



Barcelona, 8th of December 2023

To the EACTAIC Educational sub-committee,

We are pleased to submit our application for re-accreditation for the Trainee Exchange Programme in Vascular Anesthesia of the *European Association of Cardiothoracic Anaesthesia and Intensive Care* in Hospital Clínic Barcelona.

We hope that we can continue this rewarding and fulfilling experience.

Yours sincerely

A handwritten signature in black ink, appearing to read 'Matute', with a stylized flourish at the end.

Purificación Matute Jiménez, M.D, Ph.D

Cardiothoracic Anaesthesiologist, Hospital Clínic Barcelona

Member of the Educational and Vascular sub-committee of the EACTAIC

Coordinator of "Trainee Exchange Programme in Vascular Anesthesia" in Hospital Clínic Barcelona



Barcelona, 28 of November 2023

Ricard Valero Castell, head of Anesthesiology Department in Hospital Clínic of Barcelona, confirms that Purificación Matute Jiménez, director of the Trainee Exchange Programme in Vascular Anesthesia of the European association of Cardiothoracic Anesthesia and Intensive Care, has a dedicated minimum of 10% weekly working time for training the trainees in the Fellowship and Exchange Training Programme.

Yours sincerely

Dr. Ricard Valero
Consultor Sènior
Cap del Servei d'Anestesiologia
Clínic Barcelona
Professor Titular. Universitat de Barcelona
rvalero@clinic.cat ; ricardvalero@ub.edu

Application for Hosting EACTA Vascular Anaesthesia Exchange Training Programme

1. Institution Name	Hospital Clínic de Barcelona				
Address	Carrer Villarroel 170, 08036 Barcelona				
Website	www.hospitalclinic.org				
Country	Spain	City	Barcelona		
2. Chair Name	First name	Ricard	Last name	Valero Castell	
	Email	rvalero@clinic.cat	Phone	34932275558	
3. Programme Director	First name	Purificación	Last name	Matute Jiménez	
	Board Certification(s)	M.D., Ph.D., member of Vascular and Education Sub-committee of EACTAIC, EACTAIC/EACVI accreditation for adult TEE			
	Title/Affiliation	of EACTAIC, EACTAIC/EACVI accreditation for adult TEE			
	Number of original publications				
	EACTA membership	Yes	If yes, membership's number	852	
	ESA membership	Yes	If yes, membership's number	157293	
	Societies membership	Yes / No	If yes, membership's number	SEDAR (Spanish Society of Anesthesiology) 2737	
	Email	pmatute@clinic.cat		Phone	
	Mailing Address	Hospital Clínic de Barcelona		Fax	
	Street	Carrer Villarroel 170, 08036 Barcelona			
	Country	Spain	Region	Cataluña	
	Zip code	8036			
	Published Researches in PubMed	Attached			

Will the Programme director devote sufficient time to provide substantial leadership to the programme and supervision for the trainees?

Yes

Completion of the programme will be acknowledged by the Department of Anaesthesia and Intensive Care at the host centre in junction with European Association of Cardiothoracic Anaesthesia (EACTA) Candidate's requirements

Yes

5. Candidate's requirements

The candidates must be board certified or board eligible according to European residency programme standards

Language requirements	<input type="checkbox"/> No	Comments	English required
Specific requirements towards the attending trainee	<input type="checkbox"/> B2		

4. General Programme Information

Aims, goals and objectives of the Fellowship Programme

To acquire technical skills in preoperative assessment, anaesthesia, monitoring and postoperative care of vascular surgery including both conventional vascular major surgery (aortic), carotid, complex endovascular surgery (TEVAR, EVAR) and peripheral vascular surgery. This two/four weeks' Training period as Observer has the aim to improve the practical knowledge

