

**Publicações Científicas NOVA Medical School/
Scientific Output NOVA Medical School**

A classificação em áreas temáticas foi realizada de acordo com as categorias das revistas indexadas na Scopus ([SJR](#)).

The classification into subject areas was performed according to the categories of the journals indexed in Scopus ([SJR](#)).

Abril / April 2025

ANESTHESIOLOGY AND PAIN MEDICINE/ CRITICAL CARE AND INTENSIVE CARE MEDICINE/ MEDICINE (MISCELLANEOUS)

Lopes D, Bandoas JP, Chumbinho B, Santo CE, Sousa M, Ferreira B, Val-Flores L, Germano N, Pereira R, Cardoso FS, **Bento L, Póvoa P.** [Pancreatic Stone Protein in patients with liver failure: A prospective pilot cohort study](#). *Anaesth Crit Care Pain Med*. 2025 Apr;44(2):101486. doi: 10.1016/j.accpm.2025.101486. Epub 2025 Jan 30. PMID: 39892616.

BIOCHEMISTRY, GENETICS AND MOLECULAR BIOLOGY/ BIOPHYSICS

Jung JM, Lee MS, Seo YK, Lee JE, Lim SY, Kim D, Lyu S, Park C, Kim BD, Shin JH, Lee JH, Liu P, Jung J, **Conde J**, Thambi T, Jeong JH, Lee DS. [Bioengineered metastatic cancer nanovaccine with a TLR7/8 agonist for needle-free intranasal immunization](#). *Biomaterials*. 2025 Apr 12;321:123331. doi: 10.1016/j.biomaterials.2025.123331. Epub ahead of print. PMID: 40253735.

BIOCHEMISTRY, GENETICS AND MOLECULAR BIOLOGY/ BIOTECHNOLOGY/ CELL BIOLOGY/ MOLECULAR BIOLOGY

Ejtehadifar M, Zahedi S, Gameiro P, Cabeçadas J, Rodriguez MS, da Silva MG, Beck HC, **Matthiesen R, Carvalho AS.** [Proteome alterations in peripheral immune cells of DLBCL patients and evidence of cancer extracellular vesicles involvement](#). *Biochim Biophys Acta Mol Basis Dis*. 2025 Apr 11;1871(6):167842. doi: 10.1016/j.bbadis.2025.167842. Epub ahead of print. PMID: 40222457.

Hong W, Zeng X, Ma R, Tian Y, Miu H, Ran X, Song R, Luo Z, Ju D, Ma D, Ashrafizadeh M, Bhutia SK, **Conde J**, Sethi G, Huang H, Duan C. [Age-associated reduction in ER-Mitochondrial contacts impairs mitochondrial lipid metabolism and autophagosome formation in the heart](#). *Cell Death Differ*. 2025 Apr 20. doi: 10.1038/s41418-025-01511-w. Epub ahead of print. PMID: 40254645.

Martins F, Arada R, Barros H, Matos P, **Ramalho J**, Ceña V, Bonifácio VDB, Gonçalves LG, **Serpa J**. [Lactate-coated polyurea-siRNA dendriplex: a gene therapy-directed and metabolism-based strategy to impair glioblastoma \(GBM\)](#). Cancer Gene Ther. 2025 Apr 27. doi: 10.1038/s41417-025-00906-8. Epub ahead of print. PMID: 40289180.

Peixoto D, **Ravasco JM**, Blanco-Fernandez B, Veiga F, Concheiro A, **Conde J**, Paiva-Santos AC, Alvarez-Lorenzo C. [Enzyme-responsive vitamin D-based micelles for paclitaxel-controlled delivery and synergistic pancreatic cancer therapy](#). Mater Today Bio. 2025 Feb 4;31:101555. doi: 10.1016/j.mtbio.2025.101555. PMID: 40026626; PMCID: PMC11869029.

