureiro de Lemos

Representative of the Endocrinology and Nutrition Specialty National Board at Portuguese Medical Association. Lisbon. Portugal.

# Manuela Silva

Manuela Silva Representative of the Psychiatry Specialty National Board at Portu-guese Medical Association. Lisbon. Portugal.

Maria José Costa Almeida
Representative of the Occupational Medicine Specialty National
Board at Portuguese Medical Association. Lisbon. Portugal.

Maria da Graça de Figueiredo Vilar Representative of the Clinical Addictology Competency National Board at Portuguese Medical Association. Lisbon. Portugal.

Marta Janeiro da Costa Dias Representative of the Pediatric Surgery Specialty National Board at Portuguese Medical Association. Lisbon. Portugal.

maturew Clarke
Institute of Cancer Research / University College London Hospitals.
London. United Kingdom.

Miguel Vilares
Representative of the Maxillofacial Specialty National Board at Portuguese Medical Association. Lisbon. Portugal.

# Nelson José de Sousa Pereira

Representative of the Medical Emergency Competency National Board at Portuguese Medical Association. Lisbon. Portugal.

Nuno Diogo Representative of the Orthopedics Specialty National Board at Portuguese Medical Association. Lisbon. Portugal.

# Nuno Maria Trigueiros da Silva Cunha

Representative of the Otorhinolaryngology Specialty National Board at Portuguese Medical Association. Lisbon. Portugal.

Paula Maria Broeiro Gonçalves Representative of the Specialty of General and Family Medicine National Board at Portuguese Medical Association. Lisbon. Portugal.

Paulo Santos Representative of the Specialty of Child and Adolescent Psychiatry National Board at Portuguese Medical Association. Lisbon. Portugal

Raquel Tavares
Representative of the Infectious Diseases Specialty National Board at Portuguese Medical Association. Lisbon. Portugal.

Representative of the Pathological Anatomy Specialty National Board at Portuguese Medical Association. Lisbon. Portugal. Rui Duarte Castro Moreira

Representative of the Stomatology Specialty National Board at Portuguese Medical Association. Lisbon. Portugal.

# Representative of the Aviation Medicine Competency National Board at Portuguese Medical Association. Lisbon. Portugal.

Representative of the Sleep Medicine Competency National Board at Portuguese Medical Association. Lisbon. Portugal.

Teresa Magalhães Medicine Faculty. Universidade do Porto. Porto. Portugal.









Specialty National Board at

