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3.4.7 Patient Blood Management

Publications: 17 | Q1: 11

COMPOSITION

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- **María José Alcaide Martín.** *Facultativo Especialista de Área en Análisis Clínicos. Tutora de residentes de Análisis Clínicos. Hospital Universitario La Paz*
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- **María Angélica Rivera Núñez.** *Facultativo Especialista de Área en Medicina Interna. Hospital Universitario La Paz*
- **Carmen Sarmiento Iglesias.** *Médico Interno Residente en Medicina Intensiva. Hospital Universitario La Paz*
- **Marcelino Sánchez Casado.** *Facultativo Especialista de Área en Medicina Intensiva. Hospital Virgen de la Salud*
- **Ismael del Val Rey.** *Médico Interno Residente en Medicina Intensiva. Hospital Universitario La Paz*

STRATEGIC OBJETIVES

- This is a diverse group of specialists in various fields who share a common interest in researching new strategies to optimize the management of patients attending hospital emergency departments. In particular, strategies for rationalizing and optimizing the use of blood components in diverse clinical situations are especially critical in emergency departments. In this regard, and within the field of clinical research, our group's interests have focused on three priority research areas: "Optimization of the use of blood components," divided into two sub-areas mentioned in the following section: "Venous thromboembolism and anticoagulation" and "Risk stratification in critically ill patients."

RESEARCH LINES

- Critical hemorrhage
- Reversible anticoagulation
- Fragility
- COVID-19
- Interrelationship in cardiovascular diseases and care