Preferred Duration	2 weeks	Others, specify	Due to decreased surgical activity, August- September 15 th and Christmas time (24 DEC)
Preferred Months		Preferred seniority level	Junior
Number of Positions / Year	5		
Comments	Four to five trainees per year		
Clinical interests	The Anaesthesiologists of the Cardiothoracic Section of Hospital Clínic are a group of Anaesthesiologists who work exclusively with the Thoracic, Cardiac and Vascular surgical patients. The group is specially focused in:		

the group is operating resources in:

- Improvement of the perioperative care Vascular patients,
- Implementation of ERAS,
- Open abdominal aortic procedures (aortic thoracic open surgery is performed by cardiac surgeons).
- Endovascular aortic procedures (EVAR, TEVAR, CHIVAR...), including medular ischemia protective management and techniques.
- Endovascular aortic emergencies (anesthesiologist duty team).
- Paraplegia in vascular surgery (protective techniques: drain of SCF, sensitive/motor evoked potentials)
- Carotid open endarterectomy and stent procedures.
- Anesthesia for peripheral vascular procedures.
- Care and pain management for patients with critical limb ischemia and undergone limb amputation
- Transesophageal echocardiography
- Epidural blockade.
- Ultrasound-guided locoregional blockages (upper and lower limb).
- Multimodal analgesia protocol.

Lab interests: NA

5. Financial Statement

An employment contract will be signed with the candidate No
 Accommodation options are provided No

Transportation/travel options are provided No
 Source of financial support for candidate: candidate's own expenses

6. Faculty

Thoracic Anaesthesia Faculty - Research Interest and/or Clinical Expertise. * Please, list at least three names.

Name	EACTA member	Certification in Cardiothoracic and Vascular Anaesthesia	Additional Qualifications	Email address	Contact address
Irene Rovira	Yes	NA	M.D., Ph.D, EDA	irovira@clinic.cat	
María José Arguis	Yes	NA	M.D., Ph.D	mjarguis@clinic.cat	
Ricard Navarro	Yes	NA	M.D., Ph.D, EDA	rnavarr1@clinic.cat	
Cristina Ibáñez	Yes	NA	M.D.	cribanez@clinic.cat	
Marc Giménez	Yes	NA	M.D., Ph.D, EDA	magimene@clinic.cat	
Juan Perdomo	Yes	NA	M.D		
Attached publications list					

7. Resources

Check if each of the following is available at the host centre.

Resources	Yes / No	Number
Total vascular surgery/intervention ward beds	Yes	7
Number of ICU beds dedicated to vascular surgery patients	Yes	2
Post-anaesthesia care unit for vascular patients	Yes	3
Monitoring and advanced life support equipment	Yes	7
Assigned operating rooms for vascular surgery	Yes	5
Interventional vascular facility	Yes	1
Outpatient Clinic for perioperative evaluation of patients undergoing vascular procedures	Yes	1
24-hours acute pain service available for patients undergoing vascular procedures	Yes	7
Meeting Rooms	Yes	5
Classrooms with visual and other educational aids	Yes	5
Study areas for trainees	Yes	7
Office space for faculty members and trainees	Yes	7
Diagnostic facilities	Yes	7
Therapeutic facilities	Yes	7
24-hour laboratory services available in the hospital	Yes	7

8. Clinical Training

Caring for inpatients in	Duration	Number of performed produces/year
Supra-iliac aortic surgery	4-5 hrs/procedure	>70
Major vascular surgery	2-3 hrs/procedure	>100
Interventional vascular procedures (e.g. angioplasty, TEVAR, EVAR)	3-4 hrs/procedure	>150

Carotid artery stenting/endarterectomy	2-3 hrs/procedure	70-80
Limb revascularization	2-3 hrs/procedure	>80
Limb amputation surgery	1-2 hrs/procedure	>60
Acute and Chronic Pain Management for vascular patients		>100

List any other rotations (along with their duration, in months) offered in the Programme to augment trainee's learning.

