



3.4.1 Internal Medicine and Systemic Diseases



3 Research areas and groups

Publications: 31 | Q1: 16

COMPOSITION

Francisco Arnalich Fernández.

Investigador "Ad Honorem". IdiPAZ. Catedrático. Facultad de Medicina UAM. Universidad Autónoma de Madrid

- **María del Carmen Fernández Capitán.** Jefa de Servicio de Medicina Interna. Hospital Universitario La Paz. Profesora asociada ciencias de la Salud. Facultad Medicina UAM.
- **Clara Hernández Blanco.** Facultativo Especialista de Área en Medicina Interna. Hospital Universitario La Paz
- **Alicia Lorenzo Hernández.** Facultativo Especialista de Área en Medicina Interna. Hospital Universitario La Paz
- **Raquel Marín Baselga.** Facultativo Especialista de Área en Medicina Interna. Hospital Universitario La Paz

- **Carmen Montiel López.** Catedrática de Farmacología y Terapéutica. Facultad de Medicina, UAM. Universidad Autónoma de Madrid
- **Alberto Moreno Fernández.** Facultativo Especialista de Área en Medicina Interna. Hospital Universitario La Paz
- **María Angustias Quesada Simón.** Facultativo Especialista de Área en Medicina Interna. Hospital Universitario La Paz. Profesora asociada ciencias de la Salud. Facultad Medicina UAM. Universidad Autónoma de Madrid
- **Giorgina Gabriela Salgueiro Origlia.** Facultativo Especialista de Área en Medicina Interna. Hospital Universitario La Paz
- **Teresa Sancho Bueso.** Facultativo Especialista de Área en Medicina Interna. Hospital Universitario La Paz
- **Yale Tung Chen.** Facultativo Especialista de Área en Medicina Interna. Hospital Universitario La Paz

STRATEGIC OBJETIVES

- The current lines of research in the Group are multiple and are in constant change and evolution. Some of the most relevant are indicated below, regarding the lines of research

RESEARCH LINES

SARS-COV-2 INFECTION: DIFFERENTIAL MANIFESTATIONS AND UPDATED TREATMENT

- Main objective: To study the clinical and microbiological evolution of COVID-19 in the different waves of the pandemic and compare the clinical characteristics between patients who require hospital admission due to their severity with those of those that can be treated on an outpatient basis. - To precise characterization of the behavior of COVID-19 currently, and provide clues about the most appropriate measures to take once social distancing measures can be relaxed without putting the population at risk. most vulnerable population

THROMBOEMBOLIC DISEASE. PREVENTION, DIAGNOSIS AND TREATMENT

- Main objectives:
- Improve the diagnosis, treatment, prognosis and monitoring of patients with VTE.
- Improve VTE prevention (Thromboprophylaxis).
- Transmit our knowledge to Hospital and Primary Care professionals.
- Spread knowledge of VTE to patients themselves and to society in general.

HEART FAILURE. MECHANISMS, DIAGNOSIS, AND TREATMENT UPDATE:

VASCULAR RISK AND INFLAMMATION: PREVENTION, DIAGNOSIS AND TREATMENT:

- In atherosclerosis, there is a hardening of the arteries and an accumulation of fat and cholesterol that prevents good blood flow. Despite these characteristics, during the first years of the disease, atherosclerosis may not show symptoms in the patient and, therefore, it is vitally important to identify new risk factors capable of predicting the evolution of the disease in people who do not yet manifest. clinical sequelae

CLINICAL ULTRASOUND IN INTERNAL MEDICINE: clinical ultrasound as another complementary tool for the internist (which helps him solve the specific problem for which the patient consults, what they call second level ultrasound, more exhaustive and usually performed by radiologists.

- Main objectives: Improve the clinical history and physical examination from this global and comprehensive approach.
- Promote the targeted use of clinical ultrasound in the consultation (point of care) to document the clinical diagnosis, making it more decisive and more effective

DIGITAL MEDICINE

- Digital Health Research is to investigate, develop and innovate in the use of Information and Communications Technologies (ICT) in Health, with the aim of improving the health and well-being of people.
- To carry out this activity, the Unit is currently organized into 4 areas: Interoperability and Information Systems, Platforms and Devices, Clinical Validation and Evaluation

Lines of study framed in basic research projects:

- Study of the pathophysiological role of nicotinic $\alpha 7$ and dup-a7 receptors expressed in human macrophages, neurons and lung carcinoma cells.
- Identification of signalling pathways connecting nicotinic $\alpha 7$ receptors and negative regulators of TLR-mediated inflammation in human macrophages.

