



# DEFI

## SCIENTIFIC YEARBOOK



# DEFI

DEPARTMENT OF EDUCATION, TRAINING AND RESEARCH | SCIENTIFIC YEARBOOK

**CENTRO HOSPITALAR UNIVERSITÁRIO DO PORTO  
DEPARTMENT OF EDUCATION, TRAINING AND RESEARCH**

**DEPARTMENT OF CLINICAL RESEARCH**

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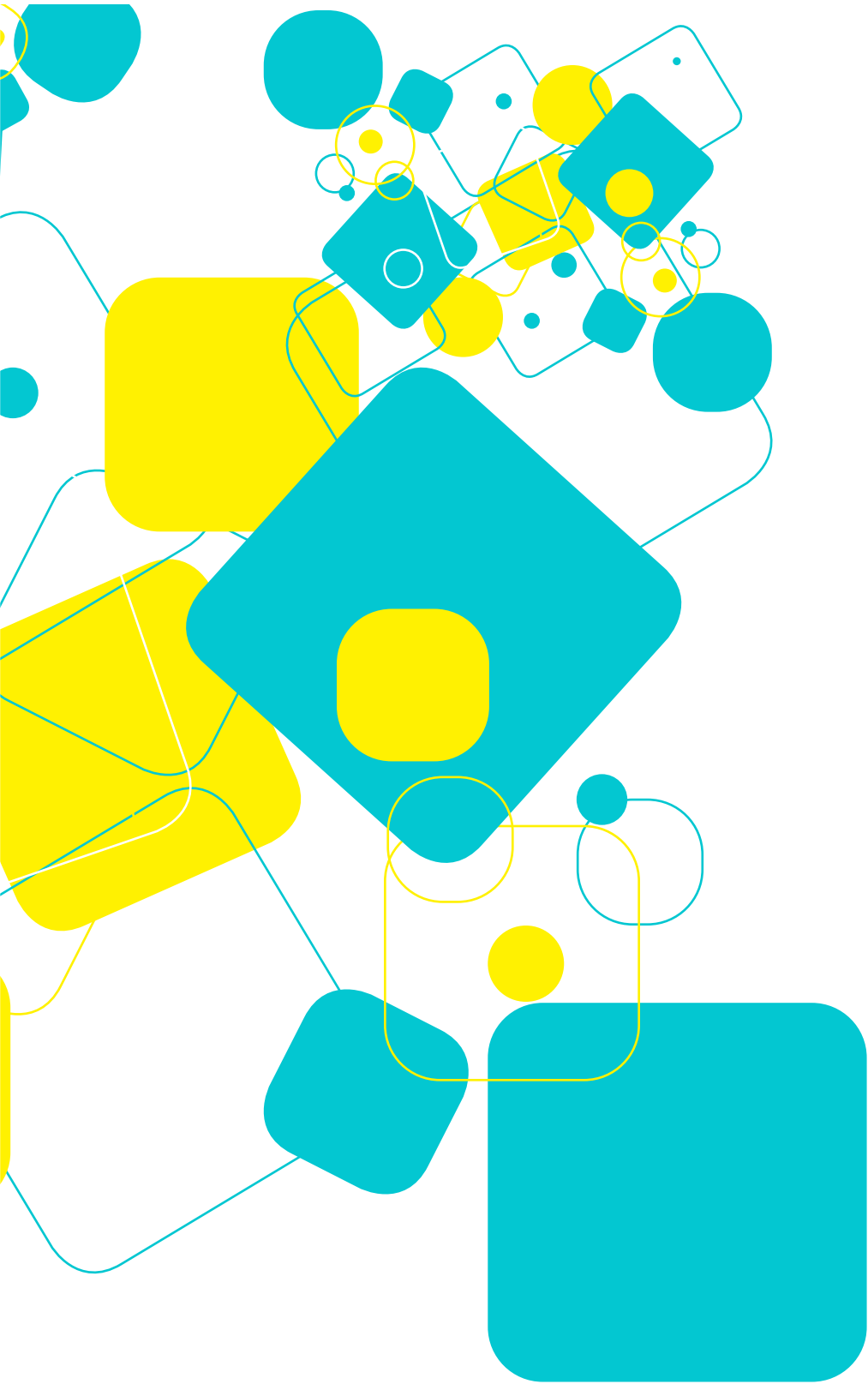
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# 1. INTRODUCTION



Luísa Lobato  
DEFI Director

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Centro Hospitalar Universitário do Porto

The Education, Training, and Research Department (DEFI) of Centro Hospitalar Universitário do Porto (CHUP) has as its main goals to promote, stimulate, and support scientific research in health. Through the publication of its Scientific Yearbook, DEFI aims to disseminate, internally and externally, the scientific knowledge generated at CHUP and the different trends in institutional clinical research.

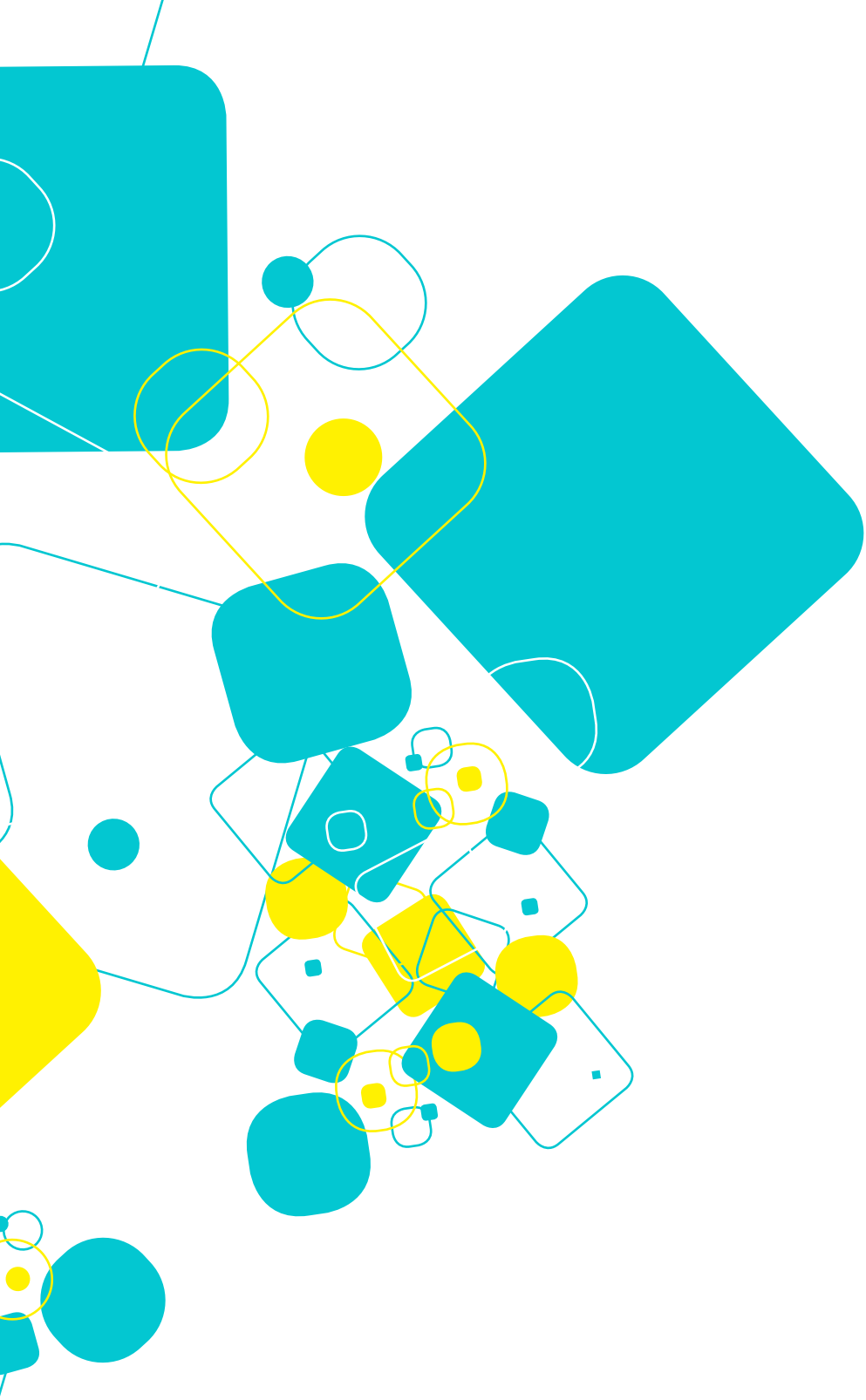
## MESSAGE FROM THE BOARD

Dear Colleagues,

DEFI publishes its 2019 Scientific Yearbook detailing the institutional investment in clinical studies and courses and partnerships with academia and R&D units. DEFI remained committed to supporting research, and managed institutional financial support to facilitate the development of innovative projects and improve articulation with hospital services. We maintained a close collaboration with Instituto de Ciências Biomédicas Abel Salazar of the University of Porto, which allowed the development of new projects and doctoral theses.

Once again, I must acknowledge the dedicated work of those who collected and assembled the indicators that made the publication of this Yearbook possible. In its chapters, you will find CHUP's scientific production, including (where applicable) its publications and external communications, academic work, and research projects. The institution's path, focused on the integration in European reference networks of specific diseases, anticipates other collaborative projects.

In 2019, DEFI continued to welcome and seek partnerships, following the guidelines of the Board of Directors, whom we thank for its trust. As usual, this Yearbook is dedicated to CHUP researchers and teams.

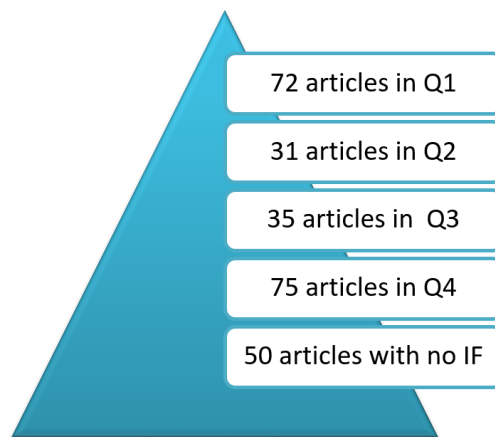


## 2. SCIENTIFIC ARTICLES

## SCIENTIFIC ARTICLES PUBLISHED BY CHUP PROFESSIONALS IN PUBMED-INDEXED JOURNALS IN 2019

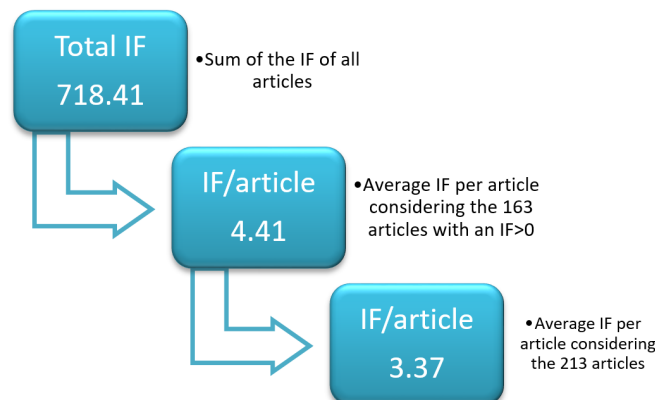
In 2019, 213 articles with at least one CHUP affiliation were published in journals indexed in PubMed, of which 116 were authored and 97 were co-authored by CHUP professionals.

In terms of the scientific journals in which the articles were published, 163 had an Impact Factor (IF) granted by the Journal Citation Reports greater than zero. Seventy articles, representing 30% of the retrieved references, were published in journals in the first quartile (Q1) of their scientific field. (**Figure 1**).



**Figure 1** - Distribution of CHUP articles indexed in PubMed in 2019, according to the journals' Impact Factor.

Overall, CHUP's scientific articles achieved an overall IF of 718.409 in 2019. This corresponds to an average IF of 3.373 when considering all 213 publications, or 4.407 when considering only those with an IF greater than zero (**Figure 2**).



**Figure 2** - Overall IF of CHUP articles and average impact factor per article in 2019 considering all articles or only those published in journals with an IF greater than zero.

Listed below are the articles authored and co-authored by CHUP professionals, published in scientific journals indexed in PubMed/Medline in 2019. The names of authors affiliated with CHUP are underlined. For each article, the journal's IF and quartile within its category are indicated.

1. Adams D, Koike H, Slama M, Coelho T. [Hereditary transthyretin amyloidosis: a model of medical progress for a fatal disease](#). *Nat Rev Neurol*. 2019 Jul;15(7):387-404. doi: 10.1038/s41582-019-0210-4. Epub 2019 Jun 17. Review. PubMed PMID: 31209302. **(IF: 21,155 – Q1)**
2. Alejos B, Stella-Ascariz N, Montejano R, Rodriguez-Centeno J, Schwimmer C, Bernardino JI, Rodes B, Esser S, Goujard C, Sarmiento-Castro R, De Miguel R, Esteban-Cantos A, Wallet C, Raffi F, Arribas JR; NEAT 001/ANRS 143 Study Group. [Determinants of blood telomere length in antiretroviral treatment-naïve HIV-positive participants enrolled in the NEAT 001/ANRS 143 clinical trial](#). *HIV Med*. 2019 Nov;20(10):691-698. doi: 10.1111/hiv.12791. Epub 2019 Sep 18. PubMed PMID: 31532902. **(IF: 3,734 – Q2)**
3. Aliberti S, **Cook GS**, Babu BL, Reyes LF, H Rodriguez A, Sanz F, Soni NJ, Anzueto A, Faverio P, Sadud RF, Muhammad I, Prat C, Vendrell E, Neves J, Kaimakamis E, Feneley A, Swarnakar R, Franzetti F, Carugati M, Morosi M, Monge E, Restrepo MI; GLIMP investigators (Leuschner P, Meireles M, Ferrao C). [International prevalence and risk factors evaluation for drug-resistant \*Streptococcus pneumoniae\* pneumonia](#). *J Infect*. 2019 Oct;79(4):300-311. doi: 10.1016/j.jinf.2019.07.004. Epub 2019 Jul 9. PubMed PMID: 31299410. **(IF: 5,099 – Q1)**
4. Anderloni A, Auriemma F, Fugazza A, Troncone E, Maia L, Maselli R, Carrara S, D'Amico F, Belletrutti PJ, Repici A. [Direct peroral cholangioscopy in the management of difficult biliary stones: a new tool to confirm common bile duct clearance. Results of a preliminary study](#). *J Gastrointest Liver Dis*. 2019 Mar;28(1):89-94. doi: 10.15403/jgld.2014.1121.281.bil. PubMed PMID: 30851177. **(IF: 2,063 – Q4)**
5. Araújo AM, Machado HS, Falcão AC, Soares-da-Silva P. [Bioelectrical impedance analysis of body composition for the anesthetic induction dose of propofol in older patients](#). *BMC Anesthesiol*. 2019 Oct 11;19(1):180. doi: 10.1186/s12871-019-0856-x. PubMed PMID: 31604419; PubMed Central PMCID: PMC6790019. **(IF: 1,619 – Q4)**
6. Araújo M, Borges T, Mahia Y, Lages V, Pereira A. [Orbital solitary fibrous tumor: A painless mass after a dacryochystrhinostomy](#). *Saudi J Ophthalmol*. 2019 Jul-Sep;33(3):316-318. doi: 10.1016/j.sjopt.2018.12.004. Epub 2018 Dec 17. PubMed PMID: 31686979; PubMed Central PMCID: PMC6819725. **(IF:0,000 – Q4)**
7. Aringer M, Costenbader K, Daikh D, Brinks R, Mosca M, Ramsey-Goldman R, Smolen JS, Wofsy D, Boumpas DT, Kamen DL, Jayne D, Cervera R, Costedoat-Chalumeau N, Diamond B, Gladman DD, Hahn B, Hiepe F, Jacobsen S, Khanna D, Lerstrøm K, Massarotti E, McCune J, Ruiz-Irastorza G, Sanchez-Guerrero J, Schneider M, Urowitz M, Bertsias G, Hoyer BF, Leuchten N, Tani C, Tedeschi SK, Touma Z, Schmajuk G, Anic B, Assan F, Chan TM, Clarke AE, Crow MK, Czirják L, Doria A, Graninger W, Halda-Kiss B, Hasni S, Izmirly PM, Jung M, Kumánovics G, Mariette X, Padjen I, Pego-Reigosa JM, Romero-Diaz J, Rúa-Figueroa Fernández Í, Seror R, Stummvoll GH, Tanaka Y, Tektonidou MG, Vasconcelos C, Vital EM, Wallace DJ, Yavuz S, Meroni PL, Fritzler MJ, Naden R, Dörner T, Johnson SR. [2019 European League Against Rheumatism/American College of Rheumatology Classification Criteria](#)

- for [Systemic Lupus Erythematosus](#). *Arthritis Rheumatol*. 2019 Sep;71(9):1400-1412. doi: 10.1002/art.40930. Epub 2019 Aug 6. PubMed PMID: 31385462; PubMed Central PMCID: PMC6827566. **(IF:9,002 – Q1)**
8. Aringer M, Costenbader K, Daikh D, Brinks R, Mosca M, Ramsey-Goldman R, Smolen JS, Wofsy D, Boumpas DT, Kamen DL, Jayne D, Cervera R, Costedoat-Chalumeau N, Diamond B, Gladman DD, Hahn B, Hiepe F, Jacobsen S, Khanna D, Lerstrøm K, Massarotti E, McCune J, Ruiz-Irastorza G, Sanchez-Guerrero J, Schneider M, Urowitz M, Bertsias G, Hoyer BF, Leuchten N, Tani C, Tedeschi SK, Touma Z, Schmajuk G, Anic B, Assan F, Chan TM, Clarke AE, Crow MK, Cziráková L, Doria A, Graninger W, Halda-Kiss B, Hasni S, Izmirly PM, Jung M, Kumánovics G, Mariette X, Padjen I, Pego-Reigosa JM, Romero-Diaz J, Rúa-Figueroa Fernández Í, Seror R, Stummvoll GH, Tanaka Y, Tektonidou MG, [Vasconcelos C](#), Vital EM, Wallace DJ, Yavuz S, Meroni PL, Fritzler MJ, Naden R, Dörner T, Johnson SR. [2019 European League Against Rheumatism/American College of Rheumatology classification criteria for systemic lupus erythematosus](#). *Ann Rheum Dis*. 2019 Sep;78(9):1151-1159. doi: 10.1136/annrheumdis-2018-214819. Epub 2019 Aug 5. Review. PubMed PMID: 31383717. **(IF:14,299 – Q1)**
  9. Atanaskovic-Markovic M, [Gomes E](#), Cernadas JR, du Toit G, Kidon M, Kuyucu S, Mori F, Ponvert C, Terreehorst I, Caubet JC. [Diagnosis and management of drug-induced anaphylaxis in children: An EAACI position paper](#). *Pediatr Allergy Immunol*. 2019 May;30(3):269-276. doi: 10.1111/pai.13034. PMID: 30734362. **(IF:4,699 – Q1)**
  10. [Azevedo A](#), [Machado S](#), [Sanches M](#), [Selores M](#). [Multiple telangiectasias in a child](#). *Paediatr Child Health*. 2019 May;24(2):74-75. doi: 10.1093/pch/pxy103. Epub 2018 Jul 28. PubMed PMID: 30996595; PubMed Central PMCID: PMC6462131. **(IF:1,059 – Q4)**
  11. [Azevedo A](#), [Lobo I](#), [Selores M](#). [Allergic contact dermatitis and electronic cigarettes: Is nickel to blame?](#) *Contact Dermatitis*. 2019 Aug;81(2):135-136. doi:10.1111/cod.13257. Epub 2019 Apr 2. PubMed PMID: 30834540. **(IF:5,504 – Q4)**
  12. [Barros LH](#), [Barbosa TA](#), [Esteves J](#), [Abreu M](#), [Soares D](#), [Sousa R](#). [Early Debridement, antibiotics and implant retention \(DAIR\) in patients with suspected acute infection after hip or knee arthroplasty - safe, effective and without negative functional impact](#). *J Bone Jt Infect*. 2019 Dec 10;4(6):300-305. doi:10.7150/jbji.39168. eCollection 2019. PubMed PMID: 31966962; PubMed Central PMCID: PMC6960028. **(IF:0,000 – Q4)**
  13. [Barroso F](#), [Machado S](#), [Selores M](#). [Asymptomatic circumscribed round lesion on the buttock](#). *J Paediatr Child Health*. 2019 Jan;55(1):114. doi: 10.1111/jpc.1\_14298. PubMed PMID: 30637876. **(IF:1,688 – Q3)**
  14. [Barroso F](#), [Machado S](#), [Selores M](#). [Asymptomatic circumscribed round lesion on the buttock](#). *J Paediatr Child Health*. 2019 Jan;55(1):114-115. doi:10.1111/jpc.2\_14298. PubMed PMID: 30637867. **(IF:1,688 – Q3)**
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22. [Castro-Poças FM](#), [Bernardo S](#), [Lima OMG](#), [Santos MD](#). [Miniprobe endoscopic ultrasonography for the diagnosis of colon hemangiolymphangioma](#). *Rev Esp Enferm Dig*. 2019 Jun;111(6):488-490. doi: 10.17235/reed.2019.6144/2018. PMID: 31140287. **(IF:1,858 – Q4)**
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29. [Coelho J, Malheiro L, Melo Beirão J, Meireles A, Pessoa B. Real-world retrospective comparison of 0.19 mg fluocinolone acetonide and 0.7 mg dexamethasone intravitreal implants for the treatment of diabetic macular edema in vitrectomized eyes.](#) *Clin Ophthalmol.* 2019 Sep 9;13:1751-1759. doi: 10.2147/OPHT.S201611. eCollection 2019. PubMed PMID: 31571814; PubMed Central PMCID: PMC6750204. **(IF:0,000 – Q4)**
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36. [Daly A, Evans S, Chahal S, Santra S, Pinto A, Gingell C, Rocha JC, van Spronsen F, Jackson R, MacDonald A. The effect of glycomacropeptide versus amino acids on phenylalanine and tyrosine variability over 24 hours in children with pku: A randomized controlled trial.](#) *Nutrients.* 2019 Feb 28;11(3). pii: E520. doi: 10.3390/nu11030520. PubMed PMID: 30823411; PubMed Central PMCID: PMC6471794. **(IF:4,171 – Q1)**
37. [Daly A, Evans S, Chahal S, Santra S, Pinto A, Jackson R, Gingell C, Rocha J, Van Spronsen FJ, MacDonald A. Glycomacropeptide: long-term use and impact on blood phenylalanine, growth and nutritional status in children with PKU.](#) *Orphanet J Rare Dis.* 2019 Feb 15;14(1):44. doi: 10.1186/s13023-019-1011-y. Review. PubMed PMID: 30770754; PubMed Central PMCID: PMC6377744. **(IF:3,687 – Q2)**
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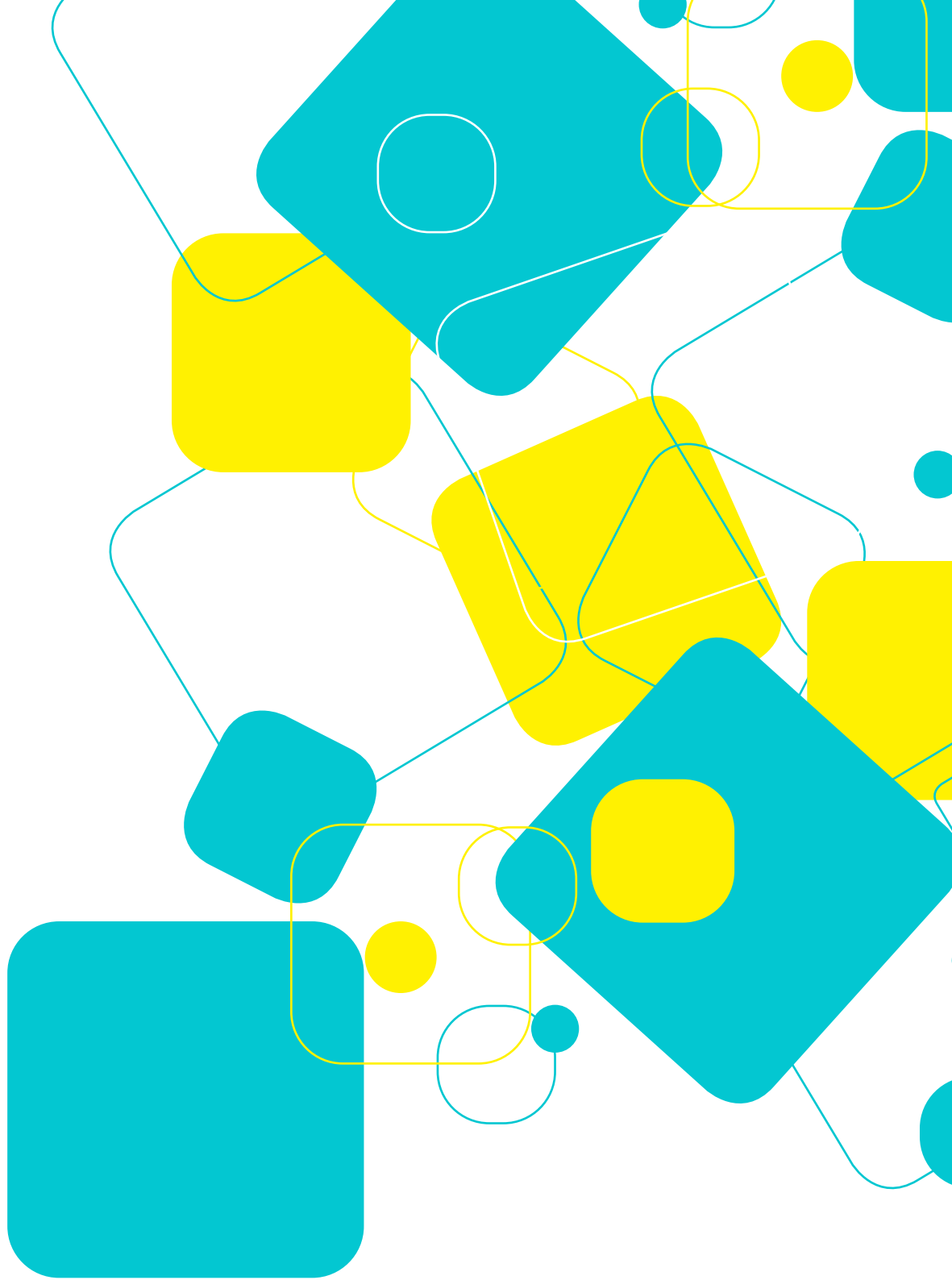
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203. [Veiga DR](#), [Monteiro-Soares M](#), [Mendonça L](#), [Sampaio R](#), [Castro-Lopes JM](#), [Azevedo LF](#). [Effectiveness of opioids for chronic noncancer pain: A two-year multicenter, prospective cohort study with propensity score matching](#). *J Pain*. 2019 Jun;20(6):706-715. doi: 10.1016/j.jpain.2018.12.007. Epub 2018 Dec 29. PubMed PMID: 30597203. **(IF:5,424 – Q1)**
204. [Verdelho A](#), [Madureira S](#), [Correia M](#), [Ferro JM](#), [Rodrigues M](#), [Gonçalves-Pereira M](#), [Gonçalves M](#), [Santos AC](#), [Vilela P](#), [Bárrios H](#), [Borges M](#), [Santa-Clara H](#). [Impact of physical activity in vascular cognitive impairment \(AFIVASC\): Study protocol for a randomised controlled trial](#). *Trials*. 2019 Feb 11;20(1):114. doi: 10.1186/s13063-019-3174-1. PubMed PMID: 30744681; PubMed Central PMCID: PMC6371566. **(IF:1,975 – Q3)**
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211. [Wollenweber FA](#), [Opherck C](#), [Zedde M](#), [Catak C](#), [Malik R](#), [Duering M](#), [Konieczny MJ](#), [Pascarella R](#), [Samões R](#), [Correia M](#), [Martí-Fàbregas J](#), [Linn J](#), [Dichgans M](#). [Prognostic relevance of cortical superficial siderosis in cerebral amyloid angiopathy](#). *Neurology*. 2019 Feb 19;92(8):e792-e801. doi: 10.1212/WNL.0000000000006956. Epub 2019 Jan 23. PubMed PMID: 30674596. **(IF:8,689 – Q1)**