BIOCHEMISTRY, GENETICS AND MOLECULAR BIOLOGY/ PHYSIOLOGY

Żera T, Paleczny B, Siński M, **Conde SV**, Narkiewicz K, Ponikowski P, Paton JFR, Niewiński P. [Translating physiology of the arterial chemoreflex into novel therapeutic interventions targeting carotid bodies in cardiometabolic disorders](#). J Physiol. 2025 Apr 5. doi: 10.1113/JP285081. Epub ahead of print. PMID: 40186613.

CARDIOLOGY AND CARDIOVASCULAR MEDICINE

Cardoso I, Nunes S, Brás P, Viegas JM, Marques Antunes M, Ferreira A, Almeida I, Custódio I, Trigo C, **Laranjo S**, Graça R, Cruz Ferreira R, **Oliveira M, Aguiar Rosa S**, Antunes D. [The contribution of genetics to the understanding and management of cardiomyopathies: Part 1](#). Rev Port Cardiol. 2025 Apr;44(4):245-254. English, Portuguese. doi: 10.1016/j.repc.2024.11.012. Epub 2025 Feb 21. PMID: 39988112.

Couto DS, Lopes I, Oliveira MI, Schmidt C, Magalhães S, **Dores H**, Ribeiro F, Santos M. [Exercise Intensity Prescription in Heart Failure: A Comparison of Different Physiological Parameters](#). Rev Port Cardiol. 2025 Apr 10:S0870-2551(25)00118-0. English, Portuguese. doi: 10.1016/j.repc.2024.11.018. Epub ahead of print. PMID: 40221088.

De Luca G, Algowhary M, Uguz B, C Oliveira D, Ganyukov V, Zimbakov Z, Cercek M, Jensen LO, Huan Loh P, Calmac L, Roura I Ferrer G, Quadros A, Malewski M, Di Uccio FS, Von Birgelen C, Versaci F, Ten Berg J, Casella G, Wong Sung Lung A, Kala P, Díez Gil JL, Carillo X, [...] **Teles R**, [...]. [Validation of the Zwolle Risk Score in STEMI Patients Undergoing Primary PCI: Insights from the ISCAS-STEMI COVID-19 Registry](#). Curr Vasc Pharmacol. 2025 Apr 16. doi: 10.2174/0115701611335913250408214530. Epub ahead of print. PMID: 40247796.

Silva-Cardoso J, Moreira E, Tavares de Melo R, Moraes-Sarmiento P, **Cardim N**, Oliveira M, Gavina C, Moura B, **Araújo I**, Santos P, Peres M, **Fonseca C**, Ferreira JP, Marques I, Andrade A, Baptista R, Brito D, Cernadas R, Dos Santos J, Leite-Moreira A, Gonçalves L, Ferreira J, Aguiar C, Fonseca M, Fontes-Carvalho R, Franco F, Lourenço C, Martins E, Pereira H, Santos M, Pimenta J. [A Portuguese expert panel position paper on the management of heart failure with preserved ejection fraction - Part I: Pathophysiology, diagnosis and treatment.](#) Rev Port Cardiol. 2025 Apr;44(4):233-243. English, Portuguese. doi: 10.1016/j.repc.2024.11.011. Epub 2025 Feb 18. PMID: 39978763.

CARDIOLOGY AND CARDIOVASCULAR MEDICINE/ COMPLEMENTARY AND ALTERNATIVE MEDICINE/ GERIATRICS AND GERONTOLOGY

Von Rekowski CP, Pinto I, **Fonseca TAH**, **Araújo R**, **Calado CRC**, **Bento L**. [Analysis of six consecutive waves of ICU-admitted COVID-19 patients: key findings and insights from a Portuguese population.](#) Geroscience. 2025 Apr;47(2):2399-2422. doi: 10.1007/s11357-024-01410-x. Epub 2024 Nov 14. PMID: 39538084; PMCID: PMC11979077.

CARDIOLOGY AND CARDIOVASCULAR MEDICINE/ MEDICINE (MISCELLANEOUS)/ PHARMACOLOGY (MEDICAL)

Gomes DA, **Presume J**, **de Araújo Gonçalves P**, **Almeida MS**, Mendes M, Ferreira J. [Association Between the Magnitude of Glycemic Control and Body Weight Loss With GLP-1 Receptor Agonists and Risk of Atherosclerotic Cardiovascular Disease: A Systematic Review and Meta-analyses of Randomized Diabetes Cardiovascular Outcomes Trials.](#) Cardiovasc Drugs Ther. 2025 Apr;39(2):337-345. doi: 10.1007/s10557-024-07547-3. Epub 2024 Jan 12. PMID: 38214869.