1) In angiography suite for carotid stenting because is performed by angiologist, not for vascular surgeons 2) For open thoracoabdominal aneurysm which are performed by cardiac surgeons 3) If one week there are more procedures of major surgery, ie AAA open surgery, we perform less cases of another shorter surgery during week, the number of cases are depend of weekly schedule surgery, the number of procedures anoted in the table are approximately).

Maximum Time in Non-Clinical Activities

9. Educational and Academic Programme

Didactic Sessions

Will faculty members' attendance be monitored?	Yes
Will trainees' attendance be monitored?	Yes
Will attendance be mandatory for faculty members?	Yes
Will attendance be mandatory for trainees?	Yes
Who of the following will provide content at conferences? Check all that apply.	Yes
Others (specify): Click here to enter text.	

Patient Care

Competency Area	Settings/ Activities	Assessment Method(s)
Following standards for patient care and established guidelines and procedures for patient safety, error reduction, and improved patient outcomes.	Yes	Check- list
Pre-operative patient evaluation and optimization of clinical status before the complex and minor vascular procedures.	Yes.	Pre-anes thetic as ses sment. Every patient is evaluated previously and optimized if necessary
Interpretation of cardiovascular and neuromonitoring data.	Yes	Pre-anes thetic as sessment
Objectives, indications, and targets of cerebrospinal fluid drainage.	Yes	There is an specific protocol available at Anesthetic Dptment. Website
Pharmacological and mechanical haemodynamic support.	Yes	Vasoactive drugs and extra-corporeal mechanical ci rculatory support
Peri-operative critical care, including ventilatory support and peri-operative pain management.	Yes	Intraoperative and immediate pos toperative care in PACU
Providing anaesthesia care for patients undergoing open and endovascular vascular surgery.	Yes	Thoracic aorta cardiac surgery available

Medical Knowledge

Area of Knowledge	Settings/ Activities	Assessment Method(s)
Indicate the activity(ies) (lectures, conferences, journal clubs, clinical teaching rounds, etc.) in which trainees will demonstrate knowledge in each of the following areas. Also indicate the method(s) used to assess competence.		
Embryological development of the thoracic aorta and major vessel structures.	Yes	Weekly Clinical Session of Anaesthesiology for specialists and residents. Weekly sessions for Simulation in anaesthesiology.
Pathophysiology, pharmacology, and clinical management of patients undergoing vascular procedures.	Yes	Weekly Clinical Session of Anaesthesiology for specialists and residents. Weekly sessions for Simulation in anaesthesiology.
Pre-anaesthetic evaluation and preparation of adult vascular patients.	Yes	Weekly Clinical Session of Anaesthesiology for specialists and residents. Weekly sessions for Simulation in anaesthesiology.
Invasive and minimally-invasive haemodynamic and neurological monitoring.	Yes	Weekly Clinical Session of Anaesthesiology for specialists and residents. Weekly sessions for Simulation in anaesthesiology.
Pharmacokinetics and pharmacodynamics of medications prescribed for clamping and de-clamping of thoracic and abdominal aorta.	Yes	Weekly Clinical Session of Anaesthesiology for specialists and residents. Weekly sessions for Simulation in anaesthesiology.
Pain management for adult vascular surgical patients.	Yes	Weekly Clinical Session of Anaesthesiology for specialists and residents. Weekly sessions for Simulation in anaesthesiology.

Pain management for phantom limb pain.	Yes	Weekly Clinical Session of Anaesthesiology for specialists and residents. Weekly sessions for Simulation in anaesthesiology.
Post-anaesthetic critical care of vascular surgical patients.	Yes	Weekly Clinical Session of Anaesthesiology for specialists and residents. Weekly sessions for Simulation in anaesthesiology.
Quality assurance/ improvement.	Yes	Weekly Clinical Session of Anaesthesiology for specialists and residents. Weekly sessions for Simulation in anaesthesiology.
Ethical and legal issues, and practice management.	Yes	Weekly Clinical Session of Anaesthesiology for specialists and residents. Weekly sessions for Simulation in anaesthesiology.