212. [Xará-Leite F](#), Andrade R, Moreira PS, [Coutinho L](#), Ayeni OR, Sevivas N, Espregueira-Mendes J. [Anatomic and non-anatomic reconstruction improves post-operative outcomes in chronic acromio-clavicular instability: a systematic review](#). *Knee Surg Sports Traumatol Arthrosc.* 2019 Dec;27(12):3779-3796. doi: 10.1007/s00167-019-05408-3. Epub 2019 Feb 26. PubMed PMID: 30806755. **(IF:3,149 – Q1)**
213. [Zão A](#), [Magalhães S](#), [Santos M](#). [Frailty in cardiovascular disease: Screening tools](#). *Rev Port Cardiol.* 2019 Feb;38(2):143-158. doi: 10.1016/j.repc.2018.05.019. Epub 2019 Mar 14. Review. English, Portuguese. PubMed PMID: 30879899. **(IF:0,785 – Q4)**



### 3. BOOKS AND BOOK CHAPTERS

## BOOKS

### **50 PERGUNTAS CHAVE NO DIAGNÓSTICO E TERAPÊUTICA DAS MICROANGIOPATIAS TROMBÓTICAS**

**Editors:** Aníbal Ferreira, Joaquim Calado, Josefina Santos

**Publisher:** Permanyer Portugal

**Authors:** Aníbal Ferreira, Joaquim Calado, Josefina Santos

### **ALIMENTAÇÃO SAUDÁVEL DOS 0 AOS 6 ANOS – LINHAS de ORIENTAÇÃO PARA PROFISSIONAIS E EDUCADORES**

**Editors:** Directorate-General of Health

**Publisher:** Ministry of Health. Directorate-General of Health

**Authors:** Carla Rêgo, Carla Lopes, Catarina Durão, Elisabete Pinto, Helena Mansilha, Luís Pereira-da-Silva, Margarida Nazareth, Ricardo Ferreira, Rui Matias Lima

### **INHERITED RETINAL DYSTROPHIES – REFSUM SYNDROME**

**Editors:** Retina Study Group

**Publisher:** Retina Study Group

**Authors:** Bernardete Pessoa, Melo Beirão

### **URGÊNCIAS EM OFTALMOLOGIA – URGÊNCIAS OFTALMOLÓGICAS EM RETINA – DESCOLAMENTO DE RETINA, LUXAÇÃO DE CRISTALINO, LENTE INTRA-OCULAR OU FRAGMENTOS DE CRISTALINO NO VÍTREO E ENDOFTALMITES**

**Editors:** Théa Portugal

**Publisher:** Théa Portugal

**Authors:** Bernardete Pessoa

## BOOK CHAPTERS

### **50 PERGUNTAS CHAVE NO DIAGNÓSTICO E TERAPÊUTICA DAS MICROANGIOPATIAS TROMBÓTICAS**

**Chapter:** Transplante renal e síndrome hemolítica-urémica atípica

**Editors:** Aníbal Ferreira, Joaquim Calado, Josefina Santos

**Publisher:** Permanyer Portugal

**Authors:** Josefina Santos

### **LIBER AMICORUM**

**Chapter:** Bioética e Medicina Narrativa em cuidados intensivos neonatais: vulnerabilidade, solicitude e responsabilidade

**Editors:** Adolfo Alberto Saglio Zamudio

**Publisher:** AASZ

**Authors:** Carmen Carvalho

### **PATOLOGIA DA RETINA**

**Chapter:** Deslocamento de retina traccional

**Editors:** Teresa Quintão, Susana Teixeira, José Henriques

**Publisher:** Lidel

**Authors:** Bernardete Pessoa, João Melo Beirão

### **TRATADO de NEFROLOGIA PEDIÁTRICA**

**Chapter:** Consecuencias renales de la obesidad

**Editors:** Servicio de Publicaciones de la Universidad de Oviedo

**Publisher:** Servicio de Publicaciones de la Universidad de Oviedo

**Authors:** Liane Correia-Costa, Ana Azevedo, Alberto Caldas Afonso

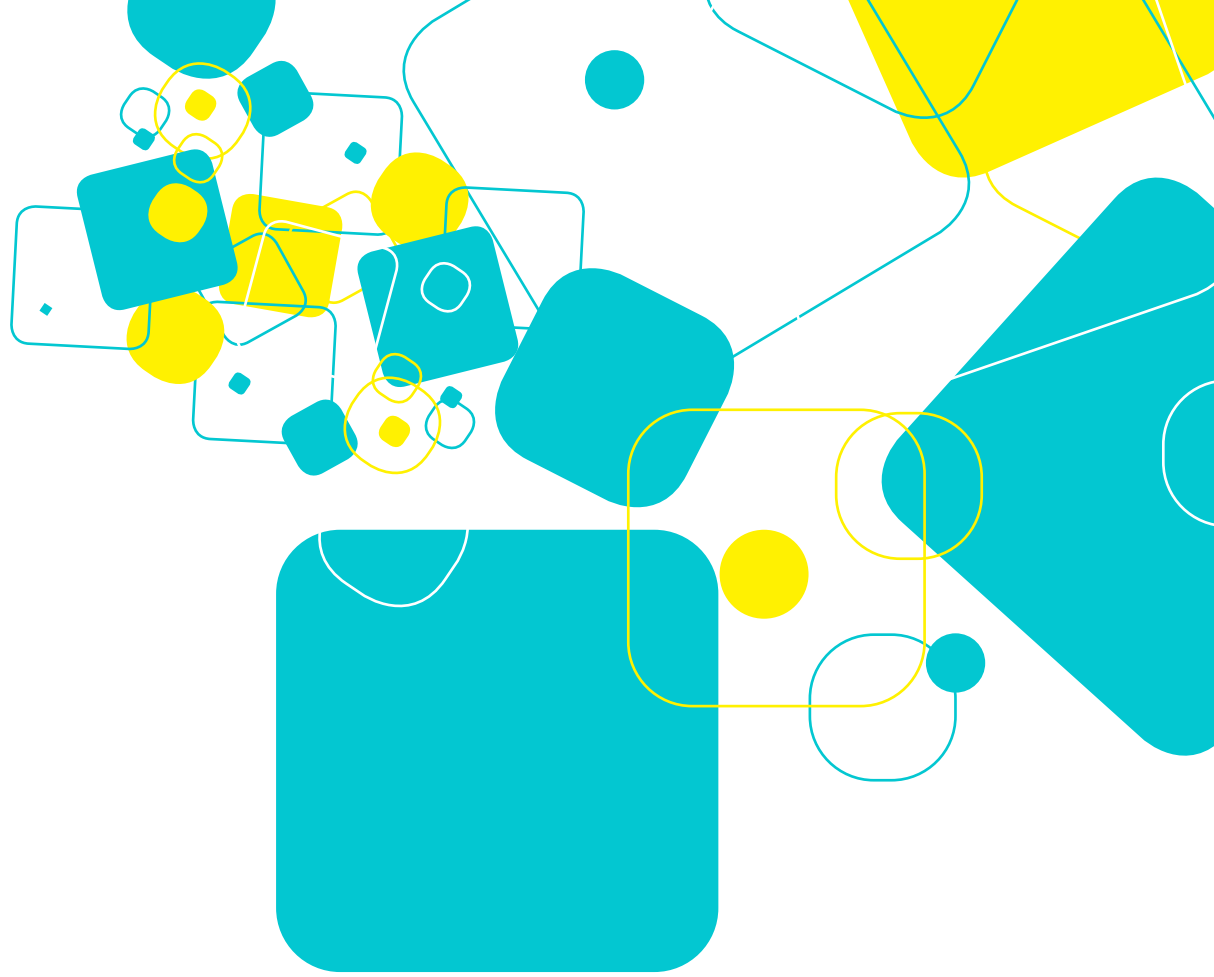
### **URGÊNCIAS EM OFTALMOLOGIA**

**Chapter:** Complicações do Uso de Lentes de Contacto

**Editors:** António Ramalho

**Publisher:** Théa Portugal

**Authors:** Irene Barbosa



# 4. ACADEMIC EXAMINATIONS

## DOCTORAL THESES

In 2019, three CHUP professionals received their doctoral degrees in the scientific field of Medical Sciences (3).

### **Maria Teresa Pardal Monteiro Coelho**

Medical doctor and Head of the Department of Neurology and of Corino de Andrade Unit

**Title:** *Disease modifying therapies for ATTR amyloidoses: clinical development of new drugs and impact on the natural history of the disease*

**Scientific field:** Medical Sciences

**Institution:** Instituto de Ciências Biomédicas Abel Salazar, University of Porto

**Graduation date:** 15-07-2019

### **Maria Fernanda Duarte Silva**

Senior Diagnostic and Therapeutic Technician - Clinical Analysis at the Pathology Division

**Title:** *Implicações clínicas entre obesidade e carcinoma da próstata*

**Scientific field:** Biomedical Sciences

**Institution:** Instituto de Ciências Biomédicas Abel Salazar, University of Porto

**Graduation date:** 24-05-2019

### **Filipe Gaio de Castro Nery**

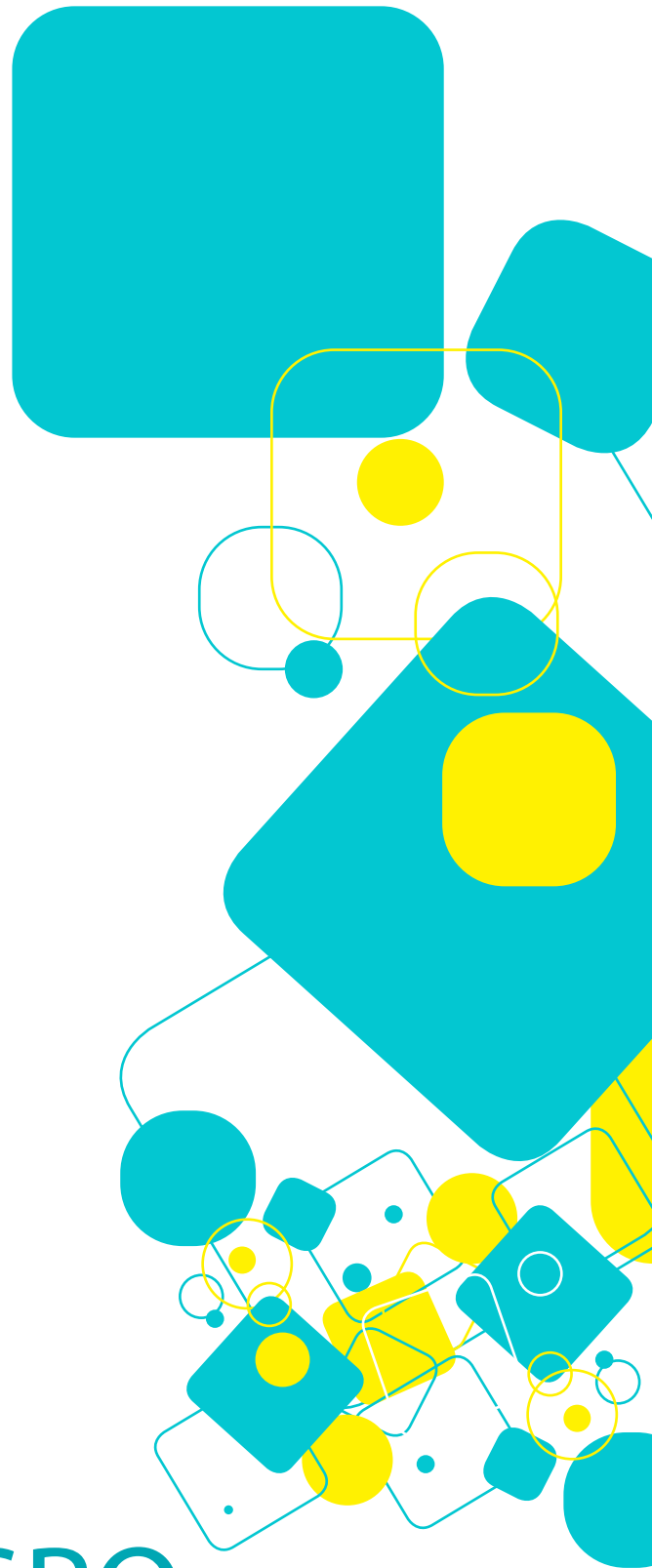
Medical doctor at the Department of Intensive Care

**Title:** *Risk factors for portal vein thrombosis development in patients with cirrhosis*

**Scientific field:** Medical Sciences

**Institution:** Instituto de Ciências Biomédicas Abel Salazar, University of Porto

**Graduation date:** 08-05-2019



# 5. SOLLARI ALLEGRO AWARDS

The Sollari Allegro Awards represent CHUP's stimulus for teaching, training, and research activities. In total, nine Sollari Allegro Awards were granted in 2019 to CHUP departments and authors of original articles deemed relevant to the institution.

## DEPARTMENTS WITH GREATER TEACHING, TRAINING, AND RESEARCH ACTIVITY

### AWARDS

Department of Neurophysiology, Neurosciences Division  
Medical Genetics Center

### HONORABLE MENTIONS

Department of Ophthalmology, Neurosciences Division  
Department of Food and Nutrition  
Department of Pediatrics, Childhood and Adolescence Division

## BEST PUBLISHED ARTICLES

### AWARDS

#### **Maria Teresa Pardal Monteiro Coelho. Department of Neurophysiology, Neurosciences Division**

Adams D, Gonzalez-Duarte A, O'Riordan WD, Yang CC, Ueda M, Kristen AV, Tournev I, Schmidt HH, Coelho T, Berk JL, Lin KP, Vita G, Attarian S, Planté-Bordeneuve V, Mezei MM, Campistol JM, Buades J, Brannagan TH 3rd, Kim BJ, Oh J, Parman Y, Sekijima Y, Hawkins PN, Solomon SD, Polydefkis M, Dyck PJ, Gandhi PJ, Goyal S, Chen J, Strahs AL, Nochur SV, Sweetser MT, Garg PP, Vaishnav AK, Gollob JA, Suhr OB. *Patisiran, an RNAi Therapeutic, for Hereditary Transthyretin Amyloidosis*. N Engl J Med. 2018 Jul 5;379(1):11-21.

#### **Margarida Maria de Carvalho Lima. Department of Clinical Hematology, Medicine Division**

Aires A, Teixeira MDA, Lau C, Moreira C, Spínola A, Mota A, Freitas I, Coutinho J, Lima M. *A pilot study on the usefulness of peripheral blood flow cytometry for the diagnosis of lower risk myelodysplastic syndromes: the "MDS thermometer"*. BMC Hematol. 2018 Mar 13;18:6.

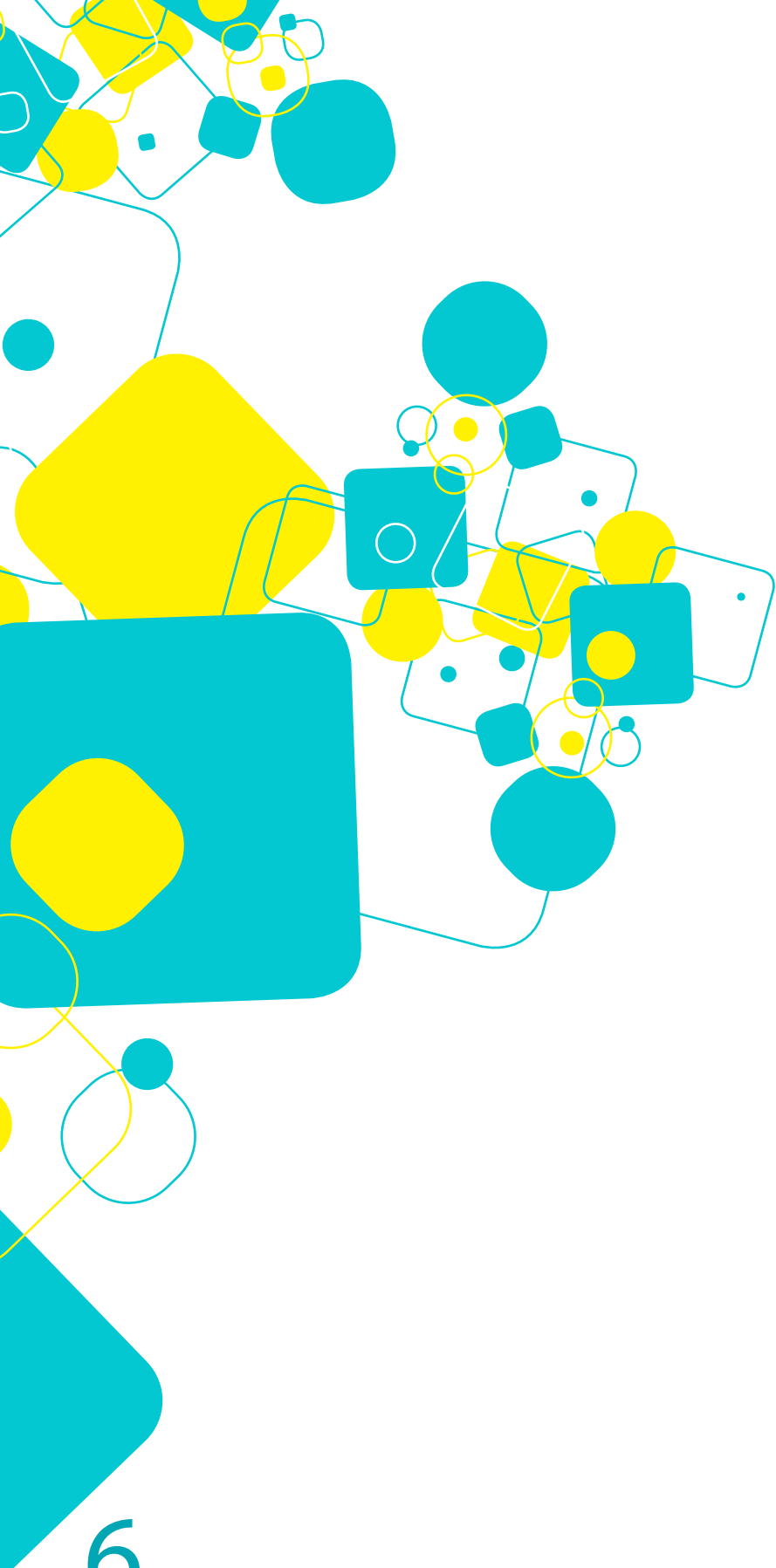
### HONORABLE MENTIONS

#### **Patrícia Fernandes Dias Madureira Rodrigues. Department of Cardiology, Medicine Division**

Rodrigues P, Santos-Ribeiro S, Teodoro T, Gomes FV, Leal I, Reis JP, Goff DC Jr, Gonçalves A, Lima JAC. *Association Between Alcohol Intake and Cardiac Remodeling*. J Am Coll Cardiol. 2018 Sep 25;72(13):1452-1462.

**Ricardo Pedro Ferreira Rodrigues Pinto. Department of Orthopedics, Orthophysiatry Division**

Rodrigues-Pinto R, Ward L, Humphreys M, Zeef LAH, Berry A, Hanley KP, Hanley N, Richardson SM, Hoyland JA. *Human notochordal cell transcriptome unveils potential regulators of cell function in the developing intervertebral disc*. Sci Rep. 2018 Aug 27;8(1):12866.



# 6. MERIT ACKNOWLEDGMENT

## CARE PERFORMANCE AND QUALITY AWARD

### INFARMED Good Practice Award in the Clinical Trials category

January 15, 2019

## RESEARCH AWARDS

This section highlights scientific work presented at national and international meetings that was internally or externally awarded after peer review.

## AWARDS FROM INTERNAL ENTITIES

### Manuel de Lemos – 2019

**Acknowledgment:** 1st prize

**Type of Work:** Scientific Article

**Title:** *Anterior Segment Optical Coherence Tomography Imaging of Conjunctival Filtering Blebs after Deep Sclerectomy and ExPRESS Implant*

**Authors:** Inês Carneiro, Nisa Silva, Ana Figueiredo, Rita Reis, Isabel Sampaio, Maria João Menéres

### Best Oral Presentation CMIN Summit'19

**Acknowledgement:** 1st prize

**Type of Work:** Oral Presentation

**Title:** *Continuous Subcutaneous insulin infusion soon after type 1 diabetes diagnosis in preschool children*

**Authors:** Líliliana Teixeira, Vera Gonçalves, Carla Rocha, Joana Freitas, Maria João Oliveira, Teresa Borges

### Best Oral Presentation CMIN Summit'19

**Acknowledgement:** Honorable Mention

**Type of Work:** Oral Presentation

**Title:** *Inpatient approach by palliative pediatric team in a tertiary hospital*

**Authors:** Carolina Fraga, Ana Losa, Beatriz Teixeira, Joana Lorenzo, Ana Ramos, Lurdes Morais

### Best Oral Presentation CMIN Summit'19

**Acknowledgement:** Honorable Mention

**Type of Work:** Oral Presentation

**Title:** *Behçet's Disease and Pregnancy*

**Authors:** Tânia Barros, António Braga, Jorge Braga

### Best Poster CMIN Summit'19

**Acknowledgement:** 1st prize – clinical case

**Type of Work:** Poster

**Title:** *A Case of HHH Syndrome – The Importance of Neurodevelopmental Assessment*

**Authors:** Joana Lorenzo, Joana Correia, Diana Gonzaga, Anabela Bandeira, Cristina Garrido, Dulce Quelhas, Ermelinda Silva, Esmeralda Martins

#### **Best Poster CMIN Summit'19**

**Acknowledgement:** 1st prize

**Type of Work:** Poster

**Title:** *Neurodevelopmental outcomes of children with periventricular leukomalacia: the role of infection*

**Authors:** Sara Leite, Joana Matos, Joana Grenha, Ana Cristina Braga, Ruben Rocha

#### **Best Oral Presentation CMIN Summit'19**

**Acknowledgement:** 1st prize – Pediatric Nephrology

**Type of Work:** Oral Presentation

**Title:** *Pre-natal Diagnosis of Urinary Tract Dilatation and postnatal outcomes*

**Authors:** S Rodrigues, A Mendes, L Rocha, P Matos

#### **Best Scientific Article published in NASCER E CRESCER - Birth and Growth Medical Journal in 2018**

**Entity:** NASCER E CRESCER - Birth and Growth Medical Journal

**Type of Work:** Scientific Article

**Title:** *Self-concept and disturbed eating behavior in a clinical population of adolescents with eating disorders*

**Authors:** David Moreira, Joana Saraiva

### **AWARDS FROM EXTERNAL ENTITIES**

#### **Clinical research - SPGH**

**Entity:** Portuguese Society of Human Genetics

**Acknowledgement:** Vencedor

**Type of Work:** Oral Presentation

**Title:** *Management of Patients with Low-penetrance copy number variants – do they all need to see a Clinical Geneticist?*

**Authors:** Ana Rita Soares, Simon Zwolinski, Ana Maria Fortuna, Miranda Splitt

#### **Best case series**

**Acknowledgment:** Best poster

**Type of Work:** Poster at the XI Monothematic Course on Diabetes in the 21st Century

**Title:** *Caracterização molecular de doentes com MODY do Centro Hospitalar Universitário do Porto*

**Authors:** Francisco Laranjeira, Isaura Ribeiro, Joana Vilaverde, André Carvalho Eugénia Pinto, Sofia Teixeira, Maria João Oliveira, Maria Teresa Pereira, Sónia Rocha, Rui Carvalho, Ana Rita Soares

#### **Juvenal Esteves Fellowship 2019**

**Entity:** Portuguese Society of Dermatology and Venereology

**Acknowledgement:** Fellowship

**Type of Work:** Project in Psoriasis and Atopic Dermatitis

**Title:** *Fatores Epigenéticos como Biomarcadores de Resposta à Terapêutica na Psoríase*

**Authors:** Tiago Torres, Alexandra Rodrigues, Manuela Selores

#### **SPDV/SANOFI-GENZYME Fellowship**

**Entity:** Portuguese Society of Dermatology and Venereology / SANOFI-GENZYME

**Acknowledgement:** Fellowship

**Type of Work:** Project in Psoriasis and Atopic Dermatitis

**Title:** *Fatores Inflamação Sistémica na Dermatite Atópica – associação com fatores Genéticos e Epigenéticos*

**Authors:** Tiago Torres, Bárbara Guerra, Paulo Pinho Costa, Manuela Selores

**SPDV/SANOFI-GENZYME Fellowship**

**Entity:** Portuguese Society of Dermatology and Venereology / SANOFI-GENZYME

**Acknowledgement:** Fellowship

**Type of Work:** Project in Psoriasis and Atopic Dermatitis

**Title:** *Dermatite atópica – prevalência de MRSA e associação com perda de água transepidérmica*

**Authors:** Manuela Selores, Alexandra Rodrigues, Susana Machado

**Silva Araújo Award**

**Entity:** Organizing Committee of the XXXII Jornadas de Terapêutica

**Acknowledgement:** 1st prize

**Type of Work:** Oral Presentation

**Title:** *Symptomatic control and therapeutic aggressiveness in the emergency department towards patients with palliative care needs: a retrospective study*