3 Research areas and groups

RESEARCH ACTIVITY

Doctoral Theses

- **Torres Arrese M.** Ecografía clínica en la valoración de la congestión sistémica derecha en pacientes con insuficiencia cardíaca aguda[dissertation]. Madrid: Universidad Autónoma de Madrid: 2024(13/06/2024). Director: Cuervas-Mons Martínez V, Tung Chen Y.

Publications

- **Andrade ERP, Tung-Chen Y, Dueñas LP.** Ultrasound in the diagnosis and monitoring of chylothorax; a case report and literature review. *Gaceta Clin.* 2024; 85(2): 30-1. Article. IF: 0.1; Q4
- **Belmonte AP, Madrazo M, Piles L, Rubio-Rivas M, Huerta LD, Antúnez MG, Caleyá JFL, Fernández FA, Gericó-Asequinolaza M, Fontan PMP, Rhyman N, Dehesa MP, Cabrera JLR, García GMG, García-Casasola G, Ruiz ALI, Carrasco-Sánchez EJ, Hernández SM, Pérez MDP, Castro JL, Albornoz JLSCD, Varona JF, Gomez-Huelgas R, Antón-Santos JM, Lumbreras-Bermejo C.** Assessing the impact of long-term inhaled corticosteroid therapy on patients with COVID-19 and coexisting chronic lung disease: A multicenter retrospective cohort study. *Can J Respir Ther.* 2024; 60(1): 86-94. Article. IF: 1.1; Q4
- **Cohen O, Kenet G, Levy-Mendelovich S, Tzorani I, Brenner B, De Ancos C, López-Miguel P, Varona JF, Catella J, Monreal M.** Outcomes of venous thromboembolism in patients with inherited thrombophilia treated with direct oral anticoagulants: insights from the RIETE registry. *J Thromb Thrombolys.* 2024; 57(4): 710-20. Article. IF: 2.2; Q2
- **Del Giorno R, Mazzolai L, Keller S, Siniscalchi C, López-Jimenez L, Ballaz A, Montenegro AC, Otero R, Rashidi F, Monreal M.** Assessment of bleeding events in patients receiving DOACs with or without statins to treat venous thromboembolism: insights from the RIETE registry. *Bmj Open.* 2024; 14(10): e085401.

Article. IF: 2.3; Q2

- **Díez-Vidal A, López JG, Fuertes PR, Jurado FT, Espinosa PB, Ballester JFM, Roca SR, Núñez MAR, Virto AMM, Tung-Chen Y.** Superficial vein thrombosis and its relationship with malignancies: a prospective observational study. *J Thromb Thrombolys.* 2024; 57(4): 650-7. Article. IF: 2.2; Q2
- **Díez-Vidal A, Martínez-Martín P, González-Muñoz B, Tung-Chen Y.** Point-of-care Ultrasound in Infectious Diseases: Current Insights and Future Perspectives. *Clin Infect Dis.* 2024; 79(2): 420-9. Review. IF: 7.3; D1
- **Gabara C, Aibar J, Nishimoto Y, Yamashita Y, Prandoni P, Barnes GD, Bikkeli B, Enez DJ, Demelo-Rodríguez P, Peris ML, Nguyen ST, Monreal M.** Clinical outcomes after discontinuing anticoagulant therapy in patients with first unprovoked venous thromboembolism. *J Thromb Haemost.* 2024; 22(8): 2234-46. Article. IF: 5.0; Q1
- **Giangregorio F, Mosconi E, Debellis MG, Provini S, Esposito C, Garolfi M, Oraka S, Kaloudi O, Mustafazade G, Marín-Baselga R, Tung-Chen Y.** A Systematic Review of Metabolic Syndrome: Key Correlated Pathologies and Non-Invasive Diagnostic Approaches. *J Clin Med.* 2024; 13(19): 5880. Review. IF: 2.9; Q1
- **González-Muñoz B, Oñoro-López C, Díez-Vidal A, Soriguieta-Torre R, Quesada-Simón MA, Martínez-Prieto M, Marín-Baselga R, Moreno-Fernández A, Hontañón-Antoñana V, Tung-Chen Y.** Multi-organ clinical ultrasound as a complement to the diagnostic process in an internal medicine consultation. *J Clin Ultrasound.* 2024; 52(7): 837-45. Article. IF: 1.4; Q3
- **González-Muñoz B, Oñoro-López C, Díez-Vidal A, Quesada-Simón MA, Tung-Chen Y.** Usefulness of multi-organ point-of-care ultrasound as a complement to the diagnostic process in an Internal Medicine outpatient clinic. *Eur J Intern Med.* 2024; 120: 125-7. Letter. IF:

6.1; Q1

- **Hueso RR, Bautista PS, Simón MAQ, Yun S, Martel AC, Rull JLM, Mera IF, Pérez DA, Rubio IP, Bodas OA.** Cardiac amyloidosis worsens prognosis in patients with heart failure: findings from the PREVAMIC study. *Rev Clin Esp.* 2024; 224(8): 494-502. Article. IF: 1.7; Q2
- **Jara-Palomares L, Bikkeli B, Jiménez D, Muriel A, Demelo-Rodríguez P, Mahé I, López-Núñez JJ, Megido JA, Jiménez BF, Monreal M.** Rate of recurrence after discontinuing anticoagulation in patients with venous thromboembolism within 30 days after COVID-19 vaccine. *Eur J Clin Invest.* 2024; 54(12): e14310. Letter. IF: 3.6; Q1
- **Lafae L, Poenou G, Hanon O, López-Jiménez L, Nieto JA, Lorenzo A, Porras JA, Lumbreras M, Bertoletti L, Monreal M, RIETE investigators.** Anticoagulation and venous thromboembolism in patients aged 90 years and older: Data from the RIETE registry. *J Am Geriatr Soc.* 2024; 72(1): 113-25. Article. IF: 4.5; Q1
- **Lyhne MD, Bikkeli B, Jiménez D, Kabrhel C, Dudzinski DM, Moisés J, Lobo JL, Armestar F, Guirado L, Ballaz A, Monreal M, RIETE Investigators.** Right ventricular-pulmonary artery coupling for prognostication in acute pulmonary embolism. *Eur Heart J Acute Cardiovasc Care.* 2024; 13(12): 817-25. Article. IF: 4.6; Q1
- **Martín-Escolano R, Virseda-Berdíces A, Berenguer J, González-García J, Brochado-Kith O, Fernández-Rodríguez A, Díez C, Hontañón V, Resino S, Jiménez-Sousa MA.** Low plasma levels of BTLA and LAG-3 before HCV therapy are associated with metabolic disorders after HCV eradication in persons with HIV/HCV coinfection: a retrospective study. *Front Pharmacol.* 2024; 15: 1341612. Article. IF: 4.8; Q1
- **Moratilla A, Martín D, Cadenas-Martín M, Stokking M, Quesada MA, Arnalich F, De Miguel MP.** Hypoxia Increases the Efficiencies of Cellular Reprogramming and

Oncogenic Transformation in Human Blood Cell Subpopulations In Vitro and In Vivo. *Cells.* 2024; 13(11): 971. Article. IF: 5.2; Q2