10. Evaluation of Trainees

The Programme Director will give an appraisal for each trainee following the observership
The centre will be able to maintain a register of those fellows who have entered and successfully completed a training programmes.

Yes
Yes

Other Comments

Due to decreased surgical activity, August- September 15 th and Christmas time (24 DEC-6 JANUARY) should be avoided.

11. EACTA Site Visit (for 1-day)

Dates proposed for the visit **if required** (at least 3) or or

I hereby accept the regulations of the Hospital Visiting especially to take in charge the travel costs and the hotel accommodation of the 2 reviewers on the most reasonable base

Yes

Other comments

To be completed by the Head of department or the authorised deputy.

Please fill in all required fields and send to eacta@aimgroup.eu

Application for Hosting EACTA Vascular Anaesthesia Exchange Training Programme					
Week (1)	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8:00	OR Vascular surgery	Department Teaching	Aorta multidisciplinary Committee meeting	ICU and ICU Intermediate Unit Round	OR Vascular Surgery
8:30		OR Vascular Surgery	Endovascular Surgery (EVAR/TEVAR) (radiology suite)	OR Vascular Ambulatory surgery	
9:00					
10:00					
11:00					
12:00					
13:00					
14:00					
15:00	Optional: prehabilitation UNIT	Dictated teaching:general principles of Vascular Anesthesia		Dictated teaching:advanced topics in Vascular Anesthesia	
16:00					
Week (2)	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8:00	OR Vascular surgery	Department Teaching	Aorta multidisciplinary Committee meeting	Outpatient Clinic for perioperative evaluation Vascular patients	OR Vascular Surgery
8:30		ICU and ICU Intermediate Unit Round	Endovascular Surgery (EVAR/TEVAR) (radiology suite)		
9:00					
10:00					
11:00					
12:00					
13:00		Acute postoperative Pain ward round (Pain Section)			
14:00					
15:00	Dictated teaching:general principles of Vascular Anesthesia	Dictated teaching:advanced topics in Vascular Anesthesia		Sessions for Simulation in anaesthesiology	
16:00	OR Vascular surgery*week 1	OR Vascular surgery*week 2			
17:00					
18:00					
19:00					
20:00					