**Authors:** Raquel Oliveira, Carolina B Lobato, Leonardo Maia, Mariana Santos, Sara Neves, Maria Francisca Matos, Rosa Cardoso, Carla Cruz, Cátia Araújo Silva, Joana Dias, André Maças, Soraia Almeida, António Gonçalves, Bárbara Gomes, Elga Freire

**Best Work in Hemodialysis of the Portuguese Society of Nephrology**

**Entity:** Portuguese Society of Nephrology

**Acknowledgement:** Best work

**Type of Work:** Scientific Article

**Title:** *WAK and WUF Vascular Access – Future directions*

**Authors:** Ana Castro, Mauro Neri, Akash Nayak Karopadi, Anna Lorenzin, Nicola Marchionna, Cláudio Ronco

**Best Oral Presentation - Anemia and Kidney Disease Symposium**

**Entity:** Portuguese Society of Nephrology and Anemia Working Group Portugal

**Acknowledgement:** Best presentation

**Type of Work:** Oral Presentation

**Title:** *Macrophage activation syndrome in a patient with systemic erythematous lupus –A life-threatening differential diagnosis that should not be missed*

**Authors:** Joana Tavares

**Orlando Leitão SPN/Biogen Award**

**Entity:** Portuguese Society of Neurology / Biogen

**Acknowledgement:** Best presentation

**Type of Work:** Oral presentation

**Title:** *Doença do Espectro da Neuromielite Óptica: Registo Multicêntrico Nacional*

**Authors:** Ernestina Santos

**Best scientific work on Ophthalmology Innovations - NOW Congress**

**Entity:** Portuguese Society of Ophthalmology

**Acknowledgement:** Best presentation

**Type of Work:** Oral Presentation

**Title:** *Stippling only - novo Paradigma no tratamento da distrofia endotelial de Fuchs*

**Authors:** Luísa Malheiro, João Coelho, Pedro Batista, Miguel Neves, Miguel Gomes, Luís Oliveira

#### **4th Best Poster**

**Entity:** 4th GER Scientific Meeting

**Acknowledgement:** Winner

**Type of Work:** Poster

**Title:** *Optical Coherence Tomography (SD-OCT and OCTA) Findings in Early-Stage Type 3 Neovascularization*

**Authors:** Nisa Silva, Ana Marta, Pedro Baptista, Maria João Furtado, Miguel Lume

#### **Best surgical video Alcon**

**Entity:** Alcon

**Acknowledgement:** Winner

**Type of Work:** Video

**Title:** *Spider amyloid*

**Authors:** Natália Ferreira, Rui Carvalho

#### **Best Photo**

**Entity:** Portuguese Retina and Vitreous Group Meeting 2019

**Acknowledgement:** Honorable Mention

**Type of Work:** Photography

**Title:** *A bone to pick*

**Authors:** Ana Marta, Maria João Furtado, Vasco Miranda, Natália Ferreira

#### **Best Poster**

**Entity:** Portuguese Society of Ophthalmology - Autumn meeting

**Acknowledgement:** Winner

**Type of Work:** Poster

**Title:** *Rickettsiose ocular*

**Authors:** Ana Marta, Inês Carneiro, Nisa Silva, Isabel Furtado, Maria João Gonçalves, Vânia Lages, Mafalda Macedo, Maria João Furtado

#### **Best Poster**

**Entity:** XXXIII International Ophthalmology Days

**Acknowledgement:** Winner

**Type of Work:** Poster

**Title:** *Kyrieleis Plaques in an Immunocompromised Host with Toxoplasmosis Choriretinitis*

**Authors:** Nisa Silva, Inês Carneiro, Vânia Lages, Ana Carolina Abreu, Miguel Lume, Maria João Furtado

#### **Best Oral Communication at the 15th SPDM International Symposium**

**Entity:** Portuguese Society of Metabolic Disorders

**Acknowledgement:** Winner

**Type of Work:** Oral Presentation

**Title:** *The diagnostic paradigm shift: mitochondria are to be innocent until proven guilty*

**Authors:** Margarida Paiva Coelho, Ana Rita Soares, Maria Abreu, Anabela Bandeira, Gabriela Soares, Manuela Santos, Ana Fortuna, Esmeralda Martins

#### **Finalist Award at the 6th Mediterranean Maudsley Forum – Palermo Poster**

**Entity:** Institute of Psychiatry of King's College London

**Acknowledgement:** Winner

**Type of Work:** Poster

**Title:** *Frontal Lobe Epilepsy: Interface between Neurology and Psychiatry*

**Authors:** Filipa Martins Silva, Inês Carrilho

**Best Work**

**Entity:** Pediatric Endocrinology and Diabetology Society

**Acknowledgement:** Winner

**Type of Work:** Oral Presentation

**Title:** *Tratamento de substituição com metreleptina em crianças com lipodistrofia generalizada*

**Authors:** Vera Gonçalves, Liliana Teixeira, Joana Freitas, Maria João Oliveira, Teresa Borges, Ermelinda Santos Silva

**Pfizer Vaccines Fellowships – Training/Research Fellowships for Pediatric Interns and Young Pediatricians**

**Entity:** Pfizer and Portuguese Society of Pediatrics

**Acknowledgement:** Winner

**Type of Work:** Scientific Work

**Title:** *The kidney and respiratory chain disorders- a metabolomics approach*

**Authors:** Margarida Paiva Coelho

**Pierre-Fabre/PSP support for travel to present pediatric studies at international congresses outside Portugal and for articles published in 2018**

**Entity:** Pierre-Fabre and Portuguese Society of Pediatrics

**Acknowledgement:** Winner

**Type of Work:** Scientific Work

**Title:** *Overcoming the Challenge: home care for children with bulbar dysfunction and invasive ventilation*

**Authors:** Sara Mosca, Ana Lúcia Cardoso, Ana Cristina Freitas, Ana Tinoco, Lurdes Morais

**Pfizer Vaccines/PSP Fellowships for pediatric interns for work presented at the National Congress of Pediatrics: Best studies in various areas of Pediatrics**

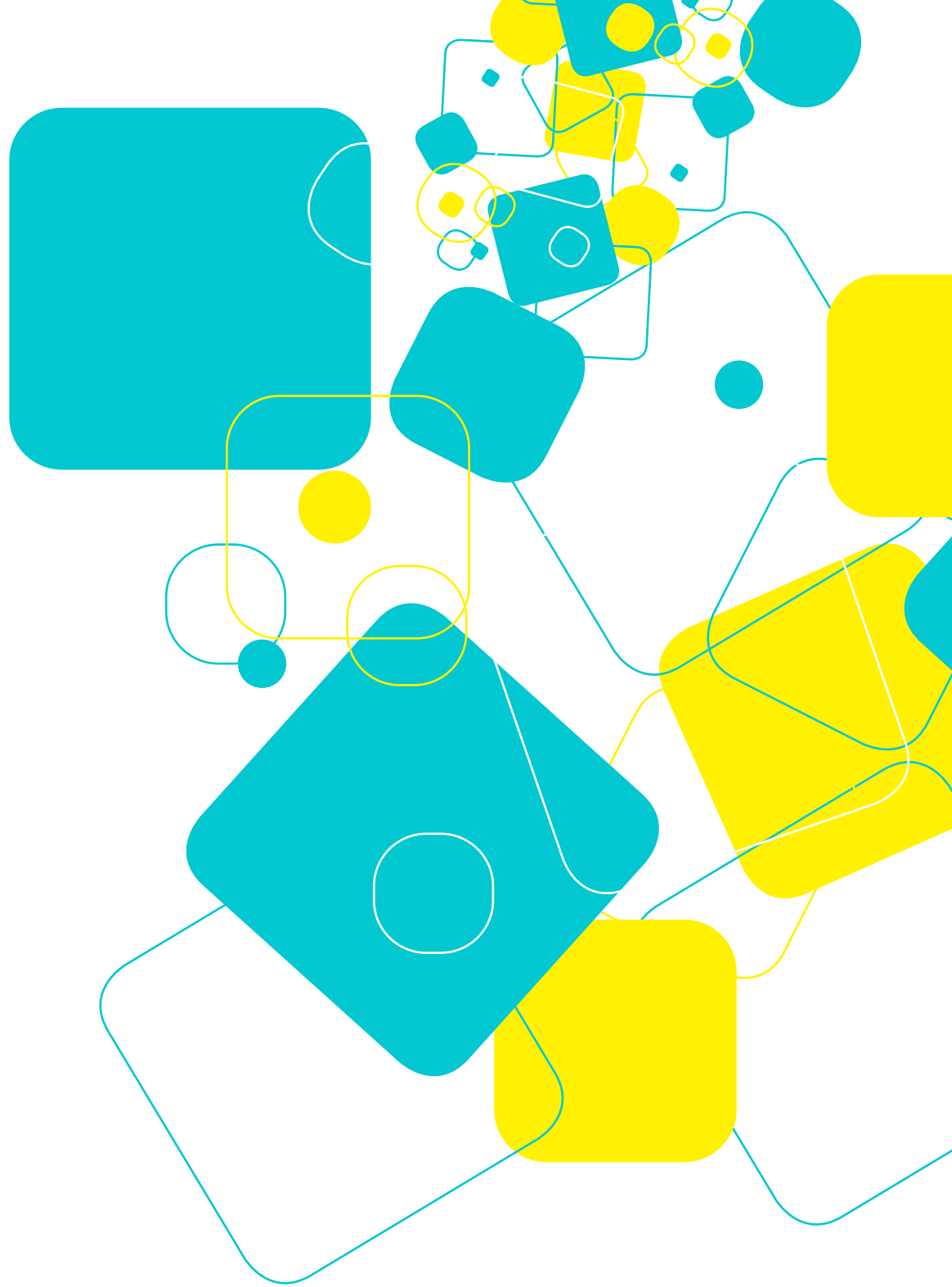
**Entity:** Pfizer and Portuguese Society of Pediatrics

**Acknowledgement:** Winner

**Type of Work:** Scientific Work

**Title:** *Ritmidade cardiovascular em crianças obesas*

**Authors:** Catarina Pinto-Silva, Ana Correia-Costa, Cláudia Moura, Cláudia Mota, António Guerra, José Carlos Areias, Alberto Caldas Afonso, Ana Azevedo, Liane Correia-Costa



# 7. RESEARCH GRANTS GRANTED BY CHUP

Research at CHUP is stimulated each year through intramural grants. With the aim of identifying and promoting promising scientific initiatives of value, the Grants and Awards Committee of CHUP reviews basic, clinical, and translational research projects submitted by research teams and groups from the Hospital Center, as well as Ph.D. projects of its professionals. Here are those that received financial support in 2019.

## FUNDING OF RESEARCH PROJECTS

**Ricardo Jorge Ferreira Taipa, Department of Neurology, Neuropathology Unit, Neurosciences Division**

Microglial activation patterns in the amygdala of neurodegenerative diseases

**Luís Filipe Maia, Department of Neurology, Neurosciences Division**

Perfil proteico do trombo: uma janela para a prevenção secundária do AVC

**Ana Raquel Fonseca Samões, Department of Neurology, Neurosciences Division**

Dieta de Atkins modificada no tratamento de doentes adultos com epilepsia refratária – estudo observacional prospetivo unicêntrico

## FUNDING OF ACADEMIC WORK INTEGRATED INTO DOCTORAL THESES

**Pedro Nuno Brandão Gonçalves, Department of General Surgery, Surgery Division**

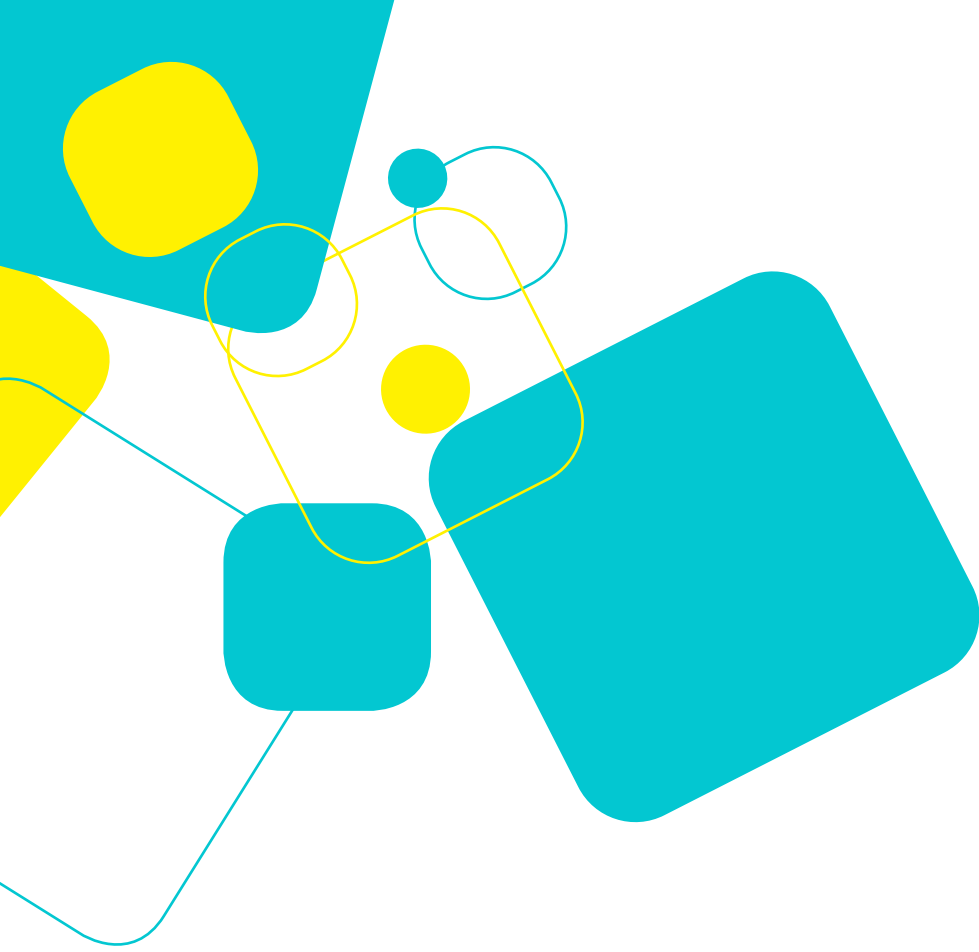
Metabolic alterations in rectal cancer: How it influences aggressiveness, response to treatment and prognosis

**Carla Sofia Cavaleiro Rodrigues, Department of Anesthesiology, Anesthesiology, Intensive Care, and Emergency Division**

Intravenous lidocaine as an immunoendocrine modulator agent upon laryngoscopy, tracheal intubation and surgical injury

**Sónia Macedo Martins Duarte, Department of Anesthesiology, Anesthesiology, Intensive Care, and Emergency Division**

Emergence delirium and behavioral changes after pediatric ambulatory surgery, risk factors and predictive model



8.

# RESEARCH FELLOW GROUP

Fundação para a Ciência e Tecnologia (FCT) endorsed CHUP as a host institution for research fellows. The Research Fellow Group is based at DEFI and is supported by CHUP's Research and Development Fund. The R&D fellows have carried out projects in the following areas:

## **EDUCATION, TRAINING, AND RESEARCH DIVISION**

### **Department of Clinical Research**

Ana Sofia Teixeira Esteves  
Andreia Sofia Rio Padrão  
Cristiana Fontoura Matias  
João Nuno Rodrigues Azevedo  
Rui Pedro Moreira Pinto de Matos

## **MEDICINE DIVISION**

### **Department of Clinical Hematology**

Catarina Isabel Loureiro Monteiro

### **Clinical Immunology Unit**

Ana Isabel Granja Tavares

## **Neurosciences Division**

### **Department of Neurology/Neuroimmunology**

#### **Corino de Andrade Unit**

João Anselmo Ribeiro Felgueiras  
Maria Carmo Sousa Cardoso Vilas-Boas Olazabal  
Maria José Gomes Pedroto  
Soraia Fonseca Pires da Igreja

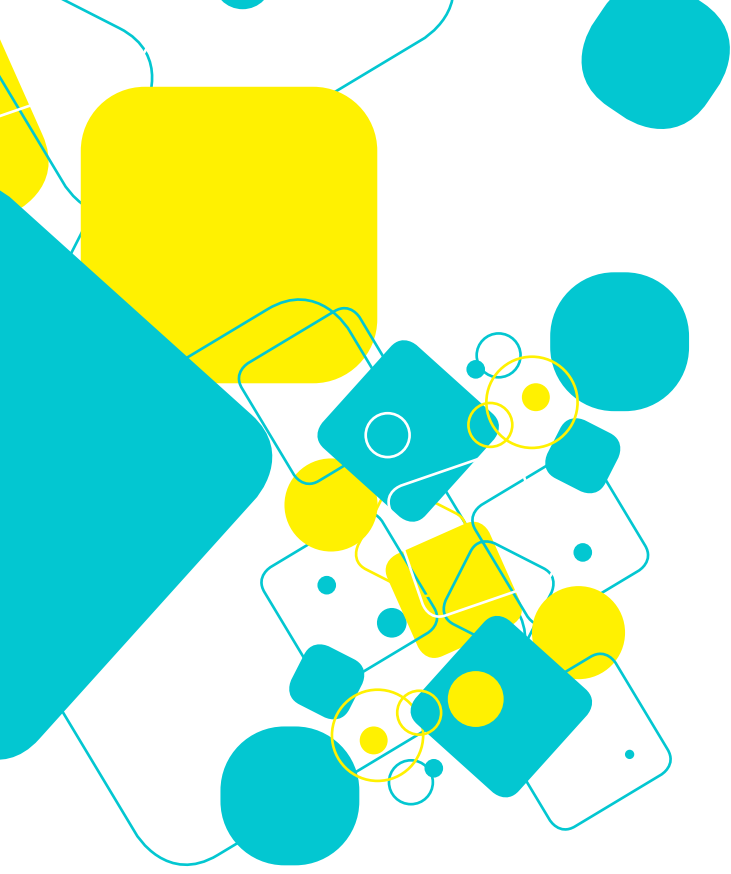
### **Neuropathology Unit**

Miguel João Mendonça Pinto

## **PHARMACEUTICAL SERVICES**

### **Clinical Trials Functional Unit**

Ana Carolina Pinto Sampaio



# 9. SCIENTIFIC AND TECHNOLOGICAL POTENTIAL

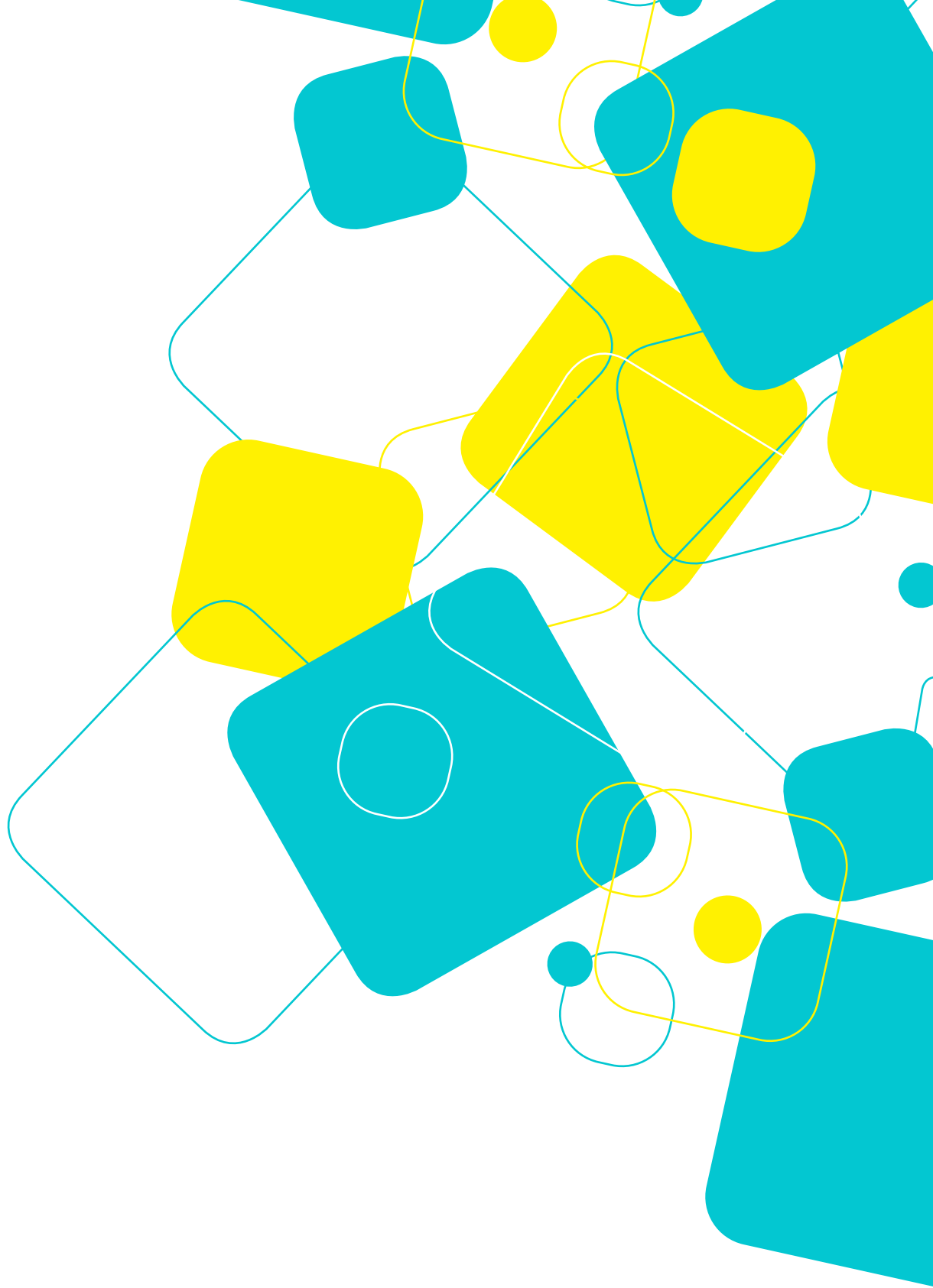
The official national R&D statistics are derived from the National Scientific and Technological Potential Survey (IPCTN) applied to Companies, State, Higher Education, and IPSFL. IPCTN is the tool used to estimate human resources and R&D expenditure according to the criteria agreed at European level by EUROSTAT in coordination with the OECD. The importance of this survey for the recognition of Portuguese institutions at the international level is recognized. The table shows the sustained positive evolution of clinical research at CHUP.

#### Evolution of IPCTN indicators at CHUP from 2016 to 2018

CHUP IPCTN	2016	2017	2018
No. of units surveyed	62	60	60
No. of units with R&D activities (n, %)	41 (66%)	41 (68%)	42 (70%)
No. of professionals	593	616	626
No. of investigators (FTE)	75,5	83,2	85,9
Average time allocated to R&D activities (%)	15,00%	15,00%	17,00%
Intramural expenditure (€)	8.171.072 €	8,892,000 €	8,985,000 €

(FTE) – Full-time equivalent

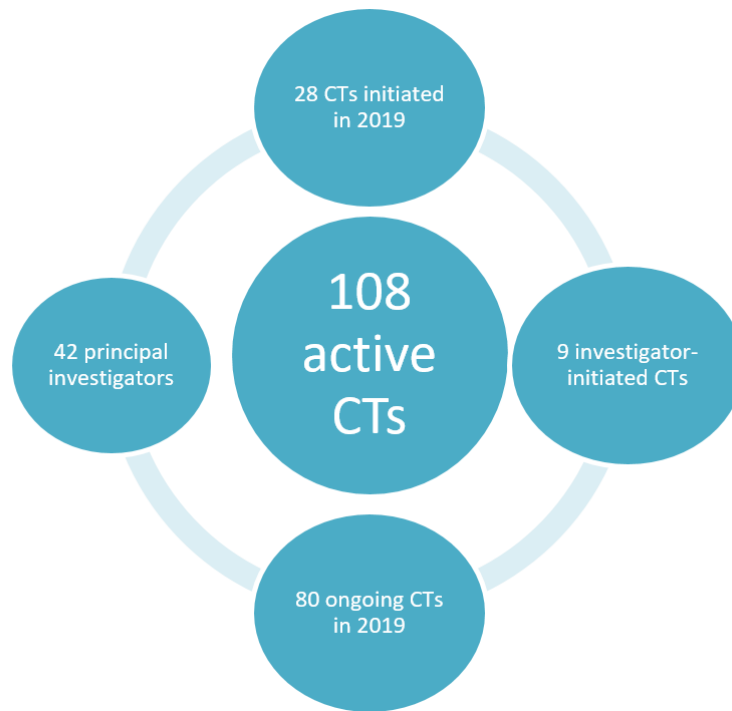
Sources: DGEEC/MEC



# 10. RESEARCH STUDIES

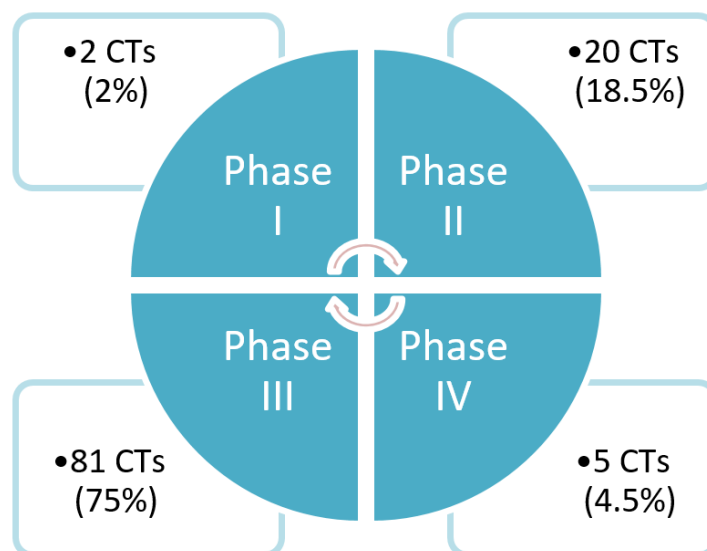
In 2019, 108 clinical trials (CTs) were active at CHUP, 28 of which were approved and initiated during the year. Most were sponsored by the pharmaceutical industry, and nine were investigator-initiated. A total of 42 principal investigators were involved in the ongoing trials (**Figure 3**).