- **Ortega AG, Jiménez D, Pedro-Tudela A, Pérez-Ductor C, Fernández-Capitán C, Falgá C, Skride A, Siniscalchi C, Weinberg I, Monreal M.** Age-Related Differences in the Presentation, Management, and Clinical Outcomes of 100,000 Patients With Venous Thromboembolism in the RIETE Registry. *Arch Bronconeumol.* 2024; 60(3): 143-52. Article. IF: 9.2; D1
- **Pérez-Jurado LA, Cáceres A, Balagué-Dobón L, Esko T, de Heredia ML, Quintela I, Cruz R, Lapunzina P, Carracedo A, Abellán J, Acosta-Isaac R, Aguado JM, Aguilar C, Aguilera-Albesa S, Sabbagh AA, Alba J, Albu S, Alcalá-Gallardo KAM, Alcoba-Florez J, Batres SA, Algarin-Lara HR, Almadana V, Medeiros KA, Almeida J, Almoguera B, Alonso MR, Alvarez N, Walther RAS, Alvarez-Benítez Y, Alvarez-Navia F, dos Santos KA, Andreu-Bernabeu A, Antonijoan MR, Martínez-Aquino E, Arana-Arri E, Aranda C, Arango C, Araque C, Araujo NK, Arcaño AC, Arnaiz A, Fernández FA, Arranz MJ, López JRA, Artiga MJ, Avello-Malaver Y, Ayuso C, Martín BB, Baptista-Rosas RC, Baldion AM, Barranco-Díaz A, Barreda-Sánchez M, Barrera-Penagos V, Belhassen-García M, Bernal-Bello D, Bernal E, Bezerra JF, Bezerra MAC, Blanca-López N, Blancas R, Boix-Palop L, Borobia A, Bravo E, Brion M, Brochado-Kith O, Brugada R, Bustos M, Cabello A, Cáceres A, Cáceres-Agra JJ, Calbo E, Calderón EJ, Camacho S, Ceballos FC, Cañadas Y, Carbonell C, Cardona-Huerta S, Abad MSC, Segura CC, Carrillo-Avila JA, Campos MC, Casanovas C, Castaño L, Castaño CF, Castelao JE, Candalija AC, Castillo MA, Chaves-Santiago WG, Chiquillo-Gómez S, Cid-López MA, Cienfuegos-Jiménez O, Conde-Vicente R, Cunha GCR, Cordero-Lorenzana ML, Corella D, Corrales A, Cortés-Sánchez JL,**



Corton M, Souza KSC, Silva FTC, Cruz R, Cuesta L, Tavares NAC, Carvalho MCC, Dalmau D, Dantas-Komatsu RCS, Darnaude MT, de Andrés R, de Juan C, Troca JJD, de la Horra C, de la Hoz AB, De Martino-Rodríguez A, Cruz MS, Neri JLDA, del Campo-Pérez V, Delgado-Cuesta J, de Bustamante AD, Díaz-Pérez A, Dietl B, Diz-de Almeida S, Alves MD, Domínguez-Garrido E, Rosa LS, Luchessi AD, Echave-Sustaeta J, Eiros R, Enciso-Olivera CO, Escudero G, España PP, Sanabria GE, Fariñas MC, Fernández R, Fernández-Caballero L, Fernández-Cruz A, Fernández-Ferrero S, Martínez YF, Fernández-Nestosa MJ, Fernández-Robelo U, Fernández-Rodríguez A, Fernández-Sampedro M, Fernández R, Fernández-Villa T, Fernández-Capitán C, Carioca AAF, Flores-Pérez P, Fuenmayor-Hernández L, Fuertes-Núñez M, Fumadó V, Gadea I, Gagliardi L, Gago-Domínguez M, Gallego N, Galoppo C, García-Soidán A, García-Cerrada C, García-de-Vicuña A, García-García J, García-García I, García-Ibarbia C, García-Montero AC, García L, García M, Torrejón MCG, García I, García-Vázquez E, Garza-Frias E, Gentile A, Gil-Fournier B, de Araújo JNG, Gómez-Duque M, Gómez-Arrue J, Carrera LG, García MG, Sacristán AG, González JR, González-Neira A, Alvarez BG, de Quirós FGB, González-Montelongo R, González-Peñas J, Gonzalez-Sagrado M, Gonzalo-Benito H, Gorgojo-Galindo O, Górgolas M, Guaragna F, Chaux JG, Guillén-Navarro E, Guillén-Guío B, Guisado-Vasco P, Gutiérrez-Castañeda LD, Gutiérrez-Bautista JF, Heili-Frades S, Jacomo RH, Hernández E, Hernández-Moro C, Hernández-Ortega LD, Hernández-Pérez G, Hernández-Vaquero R, Herráez B, Herranz MT, Herrera M, Herrero MJ, Herrero-González A, Horcajada JP, Imaz-Ayo N, Intxausti-Urrutibeaskoa M, Iñigo-Campos A, Iñiguez M, Jara R, Jiménez A, Jiménez-Alfaro I, Jiménez P, Jiménez-Sousa MA, Jordan I, Laguna-Goya R, Laorden D, Lasa-Lázaro M,