CARDIOLOGY AND CARDIOVASCULAR MEDICINE/ NEUROLOGY (CLINICAL)/ RADIOLOGY, NUCLEAR MEDICINE AND IMAGING

Guerreiro H, Januel AC, Dorn F, Rautio R, Kyselyova AA, Radu RA, Reis J, Fiehler J, **Fragata I**. [Neurointervention-from entry to expertise: Examining gender bias across different training access routes in Europe.](#) Interv Neuroradiol. 2025 Apr 29;15910199251336928. doi: 10.1177/15910199251336928. Epub ahead of print. PMID: 40296679.

CARDIOLOGY AND CARDIOVASCULAR MEDICINE/ SURGERY

Grima MJ, Ancetti S, Pherwani AD, **Gonçalves FB**, Budtz-Lilly J, Behrendt CA, Scali ST, Beck AW, Mani K; VASCUNET/ICVR AAA collaborative group. [Standards for Abdominal Aortic Aneurysm Repair Quality Improvement](#)

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Ribeiro TF, Quintas A, **Ferreira RS**, Ferreira ME, Gonçalves FB; Principal Investigators of the Portuguese National Registry of Vascular Procedures. Nationwide Outcomes of Open versus Endovascular Repair for Complex Infrarenal Neck, Juxtarenal, and Pararenal Abdominal Aortic Aneurysm in Portugal. Eur J Vasc Endovasc Surg. 2025 Apr 25:S1078-5884(25)00352-1. doi: 10.1016/j.ejvs.2025.04.043. Epub ahead of print. PMID: 40288565.

Ribeiro TF, **Soares Ferreira R**, Amaral C, **Bastos Gonçalves F**, Ferreira ME. The Impact of Neutrophil-to-Lymphocyte Ratio on Short- and Long-Term Prognosis Following Elective Infrarenal EVAR. Ann Vasc Surg. 2025 Apr;113:195-204. doi: 10.1016/j.avsg.2025.01.033. Epub 2025 Jan 27. PMID: 39880285.

CHEMISTRY (MISCELLANEOUS)/ ELECTROCHEMISTRY

X. Feng, Z. Luo, W. Zhang, R. Wan, Y. Chen, F. Li, Y. He, Z. Lin, J. H. Hui, J. Conde, S. Chen, Z. Zhao, X. Wang. Zn-DHM Nanozymes Enhance Muscle Regeneration Through ROS Scavenging and Macrophage Polarization in Volumetric Muscle Loss Revealed by Single-Cell Profiling. Adv Funct Mater. 2025. doi.org/10.1002/adfm.202506476.

CRITICAL CARE AND INTENSIVE CARE MEDICINE

Cardoso FS, Lee WM, Karvellas CJ; U.S. Acute Liver Failure Study Group. Brain CT Scan Diagnostic and Prognostic Value in Patients With Acute Liver Failure and Cerebral Edema: A Multicenter Cohort Study. Crit Care Explor. 2025 Apr 15;7(4):e1251. doi: 10.1097/CCE.0000000000001251. PMID: 40232229; PMCID: PMC12002376.

ENDOCRINOLOGY, DIABETES AND METABOLISM

Aguiar L, **Sá Martins V**, Pinto I, **Papoila A**, Dias C, Figueiredo R, Pereira J, Ramião I, Velez B, Adragão T, Borges N, Almeida E, Garrido J, Macário F. Nutritional risk assessment in hemodialysis patients: A comparative analysis

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Rodrigues C, Sousa Barbosa C, de Almeida MF, Bandeira A, Martins E, Rocha S, Guimas A, Ribeiro R, Soares A, **Moreira-Rosário A,** Dias CC, MacDonald A, Borges N, **Rocha JC.** Protein intake and prevalence of overweight in patients with phenylketonuria: A 10-year longitudinal study. Mol Genet Metab. 2025 Apr;144(4):109068. doi: 10.1016/j.ymgme.2025.109068. Epub 2025 Feb 23. PMID: 40037212.