Forty-two post-market authorization observational studies and four medical device studies were active.



**Figure 3** - Clinical trials active at CHUP in 2019

Phase I-IV clinical trials were conducted at CHUP. The majority (75%) were phase III trials (**Figure 4**).



**Figure 4** - Distribution of clinical trials across the four clinical trial phases

Herein are presented the clinical trials, observational studies, and medical device studies that were ongoing or completed in 2019.

## CLINICAL TRIALS

PRINCIPAL INVESTIGATOR	TITLE	PHASE	EUDRACT	SPONSOR
<b>AMYLOIDOSIS   CORINO DE ANDRADE UNIT</b>				
Ana Martins da Silva	A Phase 1, Open-label, Dose Escalation Study of Intravenous PRX004 in Subjects With Amyloid Transthyretin (ATTR) Amyloidosis	I	2017-003521-15	Prothena Biosciences
Teresa Coelho	An Open-Label Extension Study to Assess the Long-Term Safety and Efficacy of ISIS 420915 in Patients With Familial Amyloid Polyneuropathy (FAP)	III	2013-004561-13	Isis
Teresa Coelho	A Multicenter, Open-Label, Extension Study to Evaluate the Long-term Safety and Efficacy of Patisiran in Patients With Familial Amyloidotic Polyneuropathy Who Have Completed a Prior Patisiran Clinical Study	III	2014-003877-40	Anylam Pharmaceuticals, Inc.
Teresa Coelho	An Open-label Study to Evaluate Safety, Efficacy and Pharmacokinetics (PK) of Patisiran-LNP in Patients With Hereditary Transthyretin-mediated Amyloidosis (hATTR Amyloidosis) With Disease Progression Post-Orthotopic Liver Transplant	III	2018-003519-24	Anylam Pharmaceuticals, Inc.
Teresa Coelho	HELIOS-A: A Phase 3 Global, Randomized, Open-label Study to Evaluate the Efficacy and Safety of ALN-TTRSC02 in Patients With Hereditary Transthyretin Amyloidosis (hATTR Amyloidosis)	III	2018-002098-23	Anylam Pharmaceuticals, Inc.
Teresa Coelho	A Phase 3, Randomized, Double-Blind, Placebo-Controlled Study of the Efficacy and Safety of AG10 in Subjects With Symptomatic Transthyretin Amyloid Cardiomyopathy	III	2018-004280-32	Eidos Therapeutics, Inc.
<b>CARDIOLOGY</b>				
Mário Santos	A Randomized, Double-blind, Placebo-controlled, Parallel-group, Multicenter Study to Evaluate the Effects of Sotagliflozin on Clinical Outcomes in Hemodynamically Stable Patients With Type 2 Diabetes POST Worsening Heart Failure	III	2017-003510-16	Sanofi

VASCULAR SURGERY				
Rui Almeida	An International, Multicenter, Randomized, Double-blind, Placebo-controlled Phase 3 Trial Investigating the Efficacy and Safety of Rivaroxaban to Reduce the Risk of Major Thrombotic Vascular Events in Patients With Symptomatic Peripheral Artery Disease Undergoing Lower Extremity Revascularization Procedures Actual Study Start Date Z: August 18, 2015	III	2014-005569-58	Bayer
INTENSIVE CARE				
Fernando Rua	Effects of Plasma Exchange With Human Serum Albumin 5% (PE-A 5%) on Short-term Survival in Subjects With "Acute-On-Chronic Liver Failure" (ACLF) at High Risk of Hospital Mortality	III	2016-001787-10	Grifols
NEONATAL AND PEDIATRIC INTENSIVE CARE				
Elisa Proença	A Phase 2b, Multicenter, Randomized, Open-label, Controlled, 3-Arm Study to Evaluate the Clinical Efficacy and Safety of SHP607 in Preventing Chronic Lung Disease Through 12 Months Corrected Age Compared to Standard Neonatal Care in Extremely Premature Infants	II	2018-001393-16	Shire Inc
DERMATOLOGY				
Inês Lobo	A Randomized, Double-blind, Multi-center Study Assessing Short (16 Weeks) and Long-term Efficacy (up to 1 Year), Safety, and Tolerability of 2 Subcutaneous Secukinumab Dose Regimens in Adult Patients With Moderate to Severe Hidradenitis Suppurativa	III	2018-002063-26	Novartis
Tiago Torres	A Multicenter, Open Label Study to Assess the Safety and Efficacy of Risankizumab for Maintenance in Moderate to Severe Plaque Type Psoriasis	III	2016-003046-87	Abbvie
Tiago Torres	A Phase 3 Randomized, Placebo-Controlled, Double-Blind Study to Evaluate Upadacitinib in Adolescent and Adult Subjects With Moderate to Severe Atopic Dermatitis	III	2018-001383-28	Abbvie
ENDOCRINOLOGY				
Helena Cardoso	A Randomized, Double-blind, Placebo-controlled, Parallel-group, Multicenter Study to Demonstrate the Effects of Sotagliflozin on Cardiovascular and Renal Events in Patients With Type 2 Diabetes, Cardiovascular Risk Factors and Moderately Impaired Renal Function	III	2017-002644-32	Sanofi
Helena Cardoso	Effect and Safety of Semaglutide 2.4 mg Once-weekly in Subjects With Overweight or Obesity Who Have Reached Target Dose During run-in Period	III	2017-003473-34	NovoNordisk

Rui Carvalho	A Randomized, Double-blind, Placebo-controlled, Parallel-group, Multicenter, Event-driven Phase 3 Study to Investigate Efficacy and Safety of Finerenone on the Reduction of Cardiovascular Morbidity and Mortality in Subjects With Type 2 Diabetes Mellitus and the Clinical Diagnosis of Diabetic Kidney Disease in Addition to Standard of Care	III	2015-000950-39	Bayer
<b>GASTROENTEROLOGY</b>				
José Manuel Ferreira	A Phase 3, Double-Blind, Randomized, Long-Term, Placebo-Controlled, Multicenter Study Evaluating the Safety and Efficacy of Obeticholic Acid in Subjects With Nonalcoholic Steatohepatitis	III	2015-002560-16	Intercept Pharmaceuticals, Inc
Paula Lago	Study of Treat to Target Versus Routine Care Maintenance Strategies in Crohn's Disease Patients Treated With Ustekinumab	III	2016-002918-43	Janssen
<b>GYNECOLOGY</b>				
Hélder Ferreira	An International Phase 3 Randomized, Double-Blind, Placebo-Controlled Efficacy and Safety Study to Evaluate Relugolix Administered With and Without Low-Dose Estradiol and Norethindrone Acetate in Women With Endometriosis-Associated Pain	III	2017-001588-19	Myovant Sciences GmbH
Hélder Ferreira	An International Phase 3 Open-Label, Single-Arm, Safety and Efficacy Extension Study to Evaluate Relugolix Co-Administered With Low-Dose Estradiol and Norethindrone Acetate in Women With Endometriosis-Associated Pain	III	2017-004066-10	Myovant Sciences GmbH
<b>HEMATOLOGY</b>				
Cristina Gonçalves	Phase 3 Randomized, Double-Blind, Placebo Controlled, Multicenter Study to Compare the Efficacy and Safety of Lenalidomide (CC-5013) Plus R-CHOP Chemotherapy (R2-CHOP) Versus Placebo Plus R-CHOP Chemotherapy in Subjects With Previously Untreated Activated B-cell Type Diffuse Large B-cell Lymphoma	III	2013-004054-21	Celgene
Cristina Gonçalves	A Phase 3, Randomised, Parallel-Group, Active-Controlled, Double-Blind Study to Demonstrate Equivalence of Pharmacokinetics and Noninferiority of Efficacy for CT-P10 in Comparison With Rituxan, Each Administered in Combination With Cyclophosphamide, Vincristine, and Prednisone (CVP) in Patients With Advanced Follicular Lymphoma	II	2013-004493-96	Celltrion
Cristina Gonçalves	A Multicenter, Single-arm, Open-label Study With Pomalidomide in Combination With Low Dose Dexamethasone in Subjects With Refractory or Relapsed and Refractory Multiple Myeloma	III	2012-001888-78	Celgene

Cristina Gonçalves	A Phase 3, Multicenter, Randomized, Open-Label Study to Compare the Efficacy and Safety of Pomalidomide, Bortezomib and Low-Dose Dexamethasone Versus Bortezomib and Low-Dose Dexamethasone in Subjects With Relapsed or Refractory Multiple Myeloma	III	2014-000268-17	Celgene
Eugénia Cruz	A Phase 3, Open-label, Randomized, Multi-center, Controlled Trial to Evaluate the Pharmacokinetics and Pharmacodynamics of Edoxaban and to Compare the Efficacy and Safety of Edoxaban With Standard of Care Anticoagulant Therapy in Pediatric Subjects From Birth to Less Than 18 Years of Age With Confirmed Venous Thromboembolism (VTE)	III	2016-000991-49	Daiichi-Sankyo
Jorge Coutinho	A Phase III, Randomized, Double-blind, Placebo-controlled Study Evaluating the Efficacy and Safety of Copanlisib in Combination With Rituximab in Patients With Relapsed Indolent B-cell Non-Hodgkin's Lymphoma (iNHL)	III	2013-003898-29	Bayer
Jorge Coutinho	A Prospective, Randomized, Open Label, Two Arm Phase III Study to Evaluate Treatment Free Remission (TFR) Rate in Patients With Philadelphia-positive CML After Two Different Durations of Consolidation Treatment With Nilotinib 300mg BID	III	2012-005124-15	Novartis
Jorge Coutinho	A Randomized, Controlled, Double-Blind Phase III Trial to Compare the Efficacy, Safety and Pharmacokinetics of GP2013 vs. MabThera® in Patients With Previously Untreated, Advanced Stage Follicular Lymphoma	III	2010-019522-13	Sandoz
Jorge Coutinho	A Phase 4, Open-label, Single-Arm Study of Brentuximab Vedotin in Patients With Relapsed or Refractory Systemic Anaplastic Large Cell Lymphoma	IV	2012-004128-39	Millennium Pharmaceuticals
Jorge Coutinho	A Phase 3, Double-Blind, Placebo-controlled Study of Quizartinib Administered in Combination With Induction and Consolidation Chemotherapy, and Administered as Continuation Therapy in Subjects 18 to 75 Years Old With Newly Diagnosed FLT3-ITD (+) Acute Myeloid Leukemia	III	2015-004856-24	Daiichi-Sankyo
Jorge Coutinho	A Phase 2/3, Randomised, Multicentre Study of MOR208 With Bendamustine Versus Rituximab With Bendamustine in Patients With Relapsed or Refractory Diffuse Large B-Cell Lymphoma (R-R DLBCL) Who Are Not Eligible for High-Dose Chemotherapy (HDC) and Autologous Stem-Cell Transplantation (ASCT)	II	2014-004689-11	Morphosis
Jorge Coutinho	A Phase III, Randomized, Double-blind, Controlled Multicenter Study of Intravenous PI3K Inhibitor Copanlisib in Combination With Standard Immunochemotherapy Versus Standard Immunochemotherapy in Patients With Relapsed Indolent Non-Hodgkin's Lymphoma (iNHL)	III	2015-001088-38	Bayer

Jorge Coutinho	A Multicenter, Randomized, Double-blind, Placebo-controlled Phase 3 Study of the Bruton's Tyrosine Kinase (BTK) Inhibitor, Ibrutinib, in Combination With Rituximab Versus Placebo in Combination With Rituximab in Treatment Naïve Subjects With Follicular Lymphoma	III	2016-003202-14	Pharmacyclics
Sara Morais	A Phase 3 Study to Evaluate the Efficacy and Safety of Fitusiran in Patients With Hemophilia A or B, With Inhibitory Antibodies to Factor VIII or IX	III	2016-001463-36	Alnylam Pharmaceuticals, Inc.
Sara Morais	A Phase 3 Study to Evaluate the Efficacy and Safety of Fitusiran in Patients With Hemophilia A or B, Without Inhibitory Antibodies to Factor VIII or IX	III	2016-001464-11	Alnylam Pharmaceuticals, Inc.
<b>INFECTIOUS DISEASES</b>				
Rui Sarmiento e Castro	A Phase III, Randomised, Double Blind, Multicentre, Parallel Group, Non Inferiority Study Evaluating the Efficacy, Safety, and Tolerability of Dolutegravir Plus Lamivudine Compared to Dolutegravir Plus Tenofovir/ Emtricitabine in Human Immunodeficiency Virus 1 Infected Treatment naïve Adults	III	2015-004418-95	Glaxo Smith Kline
<b>MEDICINE</b>				
Abílio Reis	An open label, multicentre study to evaluate pharmacokinetics, safety and efficacy of zamicastat as adjunctive therapy in pulmonary arterial hypertension (PAH)	II	2018-002448-10	Bial
Abílio Reis	A Multicenter, Randomized, Double-blind, Placebo-controlled, Parallel-group, Group-sequential, Adaptive, Phase 3 Study With Open-label Extension Period to Assess the Efficacy and Safety of Selexipag as an add-on to Standard of Care Therapy in Subjects With Inoperable or Persistent/Recurrent After Surgical and/or Interventional Treatment Chronic Thromboembolic Pulmonary Hypertension	III	2018-002823-41	Janssen
Abílio Reis	A Multi-center, Double-blind, Placebo-controlled Phase 4 Study in Patients With Pulmonary Arterial Hypertension to Assess the Effect of Selexipag on Daily Life Physical Activity and Patient's Self-reported Symptoms and Their Impacts	IV	2017-000216-42	Actelion
Fabienne Gonçalves	Home Treatment of Patients with Low-Risk Pulmonary Embolism with the Oral Factor Xa Inhibitor Rivaroxaban: Prospective Management Trial	III	2013-001657-28 †	University Medical Center of the Johannes Gutenberg-University Mainz

Irene Marques	A Randomized Parallel-group, Placebo-controlled, Double-blind, Multi-center Trial to Evaluate the Efficacy and Safety of the Oral sGC stimulator Vericiguat to Improve Physical Functioning in Activities of Daily Living in Patients With Heart Failure and Preserved Ejection Fraction	II	2018-000298-65	Bayer
Irene Marques	A 24-week, Randomized, Double-blind, Multi-center, Parallel Group, Active Controlled Study to Evaluate the Effect of LCZ696 on NT-proBNP, Exercise Capacity, Symptoms and Safety Compared to Individualized Medical Management of Comorbidities in Patients With Heart Failure and Preserved Ejection Fraction	III	2016-003410-28	Novartis
Irene Marques	A Multicenter, Randomized, Parallel Group, Double Blind, Active and Placebo Controlled Study of BAY1753011, a Dual V1a/V2 Vasopressin Receptor Antagonist, in Patients With Congestive Heart Failure	II	2018-004059-18	Bayer
João Neves	A Double-blind, Placebo-controlled, Multi-centre, Clinical Trial to Investigate the Efficacy and Safety of 12 Months of Therapy With Inhaled Colistimethate Sodium in the Treatment of Subjects With Non-cystic Fibrosis Bronchiectasis Chronically Infected With Pseudomonas Aeruginosa	III	2015-2743-33	Zanbom
<b>NEPHROLOGY</b>				
Idalina Beirão	A Randomized, Double-blind, Placebo-controlled, Parallel-group, Multicenter, Event-driven Phase 3 Study to Investigate the Safety and Efficacy of Finerenone, in Addition to Standard of Care, on the Progression of Kidney Disease in Subjects With Type 2 Diabetes Mellitus and the Clinical Diagnosis of Diabetic Kidney Disease	III	2015-000990-11	Bayer
Maria La Salette Martins	Randomised, Double-blind, Placebo-controlled (Within Dose Groups) and Active Controlled (Eplerenone Group) Trial to Investigate the Safety, Tolerability, Pharmacokinetics and Pharmacodynamics of 3 Oral Doses of BI 690517 Over 28 Days in Female and Male Patients With Diabetic Nephropathy	I	2017-000563-32	Boehringer Ingelheim
Sofia Santos	A Phase 3b, Randomized, Double-blind, Placebo-controlled Study to Evaluate the Efficacy and Safety of TRC101 in Delaying Chronic Kidney Disease Progression in Subjects With Metabolic Acidosis	III	2018-001303-36	TRICIDA
<b>NEUROLOGY</b>				
Ana Martins da Silva	Multicenter, Randomized, Double-blind, Parallel-group, Active-controlled, Superiority Study to Compare the Efficacy and Safety of Ponesimod to Teriflunomide in Subjects With Relapsing Multiple Sclerosis	III	2012-000540-10	Actelion

Ana Martins da Silva	A Multicenter, Randomized, Double-blind, Parallel-group, Placebo-controlled Variable Treatment Duration Study Evaluating the Efficacy and Safety of Siponimod (BAF312) in Patients With Secondary Progressive Multiple Sclerosis Followed by Extended Treatment With Open-label BAF312	III	2012-003056-36	Novartis
Ana Martins da Silva	A Multicenter, Open-Label Study Evaluating the Effectiveness of Oral Tecfidera™ (Dimethyl Fumarate) on MS Disease Activity and Patient-Reported Outcomes in Subjects With Relapsing-Remitting Multiple Sclerosis in the Real-World Setting	III	2013-001656-35	Biogen
Ana Martins da Silva	A Randomized, Double-blind, Double-dummy, Parallel-group Study Comparing the Efficacy and Safety of Ofatumumab Versus Teriflunomide in Patients With Relapsing Multiple Sclerosis	III	2015-005419-33	Novartis
Ana Martins da Silva	Open-label, Randomized, 2-arm, Active Comparator Study to Evaluate Safety and Tolerability in Portuguese Patients With Relapsing Remitting Multiple Sclerosis (MS) Transitioning From Current Subcutaneous Interferon Therapy to Peginterferon Beta 1a (PLEGRIDY™)	IV	2016-000434-21	Biogen
Ana Martins da Silva	An Open-Label, Single-Arm Study to Evaluate the Effectiveness and Safety of Ocrelizumab in Patients With Early Stage Relapsing Remitting Multiple Sclerosis	III	2016-002937-31	Roche
Ana Martins da Silva	Multicenter, Non-comparative Extension to Study AC-058B301, to Investigate the Long-term Safety, Tolerability, and Control of Disease of Ponesimod 20 mg in Subjects With Relapsing Multiple Sclerosis	III	2016-004719-10	Actelion
Ana Martins da Silva	A 2-Year Prospective Study to Assess Health-related Quality of Life In Subjects With Highly-Active Relapsing Multiple Sclerosis Treated With Mavenclad®	II	2017-002632-17	Merck
Ana Martins da Silva	An Open-label, Single Arm, Multi-center Extension Study Evaluating Long-term Safety, Tolerability and Effectiveness of Ofatumumab in Subjects With Relapsing Multiple Sclerosis	III	2017-004703-51	Novartis
Carlos Andrade	A 12-month Prospective, Randomized, Interventional, Global, Multi-center, Activecontrolled Study Comparing Sustained Benefit of Two Treatment Paradigms (Erenumab qm vs. Oral Prophylactics) in Adult Episodic Migraine Patients	IV	2018-001228-20	Novartis

João Chaves	Efficacy and Safety of Eslicarbazepine Acetate (BIA 2-093) as Monotherapy for Patients with Newly Diagnosed Partial-onset Seizures: a Double-Blind, Randomized, Active-Controlled, Parallel-Group, Multicenter Clinical Study - Open-Label Esl Extension	III	2015-001243-36	Bial
Luís Maia	A Phase III, Multicenter, Randomized, Double-Blind, Placebo-Controlled, Parallel-Group, Efficacy, and Safety Study of Gantenerumab in Patients With Early (Prodromal to Mild) Alzheimer's Disease	III	2017-001365-24	Roche
<b>OPHTHALMOLOGY</b>				
Angelina Meireles	A Randomized, Double-masked, Sham-controlled Phase 4 Study of the Efficacy, Safety, and Tolerability of IV Aflibercept Monotherapy Compared to Aflibercept With Adjunctive Photodynamic Therapy in Patients With PCV	IV	2015-001368-20 †	Aibili
Bernardete Pessoa	A Two-year, Three-arm, Randomized, Double-masked, Multicenter, Phase III Study Assessing the Efficacy and Safety of Brolucizumab Versus Aflibercept in Adult Patients With Visual Impairment Due to Diabetic Macular Edema	III	2017-004742-23	Novartis
Miguel Lume	A 64-week, Two-arm, Randomized, Double-masked, Multicenter, Phase IIIb Study Assessing the Efficacy and Safety of Brolucizumab 6 mg Compared to Aflibercept 2 mg in a Treat-to-control Regimen in Patients With Neovascular Age-related Macular Degeneration	III	2019-000716-28	Novartis
<b>ONCOLOGY</b>				
António Araújo	A phase 3, multicenter, multinational, randomized, open-label, parallel-arm study of avelumab (msb0010718c) plus best supportive care versus best supportive care alone as a maintenance treatment in patients with locally advanced or metastatic urothelial cancer whose disease did not progress after completion of first-line platinum-containing chemotherapy	III	2015-003262-86	Pfizer
António Araújo	A Phase III Randomized, Open-Label, Multi-Center, Global Study of MEDI4736 in Combination With Tremelimumab Therapy Versus Standard of Care Platinum-Based Chemotherapy in First-Line Treatment of Patients With Advanced or Metastatic Non Small-Cell Lung Cancer	III	2015-002197-21	Astra Zeneca
António Araújo	A Randomized, Open Label, Phase III Study of Overall Survival Comparing Pembrolizumab (MK-3475) Versus Platinum Based Chemotherapy in Treatment Naïve Subjects With PD-L1 Positive Advanced or Metastatic Non-Small Cell Lung Cancer	III	2014-001473-14	MERCK

António Araújo	A Phase III, Open-Label, Randomized Study of Atezolizumab (MPDL3280A, Anti-PD-L1 Antibody) in Combination With Carboplatin+Paclitaxel With or Without Bevacizumab Compared With Carboplatin + Paclitaxel + Bevacizumab in Chemotherapy-Naïve Patients With Stage IV Non-Squamous Non-Small Cell Lung Cancer	III	2014-003207-30	Roche
António Araújo	A Phase III, Open-Label, Multicenter, Randomized Study Evaluating the Efficacy and Safety of Atezolizumab (MPDL3280A, Anti-PD-L1 Antibody) in Combination With Carboplatin+Paclitaxel or Atezolizumab in Combination With Carboplatin+Nab-Paclitaxel Versus Carboplatin+Nab-Paclitaxel in Chemotherapy-Naïve Patients With Stage IV Squamous Non-Small Cell Lung Cancer	III	2014-003208-59	Roche
António Araújo	A Phase III, Open-label, Multicenter Trial of Avelumab (MSB0010718C) Versus Platinum-based Doublet as a First-line Treatment of Recurrent or Stage IV PD-L1+ Non-small Cell Lung Cancer	III	2015-001537-24	MERCK
António Araújo	Phase III Randomized Clinical Trial of Lurbinectedin (PM01183)/ Doxorubicin Versus Cyclophosphamide, Doxorubicin and Vincristine (CAV) or Topotecan as Treatment in Patients With Small-Cell Lung Cancer (SCLC) Who Failed One Prior Platinum-containing Line	III	2015-001641-89	Pharma Mar
António Araújo	A Randomized, Phase 3 Trial With Anti-PD-1 Monoclonal Antibody Pembrolizumab (MK-3475) Versus Placebo for Patients With Early Stage NSCLC After Resection and Completion of Standard Adjuvant Therapy	III	2015-000575-27	MERCK
António Araújo	A Phase III Study of BBI-608 Plus Nab-Paclitaxel With Gemcitabine in Adult Patients With Metastatic Pancreatic Adenocarcinoma	III	2016-004359-57 †	Boston Biomedical
António Araújo	A Randomized, Open-Label (Formerly Double-Blind), Phase 2 Trial to Assess Safety and Efficacy of Lenvatinib at Two Different Starting Doses (18 mg vs. 14 mg QD) in Combination With Everolimus (5 mg QD) in Renal Cell Carcinoma Following One Prior VEGF-Targeted Treatment	II	2016-002778-11	Eisai
António Araújo	A Randomized, Double-Blind, Placebo-Controlled Phase 3 Study of Rovalpituzumab Tesirine as Maintenance Therapy Following First-Line Platinum-Based Chemotherapy in Subjects With Extensive Stage Small Cell Lung Cancer	III	2016-003503-64	Abbvie
António Araújo	A Phase 3, Global, Multi-Center, Double-Blind, Randomized, Efficacy Study of Zolbetuximab (IMAB362) Plus CAPOX Compared With Placebo Plus CAPOX as First-line Treatment of Subjects With Claudin (CLDN) 18.2-Positive, HER2-Negative, Locally Advanced Unresectable or Metastatic Gastric or Gastroesophageal Junction (GEJ) Adenocarcinoma	III	2018-000519-26	Astellas