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RESEARCH ACTIVITY

Publications

- **Beverina I, Jericó C, Quintana-Díaz M.** Implementing first pillar of PBM in the Emergency Area: a missed opportunity? Blood Transfus-Italy. 2025; 23(1): 50-4 . Editorial Material. IF: 2.7; Q2
- **Burgos-Esteban A, Cordón-Hurtado V, Giménez-Luzuriaga M, Peinado-Quesada M, Gómez-Lage L, Juárez-Vela R, Czapla M, García-Criado J, Navas-Echazarreta N, Rodríguez-Calvo A, Lasa-Berasain P, Quintana-Díaz M.** Intranasal drug administration for psychomotor agitation as a safe and effective prehospital intervention: an integrative review. Nurs Rep. 2025; 15(6): 219. Review. IF: 3.1; Q1
- **Cruz-Garcinuño M, Juárez-Vela R, Chover-Sierra E, Navas-Echazarreta N, Czapla M, Ballestar-Tarín ML, Martínez-Pascual RM, Nanwani-Nanwani K, Serrano-Lazaro A, del Val-Rey I, Quintana-Díaz M, Martínez-Sabater A.** Sex differences and gender-oriented characteristics in intensive care unit admissions for patients with traumatic brain injury in Spain. Front Med (Lausanne). 2025; 12: 1622422. Article. IF: 3.6; Q1
- **Cruz-Garcinuño M, Martínez-Sabater A, Cobos-Rincón A, Czapla M, Sarmiento-Iglesias C, Polo-Andrade E, Álvarez P, Rodríguez-Calvo A, Aguirre U, Tejada-Garrido CI, Juárez-Vela R, Quintana-Díaz M.** Exploratory evaluation of potential crp and ferritin thresholds and survival in critically ill patients: a pilot prospective icu study. J Clin Med. 2025; 14(22): 8172. Article. IF: 3.3; Q1
- **de la Cruz-Garcinuño M, Juárez-Vela R, Lasa-Berasain P, de Vinaspre-Hernández RR, Czapla M, García-Muñoz L, Polo-Andrade E, Sarmiento C, Rodero-Martínez J, Alonso-Arias M, López-Tornero S, Quintana-Díaz M.** Utility of reticulocyte hemoglobin as a new predictor of anemia in intensive care unit patients. Front Med (Lausanne). 2025; 12: 1577047. Article. IF: 3.6; Q1
- **Faso C, Bogossian EG, Rynkowski CB, Moller K, Lormans P, Díaz MQ, Caricato A, Dabrowski W, Perez IG, Steblaj S, Quintard H, Justo P, Righy C, Roman-Pognuz E, Huet O, Mahmoodpoor A, Blandino-Ortiz A, Junttila E, Funes N, Izzo G, Zattera L, Giacomucci A, Dibu J, Rodrigues A, Bouzat P, Vincent JL, Taccone FS.** A Restrictive versus a liberal transfusion strategy in patients with spontaneous intracerebral hemorrhage: a secondary analysis of train randomized clinical trial. Stroke. 2025; 56(9): 2617-26. Article. IF: 11.1; D1
- **Hernández MI, Juliá JB, Fernández RG, Martín SG, Tornero SL, Morente EM, Cárdenas YM, Blanco JR, Dominguez RR, Leiguez JJS, Díez-Sebastián J, Díaz MQ.** Environmentally sustainable waste segregation and linen use in a burn and polytrauma intensive care unit: a nurse-led quality improvement initiative. Nurs Crit Care. 2025; 30(5): e70165. Article. IF: 2.8; Q1
- **Kimmoun A, Girerd N, Duarte K, Bruno J, Schenk J, Levy B, Baudry G, Raasveld SJ, de Bruin S, Reuland MC, van den Oord C, Schaap CM, Bakker J, Cecconi M, Feldheiser A, Meier J, McQuilten Z, Müller MCA, Scheeren TWL, Aubron C, Flint AWJ, Hamid T, Piagnerelli M, Mahecic TT, Benes J, Russell L, Aguirre-Bermeo H, Triantafyllopoulou K, Chantziara V, Gurjar M, Myatra SN, Pota V, Elhadi M, Gawda R, Mourisco M, Lance M, Neskovic V, Podbregar M, Llau JV, Quintana-Díaz M, Cronhjort M, Pfortmueller CA, Yapici N, Nielsen N, Shah AK, de Grooth HJ, Vlaar APJ, Mebazaa A.** Association between red blood cell transfusion and adverse clinical outcomes is Independent of cardiac history: a multicenter observational InPUT study analysis. Crit Care. 2025; 29(1): 526. Article. IF: 11.4; D1
- **Kurucz VC, Flint AWJ, Poole A, Reuland MC, van den Oord C, Schaap CM, Bakker J, Cecconi M, Feldheiser A, Meier J, McQuilten Z, Müller MCA, de Bruin S, Scheeren TWL, Hamid T, Aubron C, Piagnerelli M, Mahecic TT, Benes J, Russell L, Aguirre-Bermeo H, Triantafyllopoulou K, Chantziara V, Gurjar M, Myatra SN, Pota V, Elhadi M, Gawda R, Mourisco M, Lance M, Neskovic V, Podbregar M, Llau JV, Quintana-Díaz M, Cronhjort M, Pfortmueller CA, Yapici N, Nielsen N, Shah A, de Grooth H, Vlaar APJ, Schenk J, Raasveld SJ, InPUT Study Grp.** Global transfusion practices in septic patients in the intensive care unit: insights from the InPUT-study sub-analysis. Transfusion. 2025; 65(12): 2272-85. Article. IF: 2.0; Q3
- **Méndez-Arias E, Abad-Motos A, Barquero-López M, Delestal-Aldaria R, Palacios AMMD, Pajares A, López SA, Fornet I, Quintana-Díaz M, Yanes G, Colomina MJ.** Patient Blood Management: A conceptual and analytical vision from the leadership in Spain. Rev Esp Anestesiol Reanim. 2025; 72(3): 501650. Article. IF: 1.3; Q3
- **Mora L, Pons-Pellicé L, Quintana-Díaz M.** Viscoelastic monitoring of direct oral anticoagulants (DOAC). Blood Transfus-Italy. 2025; 23(1): 59-63. Editorial Material. IF: 2.7; Q2
- **Moral V, Jericó C, Motos AA, Páramo JA, Díaz MQ, Erce JAG.** 2024 critical review of the patient blood management (PBM) recommendations of the spanish enhanced recovery after major surgery (via RICA). Cir Espan. 2025; 103(2): 104-14. Review. IF: 1.5; Q3
- **Pérez-Elvira R, Oltra-Cucarella J, Juan MA, Polo-Ferrero L, Juárez-Vela R, Bosch-Bayard J, Díaz MQ, de la Cruz J, Ruíz AS.** The vibrational signature of alzheimer's disease: a computational approach based on sonification, laser projection, and computer vision analysis. Biomimetics (Basel). 2025; 10(12): 792. Article. IF: 4.2; Q1
- **Pérez-Elvira R, Oltra-Cucarella J, Juan MA, Polo-Ferrero L, Juárez-Vela R, Bosch-Bayard J, Díaz MQ, Neamtu B, Salgado-Ruiz A.** Auditory discrimination of parametrically sonified EEG signals in Alzheimer's disease. J Clin Med. 2025; 15(1): 140. Article. IF: 3.3; Q1
- **Quintana-Díaz M, Godoy DA.** Optimal hemoglobin levels in the neurocritical patient: Are we there yet? Med Intensiva. 2025; 49(7): 502162. Editorial Material. IF: 2.5; Q3
- **Taleb C, Bogossian EG, Rynkowski CB, Moller K, Lormans P, Diaz MQ, Caricato A, Zattera L, Kurtz P, Meyfroidt G, Quintard H, Dias MC, Giacomucci A, Castelain C, Chabanne R, Marcos-Neira P, Bendel S, Alsheikhly AS, Elbahnasawy M, Gay S, D'Onofrio M, Popugaev KA, Markou N, Bouzat P, Vincent JL, Taccone FS, TRAIN Study Trial Grp.** Liberal versus restrictive transfusion strategies in subarachnoid hemorrhage: a secondary analysis of the TRAIN study. Crit Care. 2025; 29(1): 67. Article. IF: 11.4; D1
- **van Wonderen SF, Raasveld SJ, Flint AWJ, Schenk J, van den Oord C, Reuland MC, de Bruin S, Bakker J, Cecconi M, Feldheiser A, Meier J, Müller MCA, Scheeren TWL, Hamid T, Piagnerelli M, Mahecic TT, Benes J, Russell L, Aguirre-Bermeo H, Triantafyllopoulou K, Chantziara V, Gurjar M, Myatra SN, Pota V, Elhadi M, Gawda R, Mourisco M, Lance M, Neskovic V, Podbregar M, Llau J, Quintana-Díaz M, Cronhjort M, Pfortmueller CA, Yapici N, Nielsen ND, Shah A, De Grooth HJ, Mcquilten Z, Vlaar APJ, Aubron C.** Platelet transfusion practices in the ICU: A prospective multicenter cohort study. Crit Care Med. 2025; 53(12): e2526-39. Article. IF: 7.5; Q1

Patents and trademarks

- **Díaz García E, Laxman Nanwani K, Quintana Díaz M, García Río F, Cubillos-Zapata C, inventors; FIHULP, CIBER, assignees.** Biomarcadores para el pronóstico de pacientes que han sufrido una hemorragia subaracnoidea aneurismática (SAH). P202130180; 2021 March 3

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