Lattig MC, Lauriente A, Borja AL, Llanos L, López-Bernus A, de Heredia ML, López-García E, López-Granados E, López-Rodríguez R, López-Ruz AE, Lorente L, Lorenzo-Salazar J, Lozano JA, Lozano-Espinosa M, Mahillo I, Mancebo E, Mar C, Calvo CM, Marcos-Delgado A, Marcos M, Marín-Candón A, Mariscal-Aguilar P, Martín-Pedraza L, Martín-Fernández M, Martín-López C, Martín-Oterino JA, Martín MD, Martín V, Martín MM, Martín-Vicente M, Martínez A, Martínez-González O, Martínez R, Martínez-Paz P, Díaz-Caneja CM, Martínez-Nieto O, Martínez-López I, Martínez-Reséndez MF, Martínez S, Martínez JJ, Martínez-Pérez A, Martínez-Ramas A, Martínez-Robles V, Marzal L, Mazzeu JF, Medrano EJ, Meijome XM, Mejuto-Montero N, Mendes I, Duarte AL, Méndez-Echevarría A, Charris HM, Macías EM, Mercadillo F, Mercado-Sesma AR, Mínguez P, Molina-Roldán E, Molina AJ, Montoya JJ, Pinho SMT, Moreira-Escriche P, Morelos-Arnedo X, Moreno R, Cuerda VM, Moreno-Docón A, Moreno-Escalante J, Fernández AM, García PM, Neira P, Nevado J, Nieto-Gañán I, Silbiger VN, Nuñez-Torres R, Obrador-Hevia A, Ocejo-Vinyals JG, Virginia O, Oliveira SF, Ondo L, Orfao A, Ortega-Paino E, Ortega L, Ortiz-López R, Ortiz-Flores F, Oteo JA, Pacheco M, Pacheco-Miranda EJ, Padilla-Conejo I, Panadero-Fajardo S, Parellada M, Pariente-Rodríguez R, Friaiza V, Paz-Artal E, Peces-Barba G, Kus MSP, Perales C, Santos NPC, Guegel GP, Pérez MJ, Pérez A, Pérez-Matute P, Pérez C, Pérez-de-Nanclares G, Pérez-García F, Pérez P, Pérez-Jurado LA, Pérez-Tomás ME, Perucho T, Pichardo LA, Ribeiro AP, Pinsach-Abuin ML, Pinzón LA, Medeiros JFP, Pita G, Pla-Juncà F, Planas-Serra L, Pompa-Mera EN, Porrás-Hurtado GL, Pujol A, Quevedo-Chávez ME, Quijada MA, Quintela I, Ramiro-León S, Sedes PR, Nunes JFR, Recalde D, Recio-Fernández E, Resino S, Sousa RR, Rivadeneira-Chamorro CS, Roa-Agudelo D, Pardo MR, Fernandes