António Araújo	A Phase 3 Randomized, Double-Blind, Controlled Study Evaluating Bemarituzumab (FPA144) and Modified FOLFOX6 in Patients With Previously Untreated Advanced Gastric and Gastroesophageal Junction Cancer: Phase 3 Preceded by Dose-Finding in Phase 1	III	2017-003507-22	Five Prime Therapeutics, Inc.
António Araújo	A Phase 2 Open-label, Multicenter, Randomized, Multidrug Platform Study of Durvalumab (MEDI4736) Alone or in Combination With Novel Agents in Subjects With Locally Advanced, Unresectable (Stage III) Non-small Cell Lung Cancer	II	2018-002931-35	MedImmune
António Araújo	An Open-label, Randomised, Phase III Study cOmparing trifLuridine/ Tipiracil (S 95005) in Combination With Bevacizumab to Capecitabine in Combination With Bevacizumab in firST-line Treatment of Patients With metastatIC Colorectal Cancer Who Are Not candidatE for Intensive Therapy	III	2017-004059-22 †	Servier
Joana Febra	A Phase 3 Randomized, Open-Label Study Comparing Pexa Vec (Vaccinia GM CSF / Thymidine Kinase-Deactivated Virus) Followed by Sorafenib Versus Sorafenib in Patients With Advanced Hepatocellular Carcinoma (HCC) Without Prior Systemic Therapy	III	2014-001985-86	SillaJen Inc.
Joana Febra	A Phase III Randomized Trial of MK-3475 (Pembrolizumab) Versus Standard Treatment in Subjects With Recurrent or Metastatic Head and Neck Cancer	III	2014-001749-26	MERCK
Joana Febra	A Phase III, Randomized, Open-Label, Controlled, Multi-Center, Global Study of First-Line MEDI4736 (Durvalumab) Monotherapy and MEDI4736 (Durvalumab) in Combination With Tremelimumab Versus Standard of Care Chemotherapy in Patients With Unresectable Stage IV Urothelial Cancer	III	2015-001633-24	Astra Zeneca
Joana Febra	A randomized double-blind phase 3 study of avelumab in combination with standard of care chemoradiotherapy (cisplatin plus definitive radiation therapy) versus standard of care chemoradiotherapy in the front-line treatment of patients with locally advanced squamous cell carcinoma of the head and neck	III	2016-001456-21	Pfizer
Joana Febra	A Randomized, Open Label, Multicenter Phase 2/3 Study to Evaluate the Efficacy and Safety of Rogaratinib (BAY1163877) Compared to Chemotherapy in Patients With FGFR-positive Locally Advanced or Metastatic Urothelial Carcinoma Who Have Received Prior Platinum-containing Chemotherapy	II	2016-004340-11	Bayer
Joana Febra	A Phase 3 Randomized, Placebo-controlled, Double-blind Study of Niraparib in Combination With Abiraterone Acetate and Prednisone Versus Abiraterone Acetate and Prednisone in Subjects With Metastatic Prostate Cancer	III	2017-003364-12	Janssen

Noémia Afonso	Phase 2 Randomized, Double-Blinded, Controlled Study of Tucatinib vs Placebo in Combination With Capecitabine and Trastuzumab in Patients With Pretreated Unresectable Locally Advanced or Metastatic HER2+ Breast Carcinoma	II	2015-002801-12 †	Cascadian Therapeutics
Noémia Afonso	An Open-label, Multicenter, Phase IIIb Study to Assess the Safety and Efficacy of Ribociclib (LEE011) in Combination With Letrozole for the Treatment of Men and Pre/Postmenopausal Women With Hormone Receptor-positive (HR+) HER2-negative (HER2-) Advanced Breast Cancer (aBC) With no Prior Hormonal Therapy for Advanced Disease	III	2016-003467-19	Novartis
Noémia Afonso	Phase 2 Study of MCLA-128-based Combinations in Metastatic Breast Cancer (MBC): MCLA-128/Trastuzumab/Chemotherapy in HER2-positive MBC and MCLA-128/Endocrine Therapy in Estrogen Receptor Positive and Low HER2 Expression MBC	II	2017-002821-39	Merus
Noémia Afonso	A Randomized, Open-Label, Phase 3 Study of Abemaciclib Combined With Standard Adjuvant Endocrine Therapy Versus Standard Adjuvant Endocrine Therapy Alone in Patients With High Risk, Node Positive, Early Stage, Hormone Receptor Positive, Human Epidermal Receptor 2 Negative, Breast Cancer	III	2016-004362-26	Lilly
Noémia Afonso	A Phase II, Open Label, Randomised, Multi-centre Study to Assess the Safety and Efficacy of Agents Targeting DNA Damage Repair in Combination with Olaparib versus Olaparib Monotherapy in the Treatment of Metastatic Triple Negative Breast Cancer Patients Stratified by Alterations in Homologous Recombinant Repair (HRR)-related Genes (including BRCA1/2)	II	2017-002361-22	Astra Zeneca
Noémia Afonso	A Randomized, Double-Blind, Phase III Study of Pembrolizumab Versus Placebo in Combination With Neoadjuvant Chemotherapy and Adjuvant Endocrine Therapy for the Treatment of High-Risk Early-Stage Estrogen Receptor-Positive, Human Epidermal Growth Factor Receptor 2-Negative (ER+/HER2-) Breast Cancer (KEYNOTE-756)	III	2017-003507-22	Merck Sharp & Dohme
Noémia Afonso	A Multi-centre, Double-blind, Placebo-controlled, Randomised Phase II Trial to Compare Efficacy of Xentuzumab in Combination With Everolimus and Exemestane Versus Everolimus and Exemestane in Women With HR+ / HER2- Metastatic Breast Cancer and Non-visceral Disease	II	2017-003131-11	Boehringer Ingelheim
Noémia Afonso	Chemotherapy-free Trastuzumab and Pertuzumab in HER2-positive (Human Epidermal Receptor) Breast Cancer: FDG-PET Response-adapted Strategy	II	2016-002676-27 †	MedSIR
Noémia Afonso	A Phase 3, Multicenter, Randomized, Open-label, Active Controlled Trial of DS-8201a, an Anti-HER2-antibody Drug Conjugate (ADC), Versus Treatment of Physician's Choice for HER2-low, Unresectable and/or Metastatic Breast Cancer Subjects	III	2018-003069-33	Daiichi-Sankyo

Noémia Afonso	A Phase III, Double-blind, Placebo-controlled, Randomized Study Of Ipatasertib in Combination With Atezolizumab and Paclitaxel as a Treatment for Participants With Locally Advanced Unresectable or Metastatic Triple-Negative Breast Cancer	III	2019-000810-12	Roche
Noémia Afonso	Elacestrant Monotherapy vs. Standard of Care for the Treatment of Patients With ER+/HER2- Advanced Breast Cancer Following CDK4/6 Inhibitor Therapy: A Phase 3 Randomized, Open-label, Active-controlled, Multicenter Trial	III	2018-002990-24	Radius Pharmaceuticals, Inc.
Sílvia Lopes	Phase III Randomized Sequential Open-label Study to Evaluate the Efficacy of FOLFOX + Panitumumab Followed by FOLFIRI + Bevacizumab (Sequence 1) Versus FOLFOX + Bevacizumab Followed by FOLFIRI + Panitumumab (Sequence 2) in Untreated Patients With Wild-type RAS Metastatic, Primary Left-sided, Unresectable Colorectal Cancer	III	2018-000347-60 +	Grupo de Tratamiento de los Tumores Digestivos (TTD)
<b>OTORHINOLARYNGOLOGY</b>				
Cecília Almeida e Sousa	A Randomized, Double-blind, 52-week, Placebo Controlled Efficacy and Safety Study of Dupilumab, in Patients With Bilateral Nasal Polyposis on a Background Therapy With Intranasal Corticosteroids	III	2015-001314-10	Sanofi
<b>ORTHOPEDICS</b>				
Adélio Vilaça	A Randomized, Open-Label, Study Drug-Dose Blind, Multicenter Study to Evaluate the Efficacy and Safety of JNJ-70033093 (BMS-986177), an Oral Factor XIa Inhibitor, Versus Subcutaneous Enoxaparin in Subjects Undergoing Elective Total Knee Replacement Surgery	II	2018-004237-32	Janssen
<b>PEDIATRICS</b>				
Emília Costa	A Phase II, Open-label, Non-controlled, Intra-patient Dose-escalation Study to Characterize the Pharmacokinetics After Oral Administration of Eltrombopag in Pediatric Patients With Refractory, Relapsed or Treatment Naive Severe Aplastic Anemia or Recurrent Aplastic Anemia	II	2015-003166-91	Novartis
Esmeralda Martins	A Long-Term Open-Label Treatment and Extension Study of UX003 rhGUS Enzyme Replacement Therapy in Subjects With MPS 7	III	2015-001875-32	Ultragenyx Pharmaceutical
Esmeralda Martins	An Open-label Study of UX003 rhGUS Enzyme Replacement Therapy in MPS 7 Patients Less Than 5 Years Old	II	2015-000104-26	Ultragenyx Pharmaceutical

Laura Marques	A Two-arm, Phase 2/3 Multicentre, Open-label, Randomised Study Evaluating Safety and Antiviral Effect of Current Standard Antiretroviral Therapy Compared to Once Daily Integrase Inhibitor Administered With Darunavir/Ritonavir (DRV/r) in HIV-1 Infected, Virologically Suppressed Paediatric Participants	III	2013-001476-37 †	Pediatric European Network for Treatment of AIDS
Laura Marques	An open-label, multi-centre, randomised (1:1), non-inferiority, Phase II/III, 96-week, 2-arm clinical trial to compare the efficacy and toxicity of DTG plus 2 NRTI vs. standard of care (SOC) in HIV-infected children aged less than 18 years who are starting first-line ART (ODYSSEY A) or switching to second-line ART (ODYSSEY B)	III	2014-002632-14 †	Pediatric European Network for Treatment of AIDS
Teresa Temudo	A Phase 2, Multicenter, Randomized, Double-blind, Placebo-controlled Study to Evaluate the Efficacy, Safety, and Tolerability of TAK-935 as an Adjunctive Therapy in Pediatric Patients With Developmental and/or Epileptic Encephalopathies	II	2015-003166-91	Ovid Therapeutics
<b>CLINICAL IMMUNOLOGY UNIT</b>				
Ana Campar	A Randomized, Double-Blind, Placebo-Controlled 52-Week Study to Assess Adverse Events of Special Interest in Adults With Active, Autoantibody-Positive Systemic Lupus Erythematosus Receiving Belimumab	III	2011-005667-25	Human Genome Sciences
António Marinho	A Phase 3, Multicenter Study to Evaluate the Long-Term Safety and Efficacy of Baricitinib in Patients With Rheumatoid Arthritis	III	2012-003686-17	Lilly
António Marinho	A Randomized, Double-blind, Active Control, Multicenter Study to Evaluate the Efficacy at Week 52 of Secukinumab Monotherapy Compared With Adalimumab Monotherapy in Patients With Active Psoriatic Arthritis	III	2015-004477-32	Novartis
António Marinho	Study of Safety and Efficacy of Multiple VAY736 Doses in Patients With Moderate to Severe Primary Sjogren's Syndrome (pSS)	II	2016-003292-22	Novartis
<b>UROLOGY</b>				
Paulo Príncipe	Study of Safety and Efficacy of Multiple VAY736 Doses in Patients With Moderate to Severe Primary Sjogren's Syndrome (pSS)	III	2015-003471-30	IPSEN

Caption: † Investigator-initiated study

## OBSERVATIONAL STUDIES

PRINCIPAL INVESTIGATOR	TITLE	SPONSOR
AMYLOIDOSIS - NEUROLOGY		
Teresa Coelho	Transthyretin-associated Amyloidosis Outcomes Survey (THAOS): A Global, Multi-center, Longitudinal, Observational Survey Of Patients With Documented Transthyretin (TTR) Mutations Or Wild-type TTR Amyloidosis	Pfizer
ANESTHESIOLOGY		
Simão Esteves	Incidence of Postoperative Residual Neuromuscular Blockade - A Multicenter, Observational Study in Portugal †	Centro Hospitalar Universitário do Porto
CARDIOLOGY		
Henrique Cyrne Carvalho	An international, multicenter, randomized, double-blind, placebo-controlled phase 3 trial investigating the efficacy and safety of Rivaroxaban to reduce the risk of major thrombotic vascular events in patients with symptomatic peripheral artery disease undergoing lower extremity revascularization procedures	Medtronic
Hipólito Reis Vânia Cordeiro	Reveal Linq Registry	Medtronic
Hipólito Reis	Strategic management to optimize response to cardiac resynchronization therapy registry smart registry	Boston Scientific
Hipólito Reis	Observation of clinical routine care for heart failure patients implanted with BIOTRONIK CRT devices	Biotronik SE
VASCULAR SURGERY		
Rui Almeida	Characterization of Patients Following Acute Venous Thromboembolism (VTE) and Safety and Effectiveness of Dabigatran Etexilate (DE) in the Treatment and Secondary Prevention of Acute Deep Vein Thrombosis (DVT) and Pulmonary Embolism (PE) in Comparison to Vitamin K Antagonist (VKA) in Routine Clinical Practice	Boehringer

DERMATOLOGY		
Tiago Torres	A Multicenter, Open Registry of Patients With Plaque Psoriasis Who Are Candidates for Systemic Therapy Including Biologics	Janssen
Tiago Torres	Long term observational, prospective study to collect in a real life setting data on the retention, effectiveness, safety, treatment pattern, quality of life, and efficiency of secukinumab in adult patients with moderate to severe plaque psoriasis	Novartis
ENDOCRINOLOGY		
André Carvalho	Observational, cross-sectional, multicenter study to characterize hypoglycemic episodes in hospitalized diabetic patients according to their background therapy in Portugal	Merck Sharp & Dohme
Helena Cardoso	Estudo observacional transversal para estimar a prevalência de doença cardiovascular e fatores de risco cardiovasculares em doentes com DMT2 incluindo uma fase retrospectiva para avaliar a gestão clínica de um subgrupo de doentes em ambiente hospitalar em Portugal	NOVO NORDISK
Jorge Soares	Estudo observacional, retrospectivo e multicêntrico para avaliação da efetividade terapêutica com liraglutido, na prática clínica real em Portugal, quando utilizado durante, pelo menos, 12 meses no tratamento de pessoas com diabetes tipo 2	Sociedade Portuguesa de Diabetologia (SPD)
Jorge Soares	An international non-interventional prospective cohort study to evaluate the safety of treatment with Levemir (Insulin Detemir) in pregnant women with diabetes mellitus - diabetes pregnancy registry	Novo Nordisk
HEMATOLOGY		
Alexandra Mota	Prospective, non-interventional, multi-center observational study of nilotinib in adult patients with newly diagnosed CML ph+ in chronic phase: evaluation of effectiveness, safety and compliance in a real-life patient setting	Novartis
Cristina Gonçalves	Prospective Observational Study Evaluating the Safety of Lenalidomide/Dexamethasone Treatment in Patients With Relapsed or Refractory Multiple Myeloma	Celgene

Graça Porto	Estudo observacional, prospetivo, multicêntrico em doentes com síndrome mielodisplásica de risco baixo e intermédio-1, com sobrecarga de ferro em contexto de terapêutica transfusional: avaliar a evolução clínica e terapêutica de doentes quelados e não-quelados	Novartis
Sara Morais	Estudo transversal na hemofilia A: caracterização nacional da população portuguesa	Bayer
Sara Morais	Um estudo epidemiológico transversal para compreender a atual abordagem de tratamento nos cuidados de rotina dos pacientes em Espanha e Portugal, em pacientes com Hemofilia B	CSL BEHRING
<b>IMMUNOALLERGOLOGY</b>		
Helena Falcão	A 12-month multi-center, non-interventional prospective study (with a retrospective cohort) to investigate the steroid-sparing effect of Xolair (omalizumab) in patients with severe asthma treated under Portuguese medical practice	Novartis
<b>INFECTIOUS DISEASES</b>		
Rui Sarmiento e Castro	Real-world characterization of the Portuguese population living with HIV who initiated Raltegravir based-regimen in the last three years	Merck Sharp & Dohme
<b>MEDICINE</b>		
Ernestina Reis	Caracterização da primeira infeção e recorrência de Clostridium difficile (CDI) em Portugal: epidemiologia, impacto da doença e utilização de recursos de saúde associados	Merck Sharp & Dohme
<b>NEPHROLOGY</b>		
Manuela Almeida	Global Multicentre Kidney Transplant Advagraf Conversion Registry. A Non-interventional Post-authorisation Study (PAS)	Astellas Pharma
<b>NEUROLOGY</b>		
Ana Martins da Silva	Long-term, prospective, non-interventional, multinational, parallel-cohort study monitoring safety in patients with MS recently initiated with fingolimod once daily or treated with another approved disease-modifying therapy	Novartis

Ana Martins da Silva	The Multi-National Pregnancy Fingolimod Exposure Registry in Multiple Sclerosis (Epidemiological Study Protocol FTY720D2404)	Novartis
Ana Martins da Silva	A Multicenter, Multinational, Observational Study to Collect Information on Safety and to Document the Drug Utilization of Fampyra® When Used In Routine Medical Practice	BIOGEN PORTUGAL
Ana Martins da Silva	An observational, non-interventional Portuguese study to assess quality of life in relapsing remitting multiple sclerosis patients treated with Teriflunomide 14 mg in a real world clinical setting	Sanofi
Marina Magalhães	Enroll-HD: A prospective Registry Study in a Global Huntington's Disease Cohort.	CHDI Foundation
<b>AMYLOIDOSIS - NEUROLOGY</b>		
Teresa Coelho	Transthyretin-associated Amyloidosis Outcomes Survey (THAOS): A Global, Multi-center, Longitudinal, Observational Survey Of Patients With Documented Transthyretin (TTR) Mutations Or Wild-type TTR Amyloidosis	Pfizer
<b>OPHTHALMOLOGY</b>		
Angelina Meireles	An Open Label, Registry Study of the Safety of Iluvien® 190 Micrograms Intravitreal Implant in Applicator	Alimera Sciences
<b>ONCOLOGY</b>		
António Araújo	A European Prospective Observational Study Assessing the Effectiveness and Outcomes Associated With Enzalutamide Treatment in Patients With Metastatic Castration Resistant Prostate Cancer (mCRPC)	Astellas Pharma
António Araújo	Progression Free Survival (PFS) in patients treated with sunitinib as first-line treatment for metastatic renal cell carcinoma (mRCC): Evaluation of Portuguese clinical practice in the treatment of patients with mRCC	Pfizer

António Araújo	A non-interventional, multicenter, multiple cohort study investigating the outcomes and safety of atezolizumab under real-world conditions in patients treated in routine clinical practice (cohort 2)	Roche
António Araújo	Prospective comparative ctDNA vs tissue methodology study, to identify T790M-EGFR mutation frequency in Portuguese patients with advanced NSCLC, on progression from a previous TKI therapy	Astra Zeneca
António Araújo	An open-label, multicenter extension and long-term observational study in patients previously enrolled in a genentech- and/or f. Hoffmann-la roche ltd-sponsored atezolizumab study	Roche
<b>ONCOLOGY / CLINICAL HEMATOLOGY</b>		
António Araújo	Caracterização do risco de trombose em doentes com cancro †	Dr. António Javier Trujillo Santos
<b>ORTHOPEDICS</b>		
Ricardo Sousa	Short or Long Antibiotic Regimes in Orthopaedics: a randomised open label multi-centre clinical trial †	Oxford University Hospitals NHS Trust
<b>PEDIATRICS</b>		
Esmeralda Martins	A global, multi-center, long-term, observational survey of patients with Hunter syndrome	Shire Pharmaceuticals, Inc
Esmeralda Martins	Kuvan® Adult Maternal Pediatric European Registry	Merck Serono
Laura Marques	Pharmacovigilance studies on the use of ART in HIV-infected children and young people in Europe †	Fondazione PENTA Onlus

Manuela Santos	Long-Term Observational Study of Translarna Safety and Effectiveness in Usual Care	PTC THERAPEUTICS INTERNATIONAL LIMITED
<b>UROLOGY</b>		
Avelino Fraga	A Prospective Registry of Patients With a Confirmed Diagnosis of Adenocarcinoma of the Prostate Presenting With Metastatic Castrate-Resistant Prostate Cancer	Janssen

Caption: † Investigator-initiated study

## STUDIES WITH MEDICAL DEVICES

PRINCIPAL INVESTIGATOR	TITLE	SPONSOR
<b>CARDIOLOGY</b>		
Henrique Cyrne Carvalho	Strategies for Revascularization in Patients Undergoing Heart Valve Surgery With Concomitant Coronary Artery Disease. Angiography vs Fractional Flow Reserve †	Sociedade Espanhola de Cardiologia
Hipólito Reis	Active Fixation and Passive Fixation Pace/ Sense Lead Clinical Study	Boston Scientific Corporation
Hipólito Reis	Quartet Lead and Resynchronization Therapy Options - Assessing the Response Rate at 6 Months in CRT Patients Implanted With a Quartet Left Ventricular(LV) Quadripolar Lead and the MultiPoint Pacing (MPP) Feature Activated	St. Jude Medical
Hipólito Reis	Safety and Electrical Performances Evaluation of Navigo Leads Equipped with IS4 Connector	LivaNova

Caption: † Investigator-initiated study

## RESEARCH PROJECTS

TITLE	INVESTIGATOR	STUDY LOCATION
Qualidade de vida e grau de satisfação da pessoa submetida a diálise peritoneal. Caracterização da população adulta	Alexandre Pereira	Department of Nephrology
Cancro da mama associado à gravidez	Ana Andrade	Department of Obstetrics
Neuroendocrine tumor of the appendix - a case report and review of the literature	Ana Fernandes	Department of General Surgery
Night Time Laparoscopic Cholecystectomy for Acute Cholecystitis: is Night Time a Safe Time?	Ana Fernandes	Department of General Surgery
Noninvasive Hemoglobin Monitoring: The Role In Neonatal Screening	Ana Lachado	Neonatal Intensive Care Unit
Determinação dos fatores preditivos de cancelamento de cirurgia no próprio dia em regime de ambulatório	Ana Povo	Outpatient Surgery Unit
The role of iron deficiency in a very elderly population with anemia and cardiovascular disease - a multicenter study	Ana Rita Rego	Department of Internal Medicine
Casuística dos episódios de urgência de pedopsiquiatria entre janeiro e dezembro de 2016 e comparação com períodos homólogos anteriores (1997 e 2008)	Ana Rodrigues	Department of Child and Adolescent Psychiatry

Dieta de Atkins modificada no tratamento de doentes adultos com epilepsia refratária - estudo observacional prospetivo unicêntrico	Ana Samões	Department of Neurology / Neuropsychology Unit / Department of Food and Nutrition
Atipicidades sensoriais em pais de crianças com perturbação do Especto do Autismo vs Perturbação do Processamento Sensorial	Ana Sofia Machado	Department of Child and Adolescent Psychiatry
Validação para português do questionário de incontinência urinária - ICIQ SF	Ana Trêpa	Department of Physical Medicine and Rehabilitation
Estudo Epidemiológico para determinar prevalência de Leishmaniose Visceral infetada pelo VIH em Portugal	Anabela Silva	Multidisciplinary Clinical Immunology Unit
NSTEMI REGISTRY	André Luz	Department of Cardiology
Avaliação das características vocais dum grupo de doentes com Diabetes Mellitus Tipo I	Ângela Reis	Department of Otorhinolaryngology / Department of Endocrinology
Lung BioMimic: a 3D biomimetic platform for lung cancer translational studies	António Araújo	Department of Oncology
Glycans as novel immunomodulators in Systemic Lupus Erythematosus. An opportunity for a new therapeutic strategy	António Marinho	Multidisciplinary Clinical Immunology Unit
Toxoplasmosse congénita: casuística de 5 anos num hospital terciário	Bebiana Sousa	Department of Pediatrics

Qual o impacto económico do “Nursing Missed Care” num hospital universitário	Bruno Venâncio	Department of Management Information
Registo eletrónico do tumor renal	Carlos Silva /Miguel Ramos	Department of Urology
Intra-operative radiotherapy for recurring glioblastoma [recGLIORT]	Carolina Noronha	Department of Neurosurgery / Department of Oncology / Department of Neuroradiology / Neuropathology Unit
Avaliação da resposta humoral contra a SALMONELLA TYPHI VI para o diagnóstico de défice de produção de anticorpos anti-polissacárido	Cátia Morais	Multidisciplinary Clinical Immunology Unit
Viajar com crianças - a experiência de um hospital terciário	Cláudia Lemos	Department of Pediatrics
Registo clínico e epidemiológico da doença renal em terapêutica substitutiva da função renal em doentes pediátricos - ESPN-ERA/EDTA REGISTRY	Conceição Mota	Department of Pediatrics
Tradução e validação para português do questionário EMPATHIC (empowerment of parents in the intensive care) para avaliar a satisfação dos pais em cuidados intensivos pediátricos	Cristiana Martins	Pediatric Intensive Care Unit
Desfechos obstétricos em mulheres com idade materna muito avançada (> 45 anos)	Cristiana Moreira	Department of Obstetrics

Desfecho neonatal da infeção materna por Citomegalovírus	Cristiana Moreira	Department of Obstetrics
Estudo de stress e burnout na unidade de neonatologia do CMIN	Cristina Mendes	Consultation-Liaison Psychiatry Unit
Eficácia do Linacotide Versus Polietilenogliol na preparação intestinal para o estudo do intestino delgado com videocápsula endoscópica	Daniela Falcão	Department of Gastroenterology
Caracterização clínica e demográfica da população portuguesa com Diabetes MellitusTipo 1	Diana Duarte	Department of Endocrinology
Feocromocitoma e paraganglioma: caracterização clínica, funcional e genética de uma população portuguesa	Diana Duarte	Department of Endocrinology
Distress e comunicação clínica em Oncologia - interligações e implicações	Diana Mota	Multipurpose Day Hospital
ADPedKD: an international web-based databased for longitudinal data registry of children with autosomal dominant polycystic kidney disease (ADPKD)	Djalila Mekahli	Department of Pediatrics
CARESS - Saúde Psicossocial de cuidadores informais de sobreviventes de AVC: Experiências, necessidades e qualidade de vida	Elisabete Alves	Department of Neurology
ECLip lipodystrophy	Ermelinda Santos	Department of Pediatrics

GALA - THE GLOBAL ALAGILLE ALLIANCE STUDY - Looking beyond the liver	Ermelinda Santos	Department of Pediatrics
Understanding the pathogenics in CASPR2-antibody autoimmune synaptic encephalitis	Ernestina Santos	Department of Neurology
UNIFIED European Registry for Inherited Metabolic Diseases ( U-IMD)	Esmeralda Martins	Reference Center for Hereditary Metabolic Disorders
Clinical ad Basic Investigatons into Phosphamannomutade deficiency (PMM2-CDG)	Esmeralda Martins	Department of Pediatrics
Prognosis of breast cancer associated with the Portuguese BRCA2 founder mutation c.156_157 insAlu	Fátima Vaz	Department of Surgery – Breast Unit/ Department of Oncology
Glycobiomarkers and its prognostic significance in resectable pancreatic cancer	Fernando Gonçalves	Department of Oncology / Department of Pathological Anatomy / Department of General Surgery
Impacto do número de refeições e da composição nutricional da ceia no perfil glicémico em grávidas com diabetes gestacional	Fernando Pichel	Department of Food and Nutrition / Department of Endocrinology
Falta à primeira consulta de psiquiatria da infância: avaliação multidimensional de fatores contributivos e estratégias a implementar	Filipa Silva	Department of Childhood Psychiatry
Multiple interventions to achive no decline (MIND)	Firmino Machado / Ana Sousa	Department of Neurology