This time-table is designed for two-four weeks

Programme Director's Publications List

1. Lurati Buse GA, Mauermann E, Ionescu D, Szczeklik W, De Hert S, Filipovic M, Beck-Schimmer B, Spadaro S, **Matute P**, Bolliger D, Turhan SC, van Waes J, Lagarto F, Theodoraki K, Gupta A, Gillmann HJ, Guzzetti L, Kotfis K, Wulf H, Larmann J, Corneci D, Chammartin-Basnet F, Howell SJ; MET: Reevaluation for Perioperative Cardiac Risk investigators; European Society of Anaesthesiology and Intensive Care. Risk assessment for major adverse cardiovascular events after noncardiac surgery using self-reported functional capacity: international prospective cohort study. *Br J Anaesth.* 2023 Jun;130(6):655-665. doi: 10.1016/j.bja.2023.02.030. Epub 2023 Apr 1. PMID: 37012173.
2. Pujol R, Rivas E, Gracia I, Caballero A, **Matute P**, Cuñat T, Basora M, Fábregas N, Arguis MJ, Forne DL, Balibrea JM, Besa A, Laguna G, Monsalve C, Lacy AM, Martinez-Pallí G; Perioperative COVID Group Hospital Clínic. Preoperative triage to detect SARS-CoV-2 infection in surgical patients: lessons learned for resuming surgery. *Surg Today.* 2023 Jun;53(6):709-717. doi: 10.1007/s00595-022-02610-8. Epub 2022 Oct 21. PMID: 36266480; PMCID: PMC9589600.
3. Molina Andújar A, Lucas A, Escudero VJ, Rovira I, **Matute P**, Ibañez C, Blasco M, Sandoval E, Ruiz J, Chorda Sánchez M, Piñeiro GJ, Quintana E, Poch E. Risk Factors for Acute Kidney Injury Following Cardiac Surgery and Performance of Leicester Score in a Spanish Cohort. *J Clin Med.* 2022 Feb 9;11(4):904. doi: 10.3390/jcm11040904. PMID: 35207177; PMCID: PMC8876028.
4. Martinez S, Giménez-Milà M, Cepas P, Anduaga I, Masotti M, **Matute P**, Castellà M, Sabaté M. Spontaneous Coronary Artery Dissection: Rediscovering an Old Cause of Myocardial Infarction. *J Cardiothorac Vasc Anesth.* 2022 Aug;36(8 Pt B):3303-3311. doi: 10.1053/j.jvca.2022.03.022. Epub 2022 Mar 24. PMID: 35618587.
5. Erdoes G, Wouters PF, Alston RP, Schreiber JU, Bettex D, Antoniou T, Benedetto M, Bouchez S, Szegedi L, Wilkinson K, Landoni G, Treskatsch S, **Matute P**, von Dossow V, Van Beersel D, Unic-Stojanovic D, Momeni M, Gaudard P, Szekely A, Burtin P, Flo-Forner A, Neto CN, Fassl J, Granell M, Erb JM, Navarro-Ripoll R, Vives M, Fetouh FA, Howell SJ, Marczin N, Martinez AH, Vuylsteke A, El-Ashmawi H, de Arroyabe BML, Mukherjee C, Rex S, Paternoster G, Guarracino F, El-Tahan MR. European Association of Cardiothoracic Anesthesiology and Intensive Care (EACTAIC) Fellowship Curriculum: Second Edition. *J Cardiothorac Vasc Anesth.* 2022 Sep;36(9):3483-3500. doi: 10.1053/j.jvca.2022.05.022. Epub 2022 May 21. PMID: 35718622.
6. El-Tahan MR, Erdoes G, van der Maaten J, Wilkinson K, Kousi T, Antoniou T, von Dossow V, Neto CN, Schindler E, Székely A, Forner AF, Wouters PF, Guarracino F, Burtin P, Unic-Stojanovic D, Schreiber JU, **Matute P**, Aboulfetouh F, Navarro-Ripoll R, Fassl J, Bettex D, Benedetto M, Szegedi L, Alston RP, Landoni G, Granell M, Gaudard P, Treskatsch S, Van Beersel D, Vuylsteke A, Howell S, Janai AR, Martinez AH, Erb JM, Vives M, El-Ashmawi H, Rex S, Mukherjee C, Paternoster

G, Momeni M. European Association of Cardiothoracic Anesthesiology and Intensive Care Pediatric Cardiac Anesthesia Fellowship Curriculum: First Edition. *J Cardiothorac Vasc Anesth*. 2022 Mar;36(3):645-653. doi: 10.1053/j.jvca.2021.08.009. Epub 2021 Aug 8. PMID: 34503890.

7. Molina Andújar A, Escudero VJ, Piñeiro GJ, Lucas A, Rovira I, **Matute P**, Ibañez C, Blasco M, Quintana LF, Sandoval E, Sánchez MC, Quintana E, Poch E. Impact of cardiac surgery associated acute kidney injury on 1-year major adverse kidney events. *Front Nephrol*. 2023 Apr 24;3:1059668. doi: 10.3389/fneph.2023.1059668. PMID: 37675375; PMCID: PMC10479748.