3 Research areas and groups

- MR, Rodríguez-Hernández MA, Rodríguez-Palmero A, Rodríguez-Ruiz E, Rodríguez MJ, Rodríguez-Artalejo F, Rodríguez-Ferrer M, Rodríguez-Gallego C, Rodríguez-García JA, Maya BR, Rodríguez-Nicolas A, Rodríguez-Novoa GE, Rodríguez-Urrego PA, Rojo F, Romero-Coronado A, Morilla R, Rondón-García F, Rosales-Castillo A, Rubio C, Olivera MR, Ruiz-Cabello F, Ruiz-Casares E, Ruiz-Cubillan JJ, Ruiz-Hornillos J, Ruiz M, Ryan P, Salamanca HD, Salazar-García L, Salgueiro-Origlia GG, Sangil A, Sánchez-Pernaute O, Sánchez PL, López AJS, Sánchez-Pablo C, Sánchez-Prados MC, Sánchez-Real J, Sánchez-Redondo J, Sancho-Sainz C, Sande E, Santos A, Schlüter A, Segovia S, Serra-Llovich A, Sevil-Puras F, Sevilla-Porras M, Sicolo MA, Silván-Fuentes C, Moraes VMS, Souza VS, Solé-Violán J, Soria JM, Sorlí JV, Silva NS, Souto JC, Sprockel JJ, Suárez-Rama JJ, Suárez-Zamora DA, Taboada-Fraga X, Tamayo E, Tamayo-Velasco A, Taracido-Fernández JC, Vasconcelos RHT, Tellería C, Carratto TMT, Tenorio-Castano JA, Teper A, Araujo IMT, Torres-Macho J, Torres-Tobar L, Torres-Gutiérrez RP, Troya J, Urioste M, Valencia-Ramos J, Valido A, Vargas-Gallo JP, Varón B, Vega T, Velasco-Quirce S, Vélez-Santamaría V, Víctor V, Vidán-Estévez J, Silva GV, Vieitez-Santiago M, Vilches C, Villalobos L, Villar F, Villar-García J, Villaverde C, Villoslada-Blanco P, Virseda-Berdices A, Costa TX, Yáñez Z, Zapatero-Gaviria A, Zarate R, Zazo S, Flores C, Riancho JA, Rojas-Martínez A, Lapunzina P, Carracedo A, González JR. Clonal chromosomal mosaicism and loss of chromosome Y in elderly men increase vulnerability for SARS-CoV-2. *Commun Biol.* 2024; 7(1): 202. Article. IF: 5.1; D1
- **Puchades R, Said-Criado I.** Telemedicine in clinical practice: Barriers and risks. *Med Clin-Barcelona.* 2024; 162(3): 123-5. Editorial Material. IF: 2.1; Q2
 - **Puchades R, Tung-Chen Y, Salgueiro G, Lorenzo A, Sancho T, Capitan CF.** Artificial intelligence

for predicting pulmonary embolism: A review of machine learning approaches and performance evaluation. *Thromb Res.* 2024; 234: 9-11. Letter. IF: 3.4; Q2

- **Reinoso-Párraga PP, González-Montalvo JI, Menéndez-Colino R, Perkisas S, Rivera-Deras I, Garmendia-Prieto B, Arain SJ, Tung-Chen Y, Vilches-Moraga A.** Usefulness of point of care ultrasound in older adults: a multicentre study across different geriatric care settings in Spain and the United Kingdom. *Age Ageing.* 2024; 53(7): afae165. Article. IF: 7.1; Q1
- **Siddiqui F, Tafur A, Hussain M, García-Ortega A, Darki A, Fareed J, Jiménez D, Bikelili B, Galeano-Valle F, Fernández-Reyes JL, Pérez-Pinar M, Monreal M.** The prognostic value of blood cellular indices in pulmonary embolism. *Am J Hematol.* 2024; 99(9): 1704-11. Article. IF: 9.9; Q1
- **Torres Arrese M, Barbera Rausell P, Lago Gancedo H, Mata Martínez A, Tung Chen Y, García de Casasola Sánchez G.** Usefulness of the pulsed wave doppler flow pattern in the common femoral vein to detect high probability of pulmonary hypertension in patients attended in the emergency department. *Emergencias.* 2024; 13(3): 234. Letter. IF: 6.3; D1
- **Torres-Arrese M, Barberá-Rausell P, Li-Zhu JWO, Salas-Dueñas R, Real-Martín AE, Mata-Martínez A, Gonzalo-Moreno B, Núñez JH, Luordo D, Cano JGS, Villegas TV, Caurcel-Díaz L, de Casasola-Sánchez GG, Tung-Chen Y.** The Cardiac Pulsed Wave Doppler Pattern of the Common Femoral Vein in Diagnosing the Likelihood of Severe Pulmonary Hypertension: Results from a Prospective Multicentric Study. *J Clin Med.* 2024; 13(13): 3860. Article. IF: 2.9; Q1
- **Tung-Chen Y, Apellaniz JS, Roca RA, Viladot JRA, González IA, Romero LB, Cebrián AC, Linares RC, Gil KAF, Suárez IG, Delgado ADG, Martínez AH, Ratti MFM, Villén OM, Mercadal JM, Puras EM, Belloso MEM, Párraga PPR, Urteaga ER, Galán AR, Barrancos IMS, Rodríguez JLS, Sánchez JCS, Grau AS,**

Macho JT, Villegas TV, Vives M, Sánchez GGD.