Gallstone disease in children: ? An evolving entity?	Gisela Silva	Department of Pediatrics
Testing the efficacy of natural polyphenol supplement to inhibit dietary iron absorption in subjects with hereditary hemochromatosis: a stable isotope study	Graça Porto	Department of Clinical Hematology
Estudo antes e após intervenção das Equipas Intra-Hospitalares de Suporte em Cuidados Paliativos no controlo da dor	Hélder Aguiar	Intra-Hospital Palliative Care Support Team
Estudo Observacional, transversal e multicêntrico para avaliar a prevalência de sensibilização a <i>Alternaria alternata</i> e Alt 1 nos doentes com rinite ou rinoconjutivite e/ou asma alérgicas	Helena Falcão	Department of Immunoallergology
Perfil de sensibilização molecular a pólenes de gramíneas e oliveira em Portugal	Helena Falcão	Department of Immunoallergology
Estudo Clínico comparativo de avaliação da composição corporal usando localizador digital e método de bioimpedância, em idade pediátrica	Helena Mansilha	Department of Pediatrics
Insuficiência intestinal pediátrica estudo multicêntrico	Helena Mansilha	Department of Pediatrics
Study on the in vitro activity of cefiderocol (S-649266) in comparison to other antimicrobials Carbapenem Resistant Gram-negative pathogens	Helena Ramos	Department of Microbiology
Long-term outcome of pediatric autoimmune liver disease: current challenges and new directions	Helena Silva	Department of Pediatrics

Istmocelo: um estudo sobre fatores de risco, avaliação imagiológica e complicações	Helena Veloso	Department of Gynecology
Lower limb major amputation: the silent catastrophe	Henrique Rocha	Department of Angiology and Vascular Surgery
Inovação em tempos de crise: Palbociclib e Ribociclib	Inês Leão	Department of Oncology
Exome dynamics in stress-driven brain pathologies - a novel link between Alzheimer's disease and depression	Ioannis Sotiropoulos	Neuropathology Unit
Tradução, Adaptação cultural e Validação do "Dysphagia Handicap Index" para o português europeu	Isabel Carvalho	Department of Otorhinolaryngology
Construção e validação do Protocolo de Avaliação da Disfagia Orofaríngea (PADOf)	Isabel Carvalho	Department of Otorhinolaryngology
Tradução e Adaptação Transcultural da YALE Pharyngeal	Isabel Carvalho	Department of Otorhinolaryngology
Mindfulness na doença crónica em idade pediátrica: avaliação do impacto do programa "O Teu Lugar Tranquilo" na sintomatologia ansiosa, competências de mindfulness e adaptação à doença de um grupo de jovens entre os 10 e os 13 anos de idade	Isabel Gomes	Consultation-Liaison Psychiatry Unit
"Micromegalia": Acromegalia com secreção aparentemente normal de GH Basal - a experiência de um centro hospitalar terciário	Isabel Inácio	Department of Endocrinology

Is glycemic variability different in type 1 diabetic patients treated with continuous subcutaneous insulin infusion versus multiple daily injections?	Isabel Inácio	Department of Endocrinology
EurAKID - european registry of pediatric acute kidney injury treated with dialysis	Isabella Guzzo	Department of Pediatrics
Pressão transcutânea de oxigénio em doentes com úlcera em pé diabético	Joana Ferreira	Department of Endocrinology
Fatores preditores de sucesso da inseminação artificial - qual o papel da tiroide?	Joana Ferreira	Department of Gynecology and Medically Assisted Reproduction Center
A criança com doença crónica complexa - realidade do internamento do Serviço de Pediatria de um hospital de nível III	Joana Ferreira	Department of Pediatrics
A Pan-European Multi-Centre Observational Study to Determine the Natural History of Patients with Alpha-1 Antitrypsin Deficiency	Joana Gomes	Department of Pulmonology
Validação internacional do índice de sobrevivência do doente crónico - CRONIGAL	João Correia	Department of Internal Medicine
Auto-insuflação: alternativa no tratamento da Otite Média com Efusão?	João Lino	Department of Otorhinolaryngology
Amplificação de HER2 como biomarcador preditivo de resposta à terapêutica com anticorpos anti-recetor do fator de crescimento epidermoide (EGFR) no tratamento de primeira linha de cancro coloretal metastático RAS wild-type	João Moreira Pinto	Department of Oncology

Registo Epidemiológico de doentes adultos com leucemia mielóide aguda	Jorge Coutinho	Department of Clinical Hematology
Repurposed drugs for gliomas (Rdruglioma)	Jorge Gonçalves	Department of Neurosurgery
Avaliação da Necessidade de Cuidados Paliativos através da ferramenta NECPAL em doentes internados nos Serviços de Pneumologia ( Oncológicos e Não Oncológicos)	Júlio Teixeira	Department of Pulmonology
Medicina de precisão na imunodeficiência comum variável	Kissy Guevera Hoyer	Multidisciplinary Clinical Immunology Unit
Efectividade da vacina anti-meningocócica B na prevenção da doença invasiva meningocócica em Portugal	Laura Marques	Department of Pediatrics
Transplante renal pediátrico e risco cardiovascular	Liane Costa	Department of Pediatrics
Síndrome de ovário poliquístico e obesidade: impacto na fertilidade - experiência de um centro	Liliana Fonseca	Department of Endocrinology, Department of Gynecology, and Medically Assisted Reproduction Center
Diabetes gestacional e gravidez gemelar: relação do controlo glicémico com os desfechos materno-fetais	Liliana Fonseca	Department of Endocrinology/ Department of Obstetrics
Eficácia do aconselhamento preventivo da diarreia do viajante na consulta pré-viagem	Lino Silva	Department of Infectious Diseases

Cognitive impairment and OCT in early multiple sclerosis	Luís Ruano / Inês Laranjinha	Department of Neurology
SEDIM - B3: Abordagens das lesões histológicas de alto risco (B3) com ressonância magnética e biópsia assistida por vácuo, um projeto da sociedade espanhola de radiologia mamária (SEDIM)	M <sup>a</sup> Elisa Abreu	Department of Radiology / Department of Pathological Anatomy
Contribuição das variáveis psicológicas para a qualidade de vida e adesão à medicação e perfil de risco para hemorragia em doentes com fibrilhação auricular hipocoagulados	M <sup>a</sup> Graça Pereira	Department of Clinical Hematology
Nociceção e profundidade da via anestésica - avaliação da interdependência e sinergia através de monitorização multimodal, com foco na resposta da função cerebral (EEG processado) e SNA	Manuel Campos	Department of Anesthesiology
Influência do nível de nociceção intra-operatória na incidência da dor do pós-operatório imediato	Manuel Campos	Department of Anesthesiology
Estudo retrospectivo dos casos de neutropenia aloimune neonatal estudados na Unidade de Diagnóstico Hematológico do Serviço de Hematologia Clínica do CHUP	Margarida Lima	Department of Clinical Hematology
Investigação translacional epidemiológica, bigenómica e funcional nas atrofas ópticas	Maria Grazina	Department of Ophthalmology
A multicenter retrospective observational cohort study to assess the long term (3 years) effects on visual acuity of treatment of choroidal neovascularization secondary to angioid streaks with intravitreal anti vascular endothelial growth factor (anti- VEGF) injections	Maria João Furtado	Department of Ophthalmology
Macular edema secondary to retinal vein occlusion in real life setting - 3 years follow-up	Maria João Furtado	Department of Ophthalmology

Síndromes Parkinsónicas atípicas “Atípicos”	Maria João Malaquias	Department of Neurology
Usefulness of a preoperative quantitative electroencephalogram analysis to assess cognitive impairment and frailty in surgical patients: a pilot study	Maria João Susano	Department of Anesthesiology
Multicenter multinational cardiogenic shock registry	Maria Trêpa	Department of Cardiology
Internamentos por doenças do movimento hiperkinéticas	Mariana Almeida Branco	Department of Neurology
Avaliação do Estado Nutricional em doentes com Glioma [NutriGlio I]	Mariana Fraga Carolina Noronha	Department of Food and Nutrition / Department of Neurosurgery
Molecular basis for diagnosis and treatment of adrenocortical carcinomas	Mariana Monteiro	Department of Endocrinology
Impacto clínico e económico de um programa de exercício físico no hospital versus no domicílio na insuficiência cardíaca: Um Ensaio Clínico Pragmático	Mário Santos	Department of Cardiology
Sobreviver ao Cancro do Recto com um estoma. Qualidade de vida, fatores socioeconómicos e o impacto da colostomia: Perspetiva Internacional	Marisa Santos	Department of General Surgery
Euro POWER: Postoperative Outcomes Within a Enhanced Recovery After Surgery Protocol	Marisa Santos	Department of General Surgery

Impact of exercise on chemotherapy - related cardiotoxicity in women with breast cancer - a randomized control trial	Marta Oliveira	Department of Oncology
Avaliação de conforto e satisfação do doentes após endoscopia pediátrica	Marta Tavares	Department of Pediatrics
ARegPKD: an international multicenter on autosomal recessive polycystic kidney disease (ARPKD)	Max Liebau	Department of Pediatrics
Estudo observacional retrospectivo dos resultados clínicos do tratamento combinado de ANTI-VEGF com dispositivos de libertação prolongada de corticóide em doentes com oclusão venosa retiniana realizado no Centro Hospitalar do Porto	Miguel Lume	Department of Ophthalmology
Posoperative vasopressor usage: a prospective international observational study - SQUEEZE Study	Miguel Tavares Alexandre Pinto	Department of Intensive Care
Investigação de Desequilíbrios Genómicos em Produtos de Conceção por Técnicas de Citogenética Convencional e Multiplex Ligation-Probe Dependent Amplification (MLPA)	Natália Teles	Centro de Genética Médica Jacinto Magalhães
Intervenção no excesso de peso e na obesidade infantil: eficácia de um programa para pais enquanto agentes de mudança	OrlandaCruz	Department of Pediatrics
Readmissão em Cuidados Intensivos - analisar para melhorar	Patrícia Campos	Department of Intensive Care
Avaliação da afetação imunológica nas CDG: desde a investigação básica à investigação clínica	Paula Videira	Department of Pediatrics

Implementing ICHOM's Standard Sets of Outcomes: Age Macular Degeneration	Pedro Menéres	Department of Ophthalmology
Perfil proteico dos trombos: uma janela para a prevenção secundária do AVC	Pedro Videira	Department of Neurology / Department of Neuroradiology
PRENIV - Prospective Registration NIV	Raquel Oliveira	Emergency Department
Tratamento cirúrgico das fraturas toracolombares em Portugal: convencional vs minimamente invasiva	Ricardo Pinto	Department of Orthopedics
Short or Long Antibiotic Regimes in Orthopaedics (SOLARIO): A Randomized Open Label Multi-Centre Clinical Trial	Ricardo Sousa	Department of Orthopedics
Aplicação de apoio à reabilitação pós-cirúrgica para laringectomizados	Ricardo Sousa	Department of Otorhinolaryngology
Neuroinflammation in neurodegenerative diseases - a multimodal analysis	Ricardo Taipa	Neuropathology Unit
Fatores preditivos de falência no tratamento com iodo radioativo na Doença de Graves	Sílvia Monteiro	Department of Endocrinology
A influência do transplante reno-pancreático na evolução das lesões do pé diabético e doença arterial periférica	Sílvia Monteiro	Department of Endocrinology

Estudo sobre a Nefropatia de IgA e Nefropatia Membranosa em Portugal	Sofia Santos	Department of Nephrology
Meningite nosocomial do doente crítico: estudo observacional retrospectivo num Serviço de Cuidados Intensivos	Sofia Valdoeiros	Department of Intensive Care
Alterações comportamentais após anestesia pediátrica em Cirurgia de Ambulatório	Sónia Duarte	Department of Anesthesiology
Fatores de risco para descolamento prematura da placenta	Tânia Barros	Department of Obstetrics
Doença de Behçet e gravidez	Tânia Barros	Department of Obstetrics
Colestase intrahepática da gravidez	Tânia Barros	Department of Obstetrics
Grávida com infeção pelo vírus da imunodeficiência humana - casuística do CMIN	Tânia Barros	Department of Obstetrics
Interrupção voluntária da gravidez em mulheres com idade $\geq 40$ anos - casuística de um centro	Tânia Barros	Department of Obstetrics
FAP.ML: Mopdeling TRR-FAP Patients. Relevant events using machine learning	Teresa Coelho	Corino de Andrade Unit

Nutrição e hidratação em Cuidados Paliativos: estudo multicêntrico	Tiago Mendes	Several locations
Glycemic variability in type 1 diabetic patients	Tiago Santos	Department of Endocrinology
Trifluridina/Tipiracilo (TAS-102) no Cancro Colo-Retal metastizado - um estudo retrospectivo multicêntrico sobre a prática clínica	Tiago Tomás	Department of Oncology
Fatores epigenéticos como biomarcadores de diagnóstico na psoríase	Tiago Torres	Department of Dermatology
Mimetizadores de paralisia cerebral num centro universitário	Vanessa Oliveira	Department of Neurology
Estudo multicêntrico internacional da utilização de Denosumab no tratamento de tumores de células gigantes	Vânia Oliveira	Department of Orthopedics
Estudo multicêntrico internacional sobre megapróteses implantadas por tumores do aparelho locomotor	Vânia Oliveira	Department of Orthopedics
O impacto do tratamento adjuvante na evolução de úlceras “hard-to-heal” em pé diabético	Vânia Silva	Department of Endocrinology
Avaliação do controlo metabólico, terapêutica hipoglicemiante e complicações em doentes com Diabetes Mellitus após alta da consulta hospitalar da Diabetes	Vânia Silva	Department of Endocrinology

A influência da Tiroidite de Hashimoto e da terapêutica farmacológica de calcitonina sérica no rastreio de carcinoma medular da tiróide	Vânia Silva	Department of Endocrinology
Incidência e implicação prognóstica do hipopituitarismo pós-traumático: estudo prospetivo de um centro	Vânia Silva	Department of Endocrinology / Department of Neurosurgery
EUREKA Registry	Vasco Dias	Department of Cardiology
Nucleus accumbens deep brain stimulation for morbid obesity	Vasco Pinto	Department of Neurosurgery / Department of Endocrinology/ Department of General Surgery

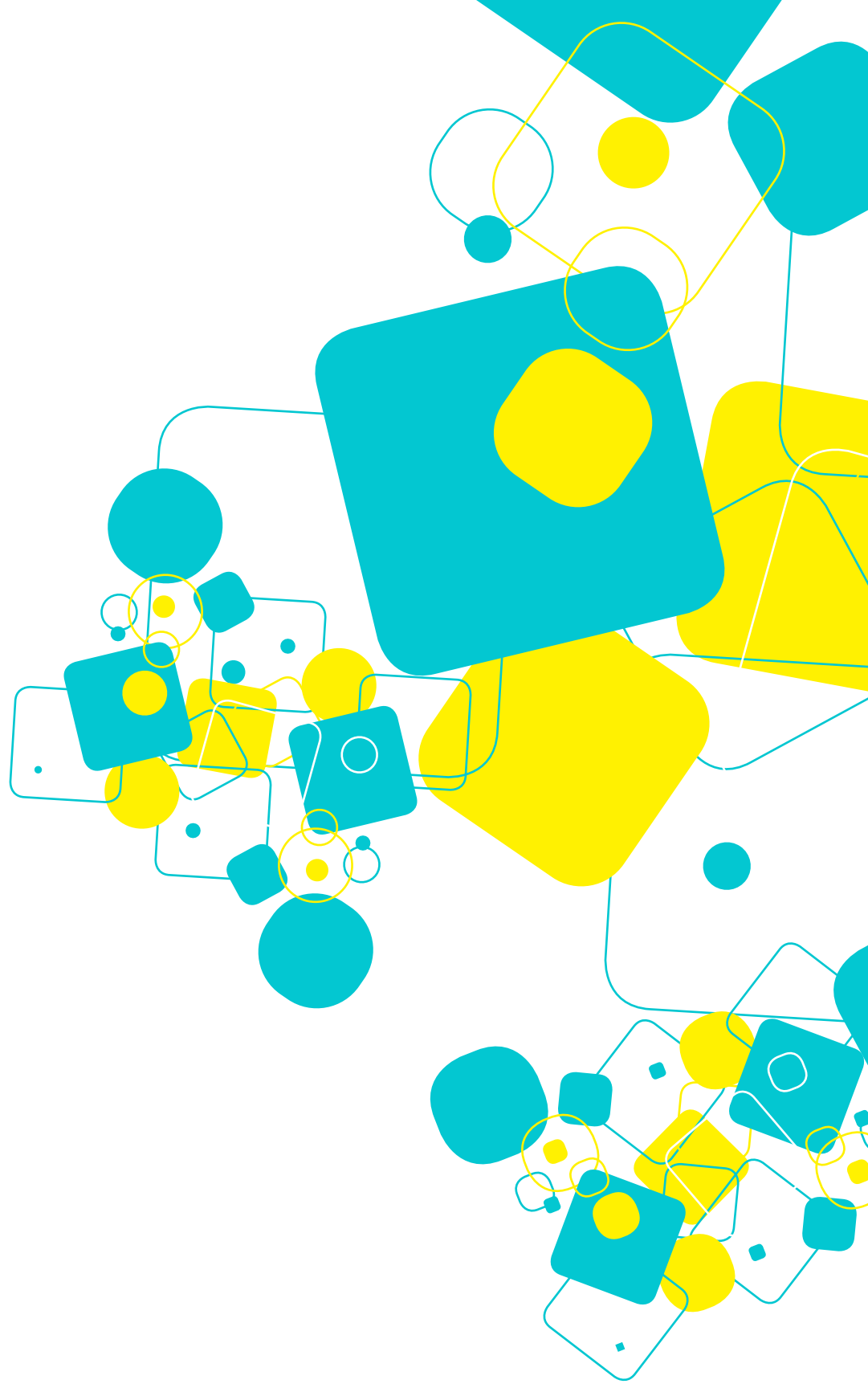
## FUNDED RESEARCH PROJECTS

### **PROJECTS FUNDED BY EUROPEAN FUNDS THROUGH THE EUROPEAN REGIONAL DEVELOPMENT FUND (FEDER) AND BY NATIONAL FUNDS THROUGH THE STATE BUDGET:**

1. POCI-01-0145-FEDER-031674 - BIO-Stroke: AVC em translação: Biomarcadores para diagnóstico e decisão terapêutica no AVC isquémico.
2. NORTE-01-0145-FEDER-031161 - Programa de exercício físico terapêutico supervisionado em ambulatório, para educação e co-responsabilização em doença arterial periférica e claudicação intermitente, com o objetivo de aumentar a qualidade da caminhada e a distância percorrida.

### **PROJECTS FUNDED BY NATIONAL FUNDS FROM THE STATE BUDGET**

1. DSAIPA/DS/0084/2018 - ICDS4IM - Suporte Inteligente à Decisão Clínica em Medicina Intensiva.



# 11. ACADEMIC STUDIES

TITLE	INVESTIGATOR	STUDY LOCATION
Controlo de Fenilalanina em doentes com Fenilcetonúria na Europa	Alex Pinto	Department of Food and Nutrition, Centro de Genética Médica Jacinto Magalhães
Estudo epidemiológico do traumatismo crânio-encefálico no Centro Hospitalar Universitário do Porto - Avaliação dos factores de variabilidade	Alexandra Machado	Department of Neurosurgery
Automatic quantification of interstitial lung disease from chest computed tomography in systemic scleroderma	Alysson Carvalho	Multidisciplinary Clinical Immunology Unit
Growth and Neurodevelopment of Human Immunodeficiency Virus Exposed and Uninfected Children	Ana Raquel Silva	Department of Pediatrics
A model to identify patients admitted from the community with pneumonia caused by drug-resistant pathogens	Ana Albuquerque	NA
Educação hospitalar -intervenção com crianças hospitalizadas: estudo de caso	Ana Branquinho Santos	Department of Pediatrics
A utilidade da Electroencefalograma Frontal na Avaliação da Nocicepção em Doentes submetidos a Anestesia Geral utilizando Redes Neurais	Ana Castro	Department of Anesthesiology
O papel da disbiose intestinal nos surtos de doentes com Esclerose Múltipla	Ana Castro	Department of Neurology

Carcinoma Hepatocelular e preditores de sobrevivência: um estudo retrospectivo em pacientes submetidos a quimioembolização Transarterial	Ana Catarina Pinto	Department of Radiology
Ganho de peso em doentes com infeção por VIH sob terapêutica antiretroviral combinada com inibidores de integrase: caracterização de uma amostra de população	Ana Cerqueira	Department of Infectious Diseases
Gravidez após transplantação renal e hepática: desfechos materno-fetais	Ana Correia	Department of Obstetrics
Changes in patients sleep quality before and after Benign Prostatic Hyperplasia surgery	Ana Correia	Department of Urology
Cancro do pâncreas: marcadores imagiológicos preditores de sobrevivência	Ana Dias	Department of Radiology
Epidemiological characterization of TTR-FAP patients diagnosed in Unidade Corino de Andrade - Centro Hospitalar Universitário do Porto	Ana do Carmo Azevedo	Unidade Corino de Andrade
Prevalence clinical correlates and prognostic significance of left ventricular distolic dysfunction in patients with systemic sclerosis	Ana Escaleira	Department of Cardiology and Multidisciplinary Clinical Immunology Unit
Development, validation and implementation of na NGS gene panel approach for the diagnosis of Renal amyloidosis	Ana Fernandes	Centro de Genética Médica Jacinto Magalhães
Long Term follow up in patients with hyperphenylalaninemia and mild phenylketonuria - nutritional status and cognitive outcomes	Ana Freitas	Department of Food and Nutrition/ Centro de Genética Médica Jacinto Magalhães

Hormonal evaluation during luteal phase in natural cycles and in cycles of ovulation induction (PROLUTEAL)	Ana Galvão	Department of Obstetrics
Cancro do testículo em doentes do Centro Hospitalar do Porto: um estudo retrospectivo	Ana Inês Gomes	Department of Urology and Department of General Surgery
Hormona Anti-Mulleriana como preditor do número de ovócitos obtidos por técnicas de Procriação Medicamente Assistida de 2ª linha	Ana Isabel Reis	Medically Assisted Reproduction Center
Avaliação do impacto dos sistemas de perfusão subcutânea contínua de insulina dos doentes com Diabetes Tipo I seguidos na consulta de Endocrinologia do CHUP	Ana Lopes	Department of Endocrinology
Corioretinopatia Central Serosa VS síndrome Voght-Koyanagi-Harada: Diferença estruturais no OCT	Ana Luísa Marques	Department of Ophthalmology
Demência no Serviço de Urgência	Ana Magalhães	Emergency Department
Caraterização de doentes pós enfarte agudo do miocárdio inseridos na consulta multidisciplinar de dislipidemia do CHUP	Ana Monteiro	Department of Endocrinology
Caraterização dos tumores da hipófise seguidos na consulta da hipófise do CHUP	Ana Mouro	Department of Endocrinology
Sistemas aumentativos de comunicação (SAC's) na Esclerose Lateral Amiotrófica: Aplicabilidade e utilidade dos doentes, cuidadores e profissionais de saúde	Ana Oliveira	Intra-Hospital Palliative Care Support Team

Influência dos ambientes da prática dos enfermeiros de Cuidados Intensivos na satisfação do doente crítico	Ana Rosinhas	Department of Intensive Care
Miopatias hereditárias: desenho e implementação de um protocolo complementar à tecnologia NGS	Ana Silva	Centro de Genética Médica Jacinto Magalhães
O papel da dieta no Lúpus Eritematoso Sistémico - Fenótipo clínico, atividade da doença e correlação com o microbioma	Ana Teixeira	Multidisciplinary Clinical Immunology Unit
Avaliação da massa muscular e suporte nutricional no doente crítico - onde falhamos?	Ana Teresa Mendonça	Department of Intensive Care
Peritoneal protein loss - the clinical impact in peritoneal dialysis patients	Anabela Guedes	Department of Nephrology
Sacro-pelvic anthropometry in the Portuguese population and its implications for screw placement in spinal surgery: a CT - based study	André Mações	Department of Orthopedics
A importância da comunicação entre médico e paciente para o auto-cuidado da Diabetes Mellitus Tipo II	Andreia Monteiro	Department of Endocrinology
O impacto da incontinência urinária na qualidade de vida das mulheres	Andreia Vieira	Department of Urology
Epigenetic regulation of HTERT: Implication in diagnosis and prognosis of salivary gland tumours	António Correia	Department of Pathological Anatomy

Caracterização da atividade de socorro de Corporações de Bombeiros no âmbito da saúde: um estudo comparativo	António Marques	NA
Follow-up de Sarcomas de partes moles: Análise da eficácia do protocolo seguido num centro de referência	António Ribeiro	Department of Orthopedics
Indicadores de exposição em equipamentos de radiologia com aquisição digital direta e indireta	Ariana Nunes	Diagnostic and Intervention Imaging Center
Lesões subepiteliais do trato digestivo: abordagem endoscópica	Bárbara Figueiredo	Department of Gastroenterology
Evolução do Glaucoma em doentes com e sem Polineuropatia Amiloidótica Familiar	Bárbara Neves	Department of Ophthalmology
Os efeitos do tabaco na densidade e perfusão vasculares da retina e da coróide, utilizando a angiografia por tomografia de coerência ótica (OCTA)	Beatriz Cunha	Department of Ophthalmology
Cancro da mama - Efeitos secundários do tratamento e retorno à atividade profissional	Beatriz Madureira	Department of Oncology
Scientific Misconduct and Research Integrity in the development of human research	Carla Figueiro	NA
Desfecho gestacional em grávidas pós-técnicas de procriação medicamente assistida	Carlos Braga	Department of Gynecology/ Department of Obstetrics