ENDOCRINOLOGY, DIABETES AND METABOLISM/ INTERNAL MEDICINE

Oliveira Torres J, Guilherme Lima M, **Bouça B, Silva-Nunes J.** GLP-1 receptor agonists versus testosterone in male reproductive health: A critical perspective. Diabetes Obes Metab. 2025 Apr 21. doi: 10.1111/dom.16404. Epub ahead of print. PMID: 40259520.

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GASTROENTEROLOGY/ HEPATOLOGY

Younossi ZM, Zelber-Sagi S, Lazarus JV, Wai-Sun Wong V, Yilmaz Y, Duseja A, Eguchi Y, Castera L, Pessoa MG, Oliveira CP, El-Kassas M, Tsochatzis E, Fan JG, Spearman CW, Tacke F, Castellanos Fernandez MI, Alkhouri N, Schattenberg JM, Romero-Gómez M, Noureddin M, Allen AM, Ong JP, Roberts SK, Shubbrook JH, Burra P, Kohli R, Kautz A, Holleboom AG, Lam B, Isaacs S, **Macedo P**, Gastaldelli A, Henry L, Ivancovsky-Wajcman D, Nader F, de Avila L, Price JK, Mark HE, Villota-Rivas M, Barberá A, Kalligeros M, Gerber LH, Alqahtani SA. [Global Consensus Recommendations for Metabolic Dysfunction-Associated Steatotic Liver Disease and Steatohepatitis](#). *Gastroenterology*. 2025 Apr 11:S0016-5085(25)00632-8. doi: 10.1053/j.gastro.2025.02.044. Epub ahead of print. PMID: 40222485.

GASTROENTEROLOGY/ RADIOLOGY, NUCLEAR MEDICINE AND IMAGING

Estevinho MM, Sarmento Costa M, Franco R, Pestana I, Marílio Cardoso P, Archer S, **Canha MI**, Correia J, Mesquita P, Roque Ramos L, Rodrigues A, Gomes C, Lopes S, Pinho R. [Preparation Regimens to Improve Capsule Endoscopy Visualization and Diagnostic Yield \(PrepRICE\): a multicenter randomized trial](#). *Gastrointest Endosc*. 2025 Apr;101(4):856-865.e3. doi: 10.1016/j.gie.2024.07.012. Epub 2024 Jul 22. PMID: 39048039.

HEALTH INFORMATICS/ HEALTH POLICY

Goiana-da-Silva F, Guedes R, Malcata F, Sá J, Cabral M, Vasconcelos R, Costa S, Morais-Vilaça I, Pinheiro-Guedes L, Sarmento J, Costa F, Moreira R, **Fonseca F**, Alves J, Miraldo M, Nunes AM, Ashrafian H, Darzi A, Araújo F. [Addressing Bureaucratic Burdens on the Portuguese National Health Service: A Simplification Experience Aiming for Value-Based Healthcare](#). *Healthcare (Basel)*. 2025 Apr 4;13(7):821. doi: 10.3390/healthcare13070821. PMID: 40218118; PMCID: PMC11989048.

HEALTH POLICY

Michelsen B, Østergaard M, Nissen MJ, Ciurea A, Möller B, Midtbøll Ørnbjerg L, Horák P, Glintborg B, MacDonald A, Laas K, Sokka-Isler T, Gudbjornsson B, Iannone F, Hellamand P, Kvien TK, **Rodrigues AM**, Codreanu C, Rotar Z, Castrejón I, Wallman JK, Pavelka K, Loft AG, Heddle M, Vorobjov S, Relas H, Gröndal G, Gremese E, van der Horst-Bruinsma I, Kristianslund EK, Santos MJ, Mogosan C, Tomsic M, Diaz-Gonzalez F, Giuseppe DD, Nielsen SW, Hetland ML. [Disparities in the organisation of national healthcare systems for treatment of patients with psoriatic arthritis and axial spondyloarthritis across Europe](#). *Health Policy*. 2025 Apr 4;156:105311. doi: 10.1016/j.healthpol.2025.105311. Epub ahead of print. PMID: 40245675.