Executive summary of the consensus document on point-of-care ultrasound implementation: recommendations from the Clinical Ultrasound Working Groups of SEMI, SEDAR, SEGG, SEMERGEN, SEMES, SEMFYC and SEMG. *Rev Clin Esp.* 2024; 224(10): 670-8. Article. IF: 1.7; Q2

- **Tung-Chen Y, da Silva BML, Dueñas-López FC.** A rare case of venous thromboembolic disease detected with pocus augmented clinical exam. *Galicía Clin.* 2024; 85(2): 42-3. Letter. IF: 0.1; Q4
- **Tung-Chen Y, Martí-de Gracia M.** Physical exam with ultrasound, lights and shadows of an unstoppable multidisciplinary advance. *Rev Clin Esp.* 2024; 224(3): 187-8. Editorial Material. IF: 1.7; Q2
- **Tung-Chen Y, Platero-Dueñas L, Otero-González J.** The rapid access to sonographic diagnosis of fecal impaction: Description of a case with fatal outcome. *Semergen.* 2024; 50(6): 102194. Letter. IF: 0.9; Q4
- **Tung-Chen Y, Sánchez GGD, Rubio SG, Romero LB, Wittel MB, Figuero LSB, Lebrato JC, Gil DG, Palmero SL, Tedesco DL, Rico PM, González MM, Bailón MM, Porcel JM, Serralta G, Arrese MT, Olaso JO, García PV, Macho JT.** Executive summary of the consensus document for the training and development of clinical ultrasound in internal medicine: Recommendations from the Clinical Ultrasound Working Group of the Spanish Society of Internal Medicine (GTECO-SEMI). *Rev Clin Esp.* 2024; 224(1): 57-63. Article. IF: 1.7; Q2
- **Vidal AD, López JG, Núñez MAR, Virto AMM, Chen YT.** Risk factors and complications associated with superficial venous thrombosis. *Eur J Intern Med.* 2024; 121: 146-8. Letter. IF: 6.1; Q1
- **Villén T, Tung YL, Llamas R, Nería F, Carballo C, Vázquez JL, Monge D.** Results of the implementation of a double-check protocol with point-of-care ultrasound for acute heart failure in the emergency department. *Crit Ultrasound J.* 2024; 16(1): 25. Article. Not Indexed

3 Research areas and groups

3.4. Large System Pathologies Area

Research projects

- **Arnalich Fernández F.** Estudio de disfunción ventricular precoz en pacientes con esclerodermia. Glaxosmithkline S.A. 2011-Ongoing. **Managment centre:** FIBHULP
- **Montiel Lopez C, Soria Chacartegui P, Zubiaur Precioso P.** Utilidad de la farmacogenética para mejorar la prescripción de estatinas en atención primaria y especializada: percepciones y formación de médicos prescriptores (PI22/01655). ISCIII. 2023-2025. **Managment centre:** UAM

Clinical trials

- **Lorenzo Hernandez A.** ensayo multicéntrico, aleatorizado, doble ciego y controlado con placebo para evaluar la eficacia y seguridad de bay 3018250 en pacientes con trombosis venosa profunda proximal sintomática.
Type/Phase: Ila
Sponsored by: Bayer Ag
Signature date: 09/10/2024
- **Puchades Rincón de Arellano R.** ensayo clínico basado en registro para determinar el papel del oxígeno para la tromboembolia de pulmón aguda sintomática.
Type/Phase: III
Sponsored by: Fundación Hospital Ramon Y Cajal
Signature date: 14/05/2024
- **Quesada Simón MA.** registro attracting.
Type/Phase:
Sponsored by: Fundación Centro Nacional Investigaciones Cardiovasculares
Signature date: 04/06/2024