Relação entre epilepsia terapêutica anticonvulsionante e glioblastomas: o que têm em comum?	Carolina Coutinho	Department of Neurosurgery
Consultoria Assistencial em Bioética Clínica na realidade das Comissões de Ética Portuguesas	Catarina Gonçalves	NA
Macrotrombocitopenias hereditárias. Bases genéticas, fenotípicas e funcionais	Catarina Monteiro	Department of Clinical Hematology / Centro de Genética Médica Jacinto Magalhães
Stone Characteristics as Predictors of Total Holmium Laser Shock and Energy Used in Flexible Ureteroscopic Lithotripsy - Retrospective Study	Catarina Reis	Department of Urology
Estado funcional e qualidade de vida como objetivos no tratamento Glioblastoma	Cátia Silva	Department of Neurosurgery
Hepatotoxicidade associada à terapêutica com inibidores do checkpoint imunológico: experiência de um centro terciário	Cláudia Cardoso	Department of Oncology
Trends on neonatal hospitalizations: a 10-year nationwide big data analysis	Cláudia Magalhães	Department of Pediatrics / Neonatal Intensive Care Unit
Evaluation of genetic instability in obstructive airways diseases: the putative role of oxidative stress	Cláudia Oliveira	Department of Internal Medicine / Emergency Department
Doppler das artérias carótidas internas fetais durante a gravidez	Cristiana Moreira	Department of Obstetrics

Papel e relevância da urofluxometria na abordagem inicial da Paramiloidose Amiloidótica Familiar tipo I	Daniela Fernandes	Department of Urology
Qualidade de vida e literacia em doentes com glaucoma	Daniela Santos	Department of Ophthalmology
Auditoria clínica ao circuito do medicamento e ao uso de medicamentos “Look Alike Sound Alike”	Débora Marques	Quality Division
Avaliação da qualidade de vida em mulheres com endometriose após abordagem laparoscópica - estudo longitudinal prospetivo	Diana Leitão	Department of Gynecology
Avaliação do tratamento da infeção VIH no CHUP em doentes em início do tratamento da terapêutica antiretroviral em 2016 e 2017	Diana Machado	Department of Infectious Diseases
Acupuntura na Artrite Reumatóide - Correlação entre Biomarcadores Moleculares, Índice de Actividade da Doença e Mobilidade do Punho	Diana Seixas	Multidisciplinary Clinical Immunology Unit
A pessoa dependente no autocuidado com potencialidade para melhorar - construção e validação de um instrumento de avaliação da potencialidade no domínio dos processos psicológicos	Elisabete Silva	Department of Urology/ Department of Orthopedics
O posicionamento do doente com Acidente Vascular Cerebral - um olhar sobre as práticas	Emília Pinto	Department of Neurology
Qualidade de vida e satisfação dos adolescentes com diabetes tipo 1 e família, em relação ao tratamento com sistema de infusão subcutânea contínuo de insulina	Ester Silva	Department of Pediatrics

The role of HDAC8 gene and its collaborators in the maintenance of mitotic spindle's fidelity	Flávia Santos	Centro de Genética Médica Jacinto Magalhães
Análise económica e de custo-benefício da implementação de “packs cirúrgicos” no Centro Hospitalar Universitário do Porto (CHUP)	Flávia Simone	Operating Room / Outpatient Surgery Center
Controlo metabólico e fatores psicossociais em doentes Fenilcetonúricos, em seguimento no Centro Hospitalar Universitário do Porto, antes e após a comparticipação total dos produtos diatéticos utilizados no seu tratamento nutricional	Francisca de Morais	Centro de Genética Médica Jacinto Magalhães
Cancro da próstata e tratamentos inovadores	Francisco Botelho	Department of Urology/ Department of Oncology
Avaliação do impacto do perfil de inativação do cromossoma X na manifestação fenotípica de doenças hereditárias do metabolismo da mulher	Francisco Laranjeira	Centro de Genética Médica Jacinto Magalhães
Hemorragia subaracnóideia aneurismática: tratamento cirúrgico - Caracterização de uma coorte de doentes tratados no Centro Hospitalar Universitário do Porto entre 2009 e 2018	Inês Magalhães	Department of Neurology
Comunicação na Prática Clínica - a Perceção dos Doentes Oncológicos	Isabel Almeida	Department of Oncology / Department of Clinical Hematology / Multipurpose Day Hospital
Characterization of glycosylation in gastric cancer and clinicopathological correlation analysis	Isabel Mesquita	Department of General Surgery
Alterações da qualidade do sono em indivíduos com LUTS: avaliação da qualidade de vida e função sexual	Joana Araújo	Department of Urology

Does modified Valsalva maneuver changes tympanogram?	Joana Carvalho	Department of Otorhinolaryngology
Retorno venoso pulmonar fetal	Joana Dias	Department of Obstetrics
Impacto dos hábitos tabágicos do casal na técnicas de procriação medicamente assistida de 2ª linha	Joana Dias	Medically Assisted Reproduction Center
Paediatric palliative care – the importance of a planned transition to adult care	Joana Ferreira	Department of Internal Medicine /Department of Pediatrics
Desenvolvimento e avaliação de uma Via Verde Cuidados Paliativos	Joana Rente	Intra-Hospital Palliative Care Support Team
Weekend nonvariceal acute upper gastrointestinal bleeding - an additional risk?	João Cruz	Department of Gastroenterology
Conhecimentos, atitudes e crenças sobre o enfarte agudo do miocárdio e sua relação com o uso de veículos de emergência médica - comparação entre doentes com enfarte agudo do miocárdio prévio e população geral	João Faria	Department of Cardiology / Department of Orthopedics
Dor crónica e qualidade de vida nos sobreviventes de cancro	João Gonçalves	Department of Oncology
Papel dos corticosteroides no risco de recidiva e sobrevivência global em doentes diagnosticados com glioblastoma: uma análise retrospectiva de 8 anos	João Henrique	Department of Neurosurgery

Quistos ósseos peri-operatórios após prótese total do tornozelo	João Vieira	Department of Orthopedics
Avaliação da dor no doente crítico não responsivo	Joaquim Alves	Department of Intensive Care
A importância da gestão do stress enquanto fator motivacional no CHUP	Jonazett Menezes	NA
Impacto do levante precoce nos resultados pós-operatórios do Hematoma Subdural Crónico	Jorge Antunes	Department of Neurosurgery
Síndrome da dor pós-mastectomia: estudo multicêntrico internacional	José Menezes	Department of Anesthesiology
Assinatura genómica do tecido adiposo perirenal e a sua correlação com a agressividade do carcinoma de células renais	José Preza Fernandes	Department of Urology
Membranous Nephropathy: Anatomico-Clinical Characterization, Therapeutic Interventions and Outcomes	José Rodrigues	Department of Nephrology
Variáveis modificadoras de sucesso em transplante hepático	José Rodrigues	Department of Anesthesiology
Consequences of weight gain in people living with HIV on ARV treatment	Josefina Mendez	Department of Infectious Diseases

Detection of suspicious activities on EHR of healthcare organizations based on logs on HIS applying a Bayesian Network model	Liliana Correia	NA
Insight into the diagnosis of voiding dysfunction in women	Luís Monteiro	Department of Urology
Volume renal restante como preditor da taxa de filtração glomerular após nefrectomia para doação renal	Luís Pinto	Department of Urology
Otimização do valor em saúde no follow-up das mulheres com cancro da mama em Portugal	Margarida Bandarra	Department of Oncology
“Internal Systemic” and Integrative Psychotherapy in Lung and Breast Cancer	Maria Agelina Pereira	Department of Oncology
Determinação dos fatores preditivos da remissão da Diabetes Mellitus tipo 2 em doentes submetidos a cirurgia bariátrica no Centro Hospitalar Universitário do Porto	Maria Brandão	Department of Endocrinology
A validação clínica de um teste olfativo na esclerose múltipla	Maria Carvalho	Department of Neurology
Opiniões e atitudes dos profissionais de saúde, face à doença mental em diferentes serviços de um Hospital Geral	Maria Isabel Martins	NA
Hospital Logistics System: Gestão do Material Médico Hospitalar no Serviço de Traumatologia Crânio Encefálico do Centro Hospitalar Universitário do Porto	Maria Marlene Luz	Department of Neurosurgery

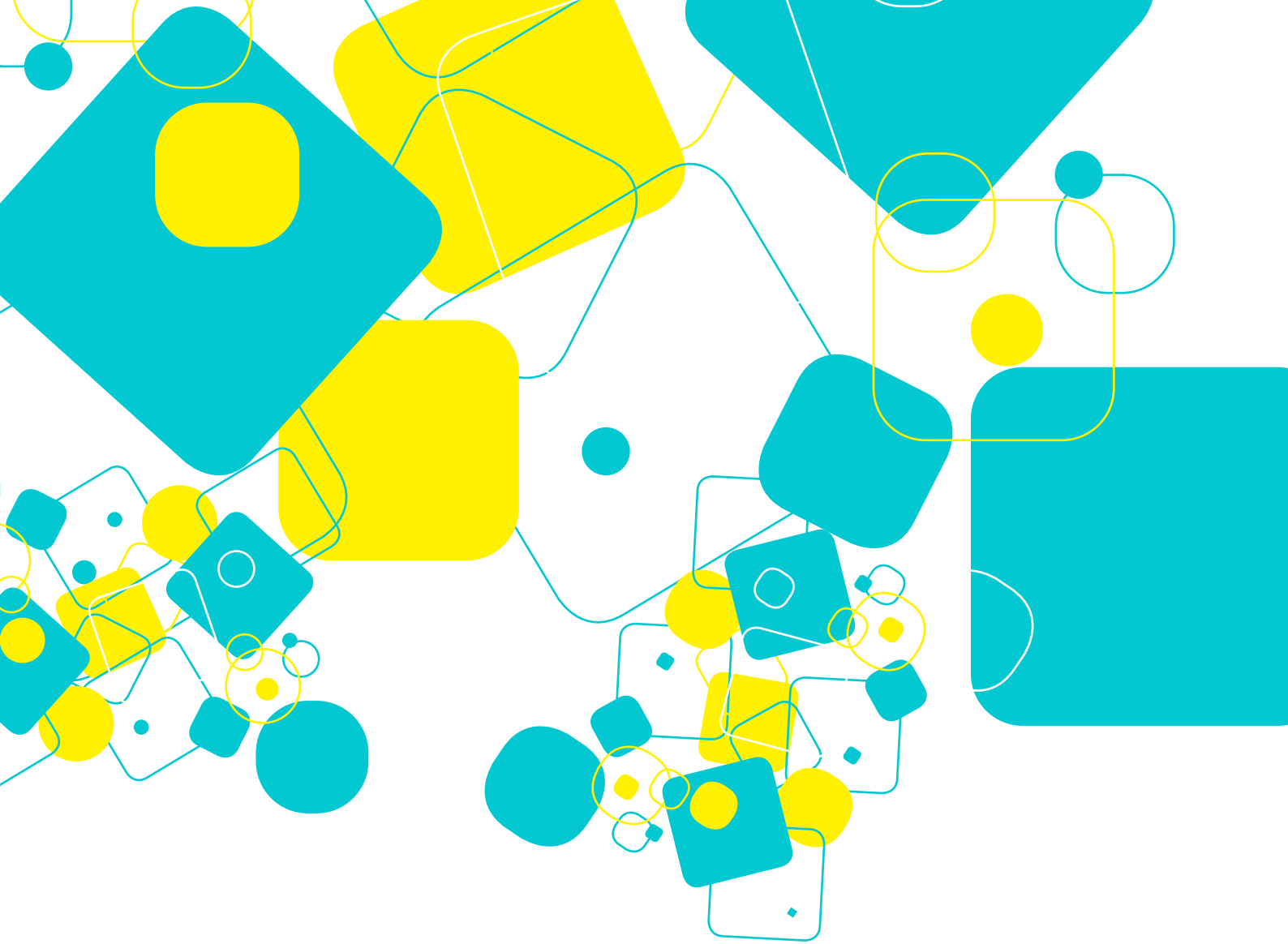
estágio 6º ano MIM Maria Mafalda Rodrigues de Freitas Meneses Osório	Maria Osório	Department of Gastroenterology
Detection cognitive impairment through a quantitative electroencephalogram analysis: a prospective cohort study of elderly surgical patients	Mariana Dias	Department of Anesthesiology
Predictors and outcomes of infection in patients treated ST-elevation myocardial infarction with primary percutaneous coronary intervention	Mariana Santos	Department of Cardiology
Influência de fatores genéticos e epigenéticos na suscetibilidade para a retinopatia da prematuridade e sua progressão	Mariza Martins	Neonatal Intensive Care Unit / Department of Ophthalmology
Risco de cancro renal em indivíduos com infeção crónica por vírus da hepatite C	Marta Martins	Department of Urology
Tratamento de infeções periprotésicas em revisão a um ou dois tempos - resultados de um protocolo institucional	Matilde Gonçalves	Department of Orthopedics
Doença linfoproliferativa pós-transplante em transplantes renais e hepáticos no CHUP: estudo retrospectivo de caracterização clínica, laboratorial e de prognóstico	Miguel Neto	Department of Clinical Hematology
Saúde oral, perda dentária, hiperfosfatemia e variação do FGF-23 em pacientes com insuficiência renal crónica	Naiara Neves	Department of Nephrology
Análise de perfis de consumo de exames baseados em imagem médica em ambiente hospitalar	Nuno Pinto	Department of Radiology

Estado nutricional de doentes com amputação do membro inferior	Paula Delgado	Department of Food and Nutrition/ Department of Angiology and Vascular Surgery
Impact of psychosocial factors and medical and surgical therapy in sexual function of patients with endometriosis	Paula Oliveira	Department of Gynecology/ Department of Obstetrics
Metabolic alterations in rectal cancer: how it influences aggressiveness, response to treatment and prognosis	Pedro Nuno Brandão	Department of General Surgery/ Department of Oncology / Centro de Genética Médica Jacinto Magalhães/ Department of Pathological Anatomy
Endoscopy timing in patients with Acute Variceal Bleeding: how urgent should it be?	Pedro Pinto	Department of Gastroenterology
Relação entre a toma de antidepressivos e ansiolíticos pré operatória e o tempo de internamento pós-operatório: estudo retrospectivo em pacientes submetidos a histerectomia abdominal	Pedro Ponte	Department of Anesthesiology
Association Between Primary Raynaud´s Phenomenon and Migraine: Prevalence and Clinical Predictors	Raquel Oliveira	Multidisciplinary Clinical Immunology Unit
Development, Validation and Implementation of an NGS gene panel approach for the diagnosis of primary immunodeficiencies	Raquel Silva	Centro de Genética Médica Jacinto Magalhães
Síndrome de Treacher Collins - Comparação de resultados audiológicos e protocolos de reabilitação auditiva em gémeos e não gémeos portadores do Síndrome	Ricardo Batista	Department of Otorhinolaryngology

Reabilitação vocal e meio aquático: estudo longitudinal	Rita Alegria	Department of Otorhinolaryngology
Concordância Intra e Inter-individual na Avaliação da Composição Corporal por Ecografia em doentes Críticos	Rita Cabral	Department of Intensive Care
Application of the Bethasda System in thyroid fine-needle aspiration and its correlation with final histopathology	Rita Lopes	Department of General Surgery
Papel da biópsia de glândula salivar para o diagnóstico do início sintomático na Polineuropatia Amiloidótica Familiar por TTR Val30Met	Rui Lopes	Department of Neurophysiology / Neuropathology Unit
A influência e a experiência do neurocirurgião na avaliação pré-clínica pré-operatória na tomada de decisões e na previsão de outcomes funcionais em cirurgias de glioblastomas	Rui Maciel	Department of Neurosurgery
Malária - Revisão retrospectiva de casos hospitalizados no Centro Hospitalar Universitário do Porto	Rui Ribeiro	Department of Intensive Care
Prevalência e gravidade do síndrome da apneia obstrutiva do sono (SAOS) na obesidade. Existem fatores preditores?	Samuel Costa	Department of Endocrinology
Avaliação do risco de Diabetes Mellitus tipo 2 nos funcionários do Centro Hospitalar Universitário do Porto	Samuel Pinto	NA
Avaliação dos resultados do bypass gástrico no tratamento de doentes obesos com diabetes mellitus tipo 2 num centro de referência do tratamento cirúrgico da obesidade	Sandra Correia	Department of Endocrinology

Efeitos da Pan-fotocoagulação na qualidade de vida: HD Analyzer	Sara Andrade	Department of Ophthalmology
Complicações da Ventilação Não Invasiva na Insuficiência Respiratória Aguda: Casuística de uma Unidade de Cuidados Intermédios e Protocolo de Abordagem	Sara Araújo	Department of Intensive Care
A importância das famílias nos cuidados de enfermagem: atitudes dos enfermeiros em contexto pediátrico	Sara Lemos	Department of Pediatrics
Sclerotherapy with Polidocanol Foam versus Rubber Band Ligation versus Hemorrhoidal Artery Ligation with Recto Anal Repair (HAL-RAR) in the treatment of Second and Third-Grade Hemorrhoidal Disease: a Prospective Study	Sara Neves	Department of Gastroenterology
Cuidados paliativos na doença hepática avançada - estudo prospetivo sobre as necessidades paliativas e possibilidades de integração de cuidados a partir de um hospital universitário português e centro de transplantação	Sara Silva	Department of Internal Medicine/ Department of Gastroenterology / Department of Infectious Diseases/ Department of Intensive Care
Competências emocionais dos Enfermeiros no cuidar da pessoa em situação crítica	Sara Soeima	Department of Intensive Cares
O conhecimento e as práticas dos enfermeiros na prevenção da infeção relacionados com o cateter venoso central	Sílvia Henriques	Department of Neurosurgery
Comunicação na redução de sintomas de stresse no utente com síndrome coronário agudo submetido a intervenção coronária percutânea primária	Sílvia Nunes	Department of Cardiology

<p>The clinical impact of Rockall and Glasgow-Blatchford Scores in Nonvariceal Upper Gastrointestinal Bleeding</p>	<p>Susana Maia</p>	<p>Department of Gastroenterology</p>
<p>The impact of atmospheric conditions on ST-elevation myocardial infarction's prevalence and mid term outcomes in a tertiary centre in Oporto</p>	<p>Susete Vieira</p>	<p>Department of Cardiology</p>
<p>Avaliação dos indicadores de qualidade EUSOMA na abordagem ao cancro da mama, na Unidade da Mama do CHUP</p>	<p>Tiago Soares</p>	<p>Department of General Surgery – Breast Unit</p>
<p>Análise financeira de uma Equipa Médica dedicada no Serviço de Urgência : Custo ou Benefício?</p>	<p>Tomás Martins</p>	<p>NA</p>
<p>Necessidades de conforto da pessoa submetida a ventilação mecânica invasiva</p>	<p>Vânia Peixoto</p>	<p>Multipurpose Intensive Care Unit</p>



# 12. CHUP TEAMS & RE- SEARCH GROUPS

## RESEARCH GROUPS

Centro Hospitalar Universitário do Porto is the host institution for Research Groups integrated in the Multidisciplinary Biomedical Research Unit of Instituto de Ciências Biomédicas Abel Salazar (UMIB, [www.icbas.pt](http://www.icbas.pt)) of the University of Porto. UMIB is a Research and Development Unit funded by Fundação para a Ciência e Tecnologia.

Groups with a Principal Investigator from CHUP

- [Clinical & Experimental Hematology & Immunopathology](#)  
Principal Investigator: Margarida Lima. Department of Clinical Hematology, Medicine Division, CHUP
- [Clinical & Experimental Human Genomics](#)  
Principal Investigator: Paula Jorge. Centro de Genética Médica Jacinto de Magalhães, CHUP
- [Nephrology, Dialysis and Transplantation](#)  
Principal Investigator: Anabela Rodrigues. Department of Nephrology, Medicine Division, CHUP
- [Oncology Research Group](#)  
Principal Investigator: António Araújo. Department of Oncology, CHUP

Group:

- [Auto-Immunity & Neurosciences](#)  
Principal Investigator: Berta Martins da Silva. Pathology and Molecular Immunology Division, ICBAS-UP  
Comprises 20 CHUP investigators.

## CHUP MULTIDISCIPLINARY TEAMS

CHUP hosts several multidisciplinary teams with specific scientific interests and research areas. The organization in multidisciplinary teams makes it possible to establish lines of research and increase scientific production. In 2019, CHUP had the following multidisciplinary teams:

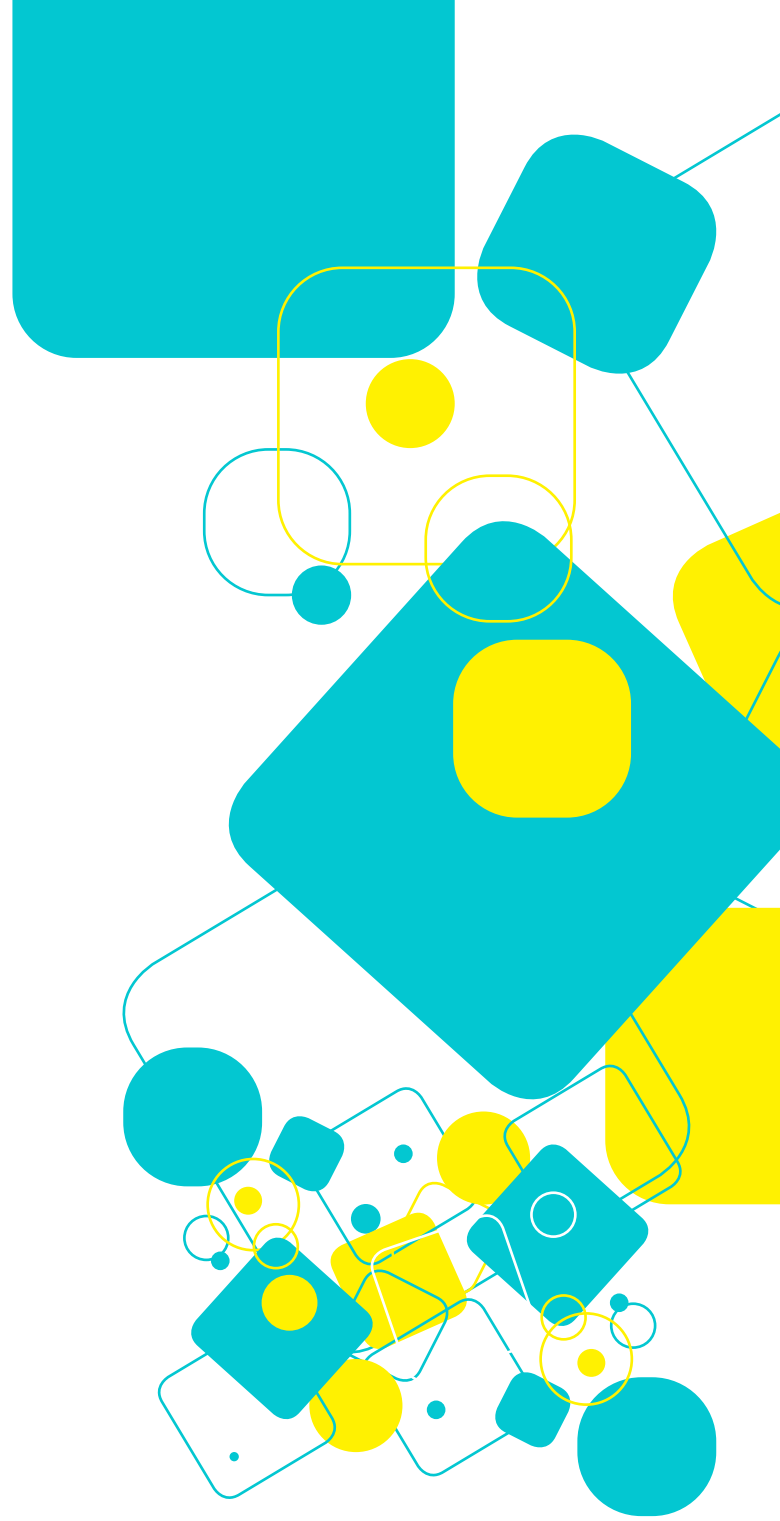
- **[Clinical Research in Anesthesiology](#)**  
Principal Investigator: Catarina Nunes. Department of Anesthesiology, Anesthesiology, Intensive Care, and Emergency Division
- **[Research in Hereditary Metabolic Disorders](#)**  
Principal investigator: Esmeralda Martins. Department of Pediatrics, Childhood and Adolescence Division
- **[Hemochromatosis and HFE](#)**  
Principal Investigator: Graça Porto. Department of Clinical Hematology, Medicine Division
- **[Research in Immunoallergology](#)**  
Investigator: Helena Falcão. Department of Immunoallergology, Medicine Division
- **[Intensive Care](#)**  
Principal Investigator: Irene Aragão. Multipurpose Intensive Care Unit, Department of Intensive Care, Anesthesiology, Intensive Care, and Emergency Division
- **[Research in Digestive and Metabolic Surgery](#)**  
Investigator: Jorge Santos. Department of General Surgery, Surgery Division
- **[Research in Clinical Neurology](#)**  
Principal Investigator: Manuel Correia. Department of Neurology, Neurosciences Division
- **[Research in Dermatology](#)**  
Principal Investigator: Manuela Selores. Department of Dermatology, Medicine Division
- **[Anemia Pathophysiology](#)**  
Principal Investigator: Maria Alice Santos Silva. Faculty of Pharmacy
- **[Postoperative Complications of Colorectal Surgery Study Group](#)**  
Principal Investigator: Marisa Santos. Department of General Surgery, Surgery Division
- **[3IDD – Intellectual Development Disorder](#)**  
Principal Investigator: Paula Jorge. Medical Genetics Center
- **[INeuroPED – Research in Neuropediatrics: autism spectrum disorder, epilepsy, and movement disorders](#)**  
Principal Investigator: Teresa Temudo. Department of Neuropediatrics, Childhood and Adolescence Division

- **Laboratory of Neurobiology of Human Behavior**

Principal Investigator: Sara Cavaco. Neuropsychology Unit, Neurosciences Division

- **End of Life Care**

Principal Investigator: Paulo Maia. Department of Intensive Care, Anesthesiology, Intensive Care, and Emergency Division



# 13. MEETINGS AND COURSES AT DEFI FACILITIES

During 2019, several scientific meetings and training courses were held at DEFI facilities. DEFI was responsible for providing logistical and audiovisual support, and DEFI Training Centre organized training courses to support research in the areas of clinical trials, biostatistics, and library. Meetings and events of particular institutional interest are highlighted below:

---

Personal Data Protection - Technical Assistant with customer service

---

1st Edition of the "Practical Up-To-Date Course on Orthopedic Infection - Diagnostic Approach and Treatment of Prosthetic Joint Infection"

---

1st Eating Disorders Meeting of CMIN

---

1st National Meeting of Acute Myocardial Infarction Survivors

---

2nd Meeting of the Center for Respiratory Disease Studies - Pre-Meeting Courses

---

5th Seminar on Transplantation in Nursing

---

5th POSTGRADUATE COURSE IN ONCOLOGY FOR GP AND YOUNG ONCOLOGISTS

---

7th Update Course on Anatomic Pathology

---

Book Presentation: "O Esfaqueador da Régua" (The Stabber of Régua)

---

Assessment and Treatment of Acute Pain

---

Biostatistics

---

Good Practices of Infection Control and Antimicrobial Resistance

---

Medicine Circuit

---

Late Afternoon Talks - "Patient Blood Management (PBM)"

---

Course on Acute Complications of Cirrhosis

---

Continuing Education in Nephrology I

---

---

Continuing Education in Nephrology II

---

Training Course for Young Intervention Cardiologists

---

Acute Hepatitis Course

---

Nutrition Course

---

Course in Endocrine Urgencies and Emergencies

---

Pre and Post 'Porto Intensive Care Medicine Days' Course - Antimicrobial Course

---

Pre and Post JMIP Course - DOPPLER Course

---

Stedicare Course

---

Stedinem Course

---

Research Study Design

---

World Hypertension Day: "Open Day" - Workshop

---

Organ Donation and Tissue Transplantation - Good practices

---

Ethics and humanization in health care

---

Excel Essentials

---

FitTalks - Sports and Health Course

---

Training of Trainers

---

IBM - SPSS

---

Pelvic Imaging - An Interdisciplinary Perspective

---

Infections and Antibiotic Resistance - An Inevitable Management Challenge

---

International Trauma Life Support

---

Book launch: "Mia - sublime razão (Mia - sublime reason)"

---

Continuous Quality Improvement: Root Cause Analysis and Management

---

Mendeley

---

---

Microsoft Excel - Advanced

---

Microsoft Word - Advanced

---

Microsoft Word - Beginners

---

Minimally Invasive Kidney and Adrenal Surgery Course

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Hepatic Radiology Module

---

Electrocardiographic Monitoring

---

Neuroporto. - 10 Years of CHUP Neuropsychology Unit - Dementias

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Neuroporto. - 10 Years of CHUP Neuropsychology Unit - Parkinson's disease

---

Neuroporto. - 10 Years of CHUP Neuropsychology Unit - Memory

---

Neuroporto. - 10 Years of CHUP Neuropsychology Unit - Neuropsychological Rehabilitation

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Neuroporto. - Neuromuscular diseases - A multidisciplinary approach

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Neuroporto. - Treatment of acute stroke at the CHUSJ-CHU Reference Center

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Testicular cancer

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Co-creation Workshops - Violence Against Health Professionals

---

Pink October - Talking about breast cancer

---

Prevention of Surgical Site Infection

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Prevention of Musculoskeletal Injuries

---

Personal Data Protection

---

Quality and safety in healthcare

---

Information Session - Lung Cancer

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Patient classification system in Nursing

---

Integrated System for Management of Patients Scheduled for Surgery - Classification of episodes in SIGIC

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---

Pediatric Advanced Life Support

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Basic Life Support

---

Neonatal Life Support

---

Emergency Priority Triage - Manchester System

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5th meeting of the Internal Auditors of SNS Hospitals and ILSs

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Video conference - "State of the World's Nursing Report Webinar"

---

Video conference - Dr. Paula Jorge

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Video conference - Ptcrin

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Workshop - Eco Talks

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Workshop - CHUP Information Systems

---

Workshop - Electronic Medical Record

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XI Heart and Family Meeting

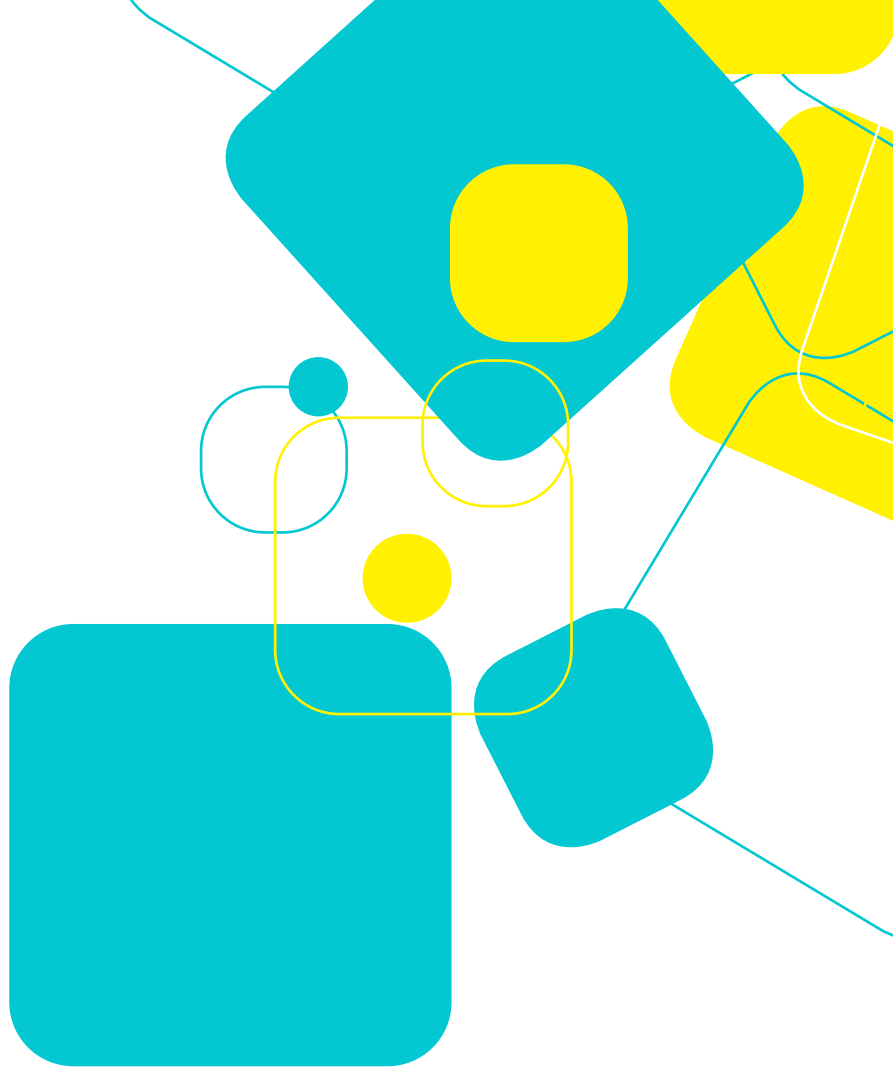
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XIV ANEM Symposium

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XX Epilepsy Surgery Forum

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# 14. DEFI APPLICATIONS

## PLATFORM FOR REGISTRATION OF EDUCATION, TRAINING, AND RESEARCH ACTIVITIES

The Registry of Education, Training, and Research Activities (REFI) is a platform for dedicated use by CHUP professionals, where they can individually register and manage information about their curricular, scientific, academic, and professional qualifications. REFI was developed by DEFI's IT department in 2011. The project was driven by the need to create a dynamic, secure, and user-friendly infrastructure in CHUP, in collaboration with the Department of Information Systems. The ease of use of the platform is a commitment to registration, allowing personal access control and monitoring of the global reports of the departments by their managers. The Sollari Allegro Awards, directed to the departments, are granted based on the information recorded in the REFI platform. REFI can be accessed online through the CHUP intranet or at the following address: <https://myipbrick.chporto.min-saude.pt/>.

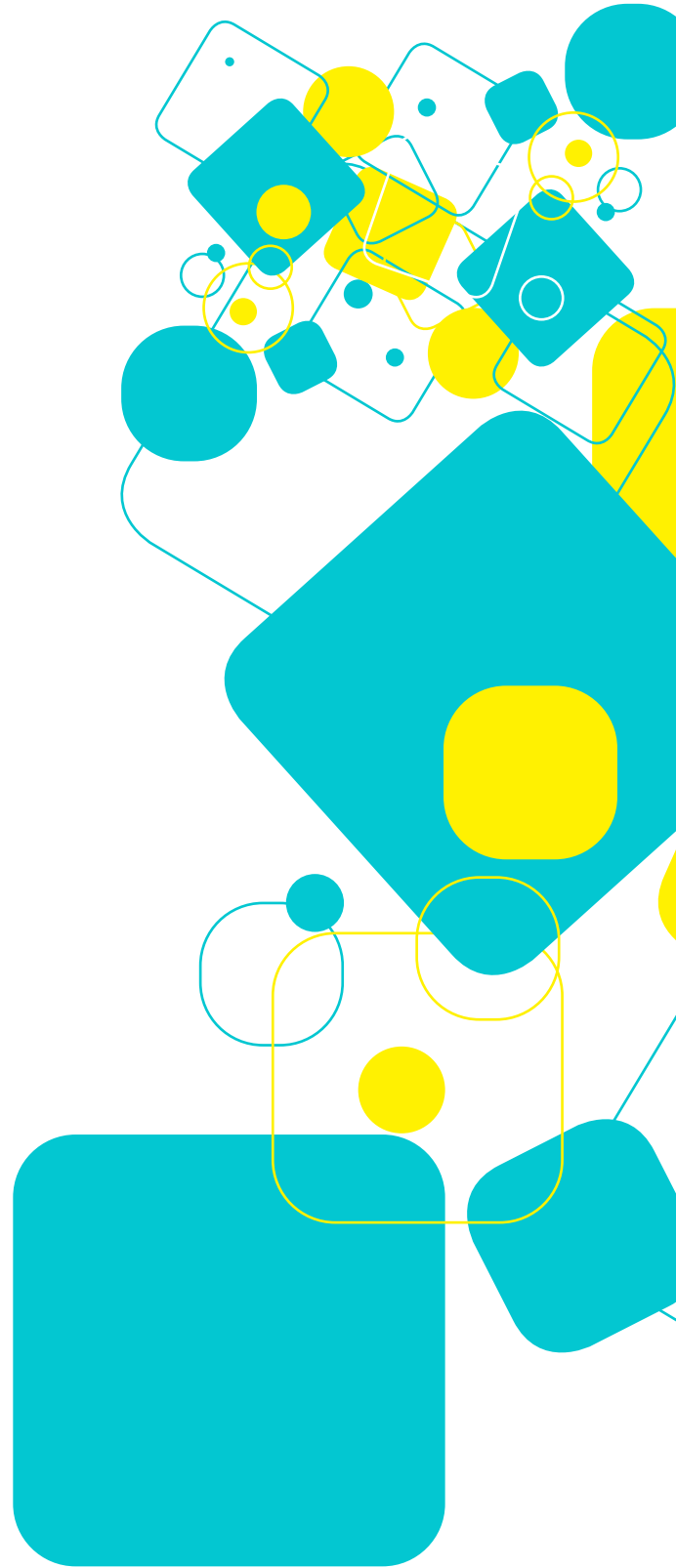
## SCIENTIFIC REPOSITORY OF CENTRO HOSPITALAR DO PORTO

Since 2010, Centro Hospitalar Universitário do Porto has a scientific repository integrated in the Open Access Scientific Repository of Portugal (RCAAP). It stores around 1,850 scientific documents produced by CHUP professionals, which are made available online to the entire community. The Scientific Repository of Centro Hospitalar do Porto (RCCHP) aims to electronically collect, preserve, and disseminate the scientific production of CHUP professionals, thus contributing to its greater visibility within the community. The RCCHP is available online at the following address: [repositorio.chporto.pt](http://repositorio.chporto.pt).

## DEFI WEBSITE

CHUP is a health care organization dedicated to the promotion of scientific knowledge, quality of care, and historical preservation. The institution's strong commitment to education, training, and research raised the need to develop a direct communication channel with the community in matters related to these areas.

DEFI website has been developed with this goal in mind, with the purpose of being the main communication channel between the department and the outside community. It can be accessed at the following address: [defi.chporto.pt](http://defi.chporto.pt).



# 15. DEFI/CHUP EDITIONS

## REVISTA NASCER E CRESCER – BIRTH AND GROWTH MEDICAL JOURNAL

NASCER E CRESCER - Birth and Growth Medical Journal is the scientific journal of Centro Hospitalar Universitário do Porto. It is written in English and has been published quarterly since 1991. NASCER E CRESCER is listed in EMBASE/ Excerpta Médica, LATINDEX system, and Index of Portuguese Medical Journals, and is indexed in SciELO. The journal's target audience is health professionals and the scientific community interested in maternal-fetal, neonatal, and pediatric health. Its main goal is to disseminate scientific knowledge and promote health research. The journal publishes original articles, reviews, clinical cases, opinion articles, and proceedings of scientific meetings.

Articles published in NASCER E CRESCER are available under the Creative Commons Attribution-Noncommercial 4.0 International License. The management of scientific content is the responsibility of the journal's Editorial Board.

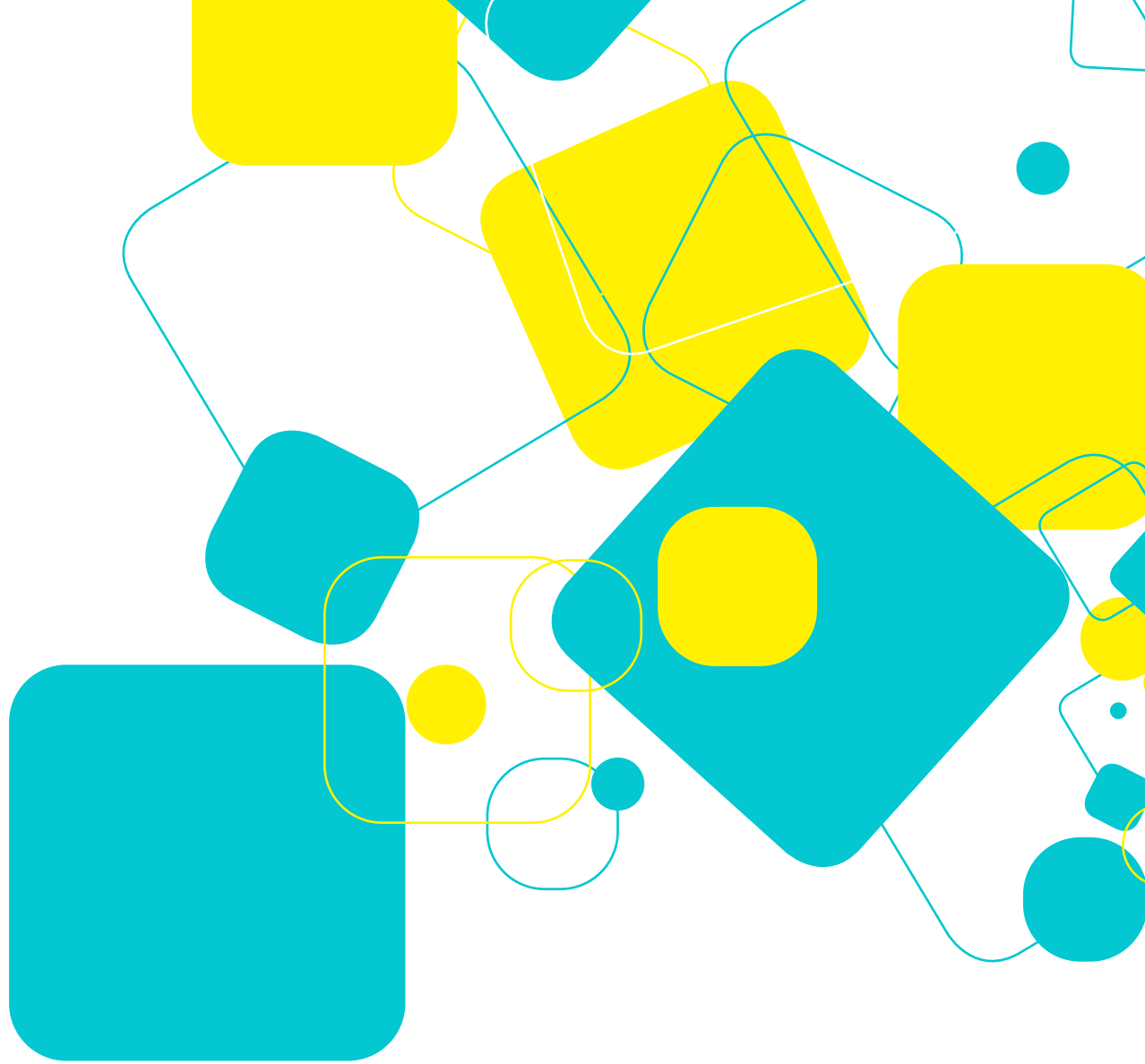
NASCER E CRESCER can be accessed at the following address: [revistas.rcaap.pt/nascercrescer](http://revistas.rcaap.pt/nascercrescer).

## SCIENTIFIC YEARBOOK

The Scientific Yearbook is published periodically by DEFI. The Yearbooks can be accessed through the DEFI website ([defi.chporto.pt](http://defi.chporto.pt)) and through the internal website of Centro Hospitalar Universitário do Porto. Scientific Yearbooks are also stored in the Scientific Repository of CHUP ([repository.chporto.pt](http://repository.chporto.pt)).

## NEWSLETTER

In 2017, DEFI initiated the regular publication of its research newsletter under the title DEFI NEWS. CHUP is a health institution that recognizes and values undergraduate and graduate education and fosters research, with the aim of contributing to the development of health sciences and technologies. DEFI NEWS was created with the aim of disseminating and promoting the R&D activities of the institution, as well as supporting the internal structures that sustain and support them. Previous issues can be consulted on the DEFI website ([defi.chporto.pt](http://defi.chporto.pt)).



# 16. AFFILIATION RULES

## STANDARDIZATION OF INSTITUTIONAL AFFILIATION

The correct use of institutional affiliation is essential for CHUP and its professionals to have greater national and international visibility and to receive due credit for their work and for the citations of their publications. In order to avoid the heterogeneity of references, the Administration Board has issued a clarification document that provides a set of rules for the standardization of institutional affiliation.

For scientific publication or communication purposes:

1. The institutional name “Centro Hospitalar Universitário do Porto” is adopted, waiving the legal entity abbreviation (EPE). The name is mandatory and should not be translated into English or other languages, except in the case of journal requirements. The acronym “CHUP” should be placed at the end, in brackets, if the publication rules allow it.
2. The use of names of major units within the hospital center is optional. If used, they should not be translated and should be written as follows:
  - a. Hospital de Santo António (HSA).
  - b. Centro de Genética Médica Jacinto Magalhães (CGMJM).
  - c. Centro Integrado de Cirurgia de Ambulatório (CICA).
  - d. Centro Materno-Infantil do Norte Albino Aroso (CMIN).

References to departments, divisions, and units are optional, and their names may be translated into the manuscript language.

The general postal address is: Largo do Professor Abel Salazar, 4099-001 Porto, Portugal. It shall not be translated. The use of “Oporto” designation is a source of error and misinterpretation in bibliographic databases.

Authors must use a consistent personal name that does not change in terms of initials, first name, last name, or use of hyphens, so that their work is uniquely attributed to them throughout their careers and to avoid errors in authorship assignment by international databases. The author profile can be strengthened by linking to a personal account at <http://orcid.org>.

In multicenter studies or studies with authors affiliated to other institutions, authors with an employment contract of any kind should include CHUP in their scientific affiliation.

Examples of affiliations:

### Português

José Silva<sup>1</sup>

<sup>1</sup> Serviço de Nefrologia, Hospital de Santo António, Centro Hospitalar Universitário do Porto (CHUP), Porto, Portugal

### English

José Silva<sup>1</sup>

<sup>1</sup> Department of Nephrology, Hospital de Santo António, Centro Hospitalar Universitário do Porto (CHUP), Porto, Portugal

**Other affiliations:**

Centro de Genética Médica Jacinto Magalhães, Centro Hospitalar Universitário do Porto (CHUP), Porto, Portugal  
Centro Materno-Infantil do Norte, Centro Hospitalar Universitário do Porto (CHUP), Porto, Portugal

## AUTHORSHIP IN SCIENTIFIC PUBLICATIONS

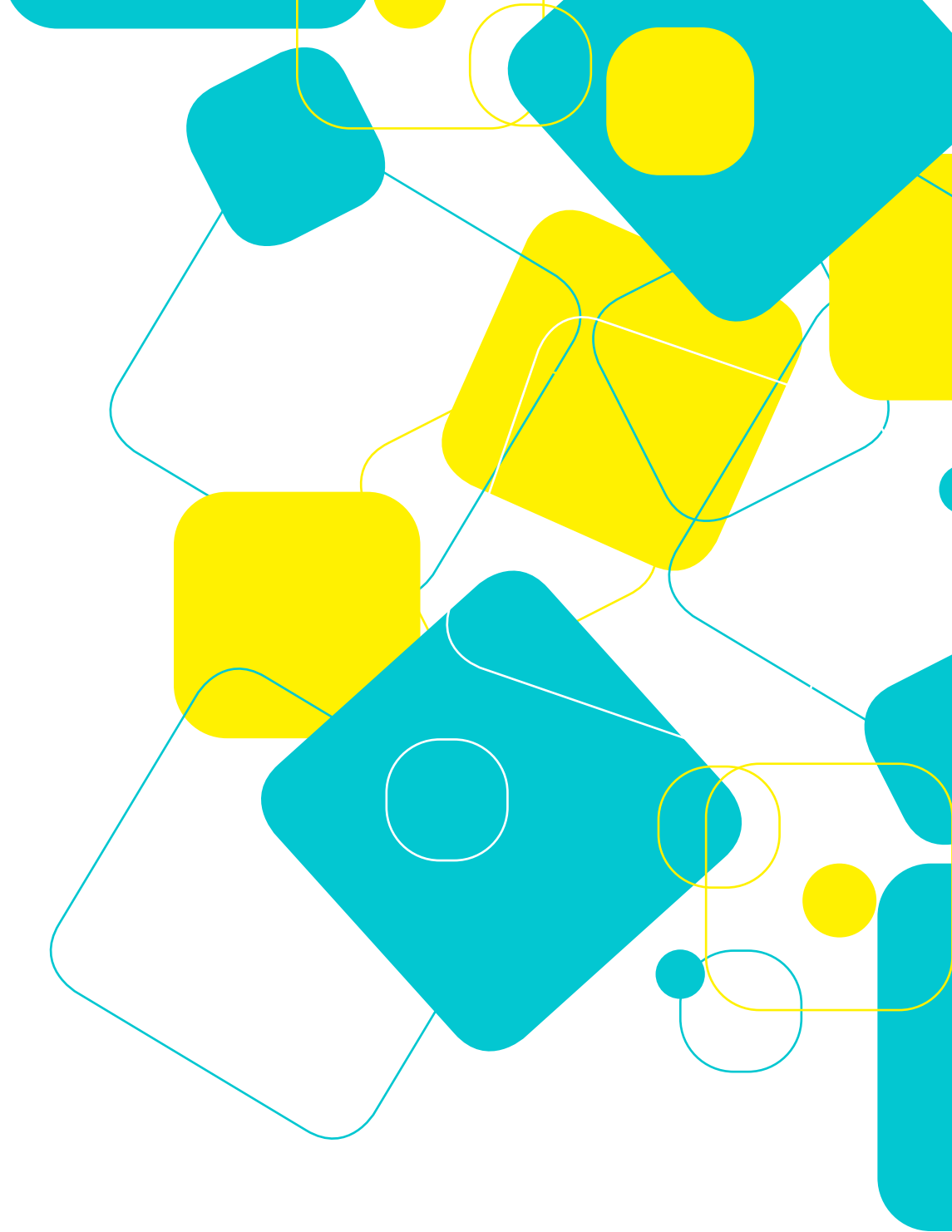
Scientific authorship is a commitment to the professional, editorial, and scientific community, not an absolute right of a research team, department, or others. Consequently, the criteria for authorship in scientific articles should be based on the “Uniform Requirements for Manuscripts Submitted to Biomedical Journals” of the International Committee of Medical Journal Editors (ICMJE),<sup>1</sup> whereby authorship or co-authorship cumulatively require:

1. Contribution to the study conception or design; participation in data acquisition, analysis, and interpretation;
2. participation in drafting and critical revision of the manuscript;
3. approval of the final version of the manuscript for publication;
4. responsibility for the accuracy and integrity of the study.

Authors must meet the specific authorship criteria, and the order of authors in the manuscript should conform to ethical standards. Authors should not be included solely on the basis of their institutional role. All individuals/subjects who contributed to the article and do not meet the criteria for authorship should be listed in the Acknowledgments section.

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<sup>1</sup> Recommendations for the Conduct, Reporting, Editing, and Publication of Scholarly work in Medical Journals [consultado a 30-12-2019]. Disponível em: <http://www.icmje.org/icmje-recommendations.pdf>



# 17. ACKNOWLEDGEMENTS

DEFI Board of Directors and the Department of Clinical Research acknowledge CHUP authors and investigators who contributed to the Yearbook. On February 13, 2019, the Board of Directors appointed Prof. Maria Helena Cardoso, Senior Graduate Assistant in Endocrinology and Invited Associate Professor at Instituto de Ciências Biomédicas Abel Salazar of the University of Porto, as Chair of the Fellowship and Awards Committee. The members of the Committee and its Secretary were reappointed. DEFI acknowledges the dynamism and work of the Committee, which greatly contributed to the fruitful discussion and recognition of merit of its professionals. We thank the Training Center for its outstanding cooperation in organizing courses, workshops, and scientific congresses. Finally, we thank Dr. Sílvia Álvares, Director of Birth and Growth Medical Journal, and its Editorial Board and Reviewers for their efforts and commitment to the regular editing and publication of the Journal.

# DEFI

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**Supervising Nurse** | António Manuel Silva

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**Study Submission and Secretary** | Cláudia Santos

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**Birth and Growth Medical Journal Director** | Sílvia Álvares

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**Secretary** | Paulo Silva

# DEERI

DEPARTMENT OF EDUCATION, TRAINING, AND RESEARCH | SCIENTIFIC YEARBOOK

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Centro Hospitalar Universitário do Porto | Largo Prof. Abel Salazar  
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