INTERNAL MEDICINE

Pinheiro J, Ribeiro L, **Teixeira D**, Ribeiro A, Coelho-E-Silva MJ. [Skeletal Maturity in Adolescence: Evaluating Bone Development and Age Metrics](#). *Diagnostics (Basel)*. 2025;15(8):970. Published 2025 Apr 10. doi:10.3390/diagnostics15080970

GENETICS (CLINICAL)

Kaminska K, Cancellieri F, Quinodoz M, Moye AR, Bauwens M, Lin S, Janeschitz-Kriegl L, Hayman T, Barberán-Martínez P, Schlaeger R, Van den Broeck F, Ávila Fernández A, Fernández-Caballero L, Perea-Romero I, García-García G, Salom D, Mazzola P, Zuleger T, Poths K, Haack TB, Jacob J, Vermeer S, Terbeek F, Feltgen N, Moulin AP, Koutroumanou L, Papadakis G, Browning AC, Madhusudhan S, Gränse L, Banin E, Sousa AB, Coutinho Santos L, Kuehlewein L, De Angeli P, Leroy BP, Mahroo OA, Sedgwick F, Eden J, Pfau M, Andréasson S, Scholl HPN, Ayuso C, Millán JM, Sharon D, Tsilimbaris MK, Vaclavik V, Tran HV, Ben-Yosef T, De Baere E, Webster AR, Arno G, Sergouniotis PI, Kohl S, **Santos C**, Rivolta C. [Bi-allelic variants in three genes encoding distinct subunits of the vesicular AP-5 complex cause hereditary macular dystrophy](#). *Am J Hum Genet*. 2025 Apr 3;112(4):808-828. doi: 10.1016/j.ajhg.2025.02.015. Epub 2025 Mar 12. PMID: 40081374.

IMMUNOLOGY AND ALLERGY/RHEUMATOLOGY

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INFECTIOUS DISEASES

Fischer C, Frühauf A, Inchauste L, Cassiano MHA, Ramirez HA, Barthélémy K, Machicado LB, **Bozza FA**, Brites C, Cabada MM, Sánchez CAC, Rodríguez AC, de Lamballerie X, de Los Milagros Peralta Delgado R, de Oliveira-Filho EF, Domenech de Cellès M, Franco-Muñoz C, Mendoza MPG, Nogueira MG, Gélvez-Ramírez RM, Gonzalez MG, Gotuzzo E, Kramer-Schadt S, Kuivanen S, Laiton-Donato K, Lozano-Parra A, Málaga-Trillo E, Alva DVM, Missé D, Moreira-Soto A, Souza TM, Mozo K, Netto EM, Olk N, Diaz JMP, Jorge CP, Astudillo AMP, Piche-Ovares M, Priet S, Rincón-Orozco B, Romero-Zúñiga JJ, Cisneros SPS, Stöcker A, Ugalde JCV, Centeno LAV, Wenzler-Meya M, Zevallos JC, Drexler JF. [The spatiotemporal ecology of Oropouche virus across Latin America: a multidisciplinary, laboratory-based, modelling study](#). Lancet Infect Dis. 2025 Apr 11:S1473-3099(25)00110-0. doi: 10.1016/S1473-3099(25)00110-0. Epub ahead of print. PMID: 40245909.

MEDICINE (MISCELLANEOUS)

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Pimpão AB, **Teixeira-Santos L**, **Coelho NR**, **Correia MJ**, **Morello J**, Antunes AMM, **Monteiro EC**, **Pereira SA**. [Biotransformation of ketamine in terminal in vivo experiments under chronic intermittent hypoxia conditions and the role of AhR](#). Arch Toxicol. 2025 Apr 19. doi: 10.1007/s00204-025-04044-w. Epub ahead of print. PMID: 40253307.

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