8. Devereaux PJ, Marcucci M, Painter TW, Conen D, Lomivorotov V, Sessler DI, Chan MTV, Borges FK, Martínez-Zapata MJ, Wang CY, Xavier D, Ofori SN, Wang MK, Efremov S, Landoni G, Kleinlugtenbelt YV, Szczeklik W, Schmartz D, Garg AX, Short TG, Wittmann M, Meyhoff CS, Amir M, Torres D, Patel A, Duceppe E, Ruetzler K, Parlow JL, Tandon V, Fleischmann E, Polanczyk CA, Lamy A, Astrakov SV, Rao M, Wu WKK, Bhatt K, de Nadal M, Likhvantsev VV, Paniagua P, Aguado HJ, Whitlock RP, McGillion MH, Prystajec M, Vincent J, Eikelboom J, Copland I, Balasubramanian K, Turan A, Bangdiwala SI, Stillo D, Gross PL, Cafaro T, Alfonsi P, Roshanov PS, Belley-Côté EP, Spence J, Richards T, VanHelder T, McIntyre W, Guyatt G, Yusuf S, Leslie K; POISE-3 Investigators. Tranexamic Acid in Patients Undergoing Noncardiac Surgery (**Matute P**). *N Engl J Med*. 2022 May 26;386(21):1986-1997. doi: 10.1056/NEJMoa2201171. Epub 2022 Apr 2. PMID: 35363452.

9. Erdoes G, Vuylsteke A, Schreiber JU, Alston RP, Howell SJ, Wouters PF, Guarracino F, Unic-Stojanovic D, Martínez AH, Vives M, Gaudard P, Burtin P, Bettex D, Granell M, Szekely A, van der Maaten J, Antoniou T, Jiménez MJ, Szegedi L, Seeberger M, Erb JM, Singh R, von Dossow V, **Matute P**, Rosseel P, Marczin N, Landoni G, Wilkinson K, Diprose P, Mukherjee C, Paternoster G, El-Tahan MR; Education and Subspecialty Committees of the European Association of Cardiothoracic Anesthesiology (EACTA). European Association of Cardiothoracic Anesthesiology (EACTA) Cardiothoracic and Vascular Anesthesia Fellowship Curriculum: First Edition. *J Cardiothorac Vasc Anesth*. 2020 May;34(5):1132-1141. doi: 10.1053/j.jvca.2019.12.014. Epub 2019 Dec 17. PMID: 31948892.

10. Arguis MJ, Navarro R, Regueiro A, Arbelo E, Sierra P, Sabaté S, Galán J, Ruiz A, **Matute P**, Roux C, Gomar C, Rovira I, Mont L, Fita G. Manejo perioperatorio de la fibrilación auricular [Perioperative management of atrial fibrillation]. *Rev Esp Anestesiol Reanim*. 2014 May;61(5):262-71. Spanish. doi: 10.1016/j.redar.2013.01.004. Epub 2013 Mar 21. PMID: 23522980..

11. Alvarez Escudero J, Calvo Vecino JM, Veiras S, García R, González A; Working Group of the CPG. Clinical Practice Guideline (CPG)(**Matute P**). Recommendations on strategy for reducing risk of heart failure patients requiring noncardiac surgery: reducing risk of heart failure patients in noncardiac surgery. *Rev Esp Anestesiol Reanim*. 2015 Aug-Sep;62(7):359-419. doi: 10.1016/j.redar.2015.05.002. Epub 2015 Jul 8. PMID: 26164471.

12. Riambau V, Guerrero F, Murillo I, Rivadeneira M, Montaña X, **Matute P**. Stent grafting-related acute type B redissection. *Vascular*. 2008 Mar-Apr;16(2):101-5. doi: 10.2310/6670.2008.00004. PMID: 18377840.
13. Emperador F, Fita G, Arguís MJ, Gómez I, Tresandi D, **Matute P**, Roux C, Gomar C, Rovira I. The importance of intraoperative transesophageal echocardiography in the surgical decision in cardiac surgery. *Rev Esp Anesthesiol Reanim*. 2015 Jan;62(1):10-7. English, Spanish. doi: 10.1016/j.redar.2014.03.007. Epub 2014 Jul 18. PMID: 25041852.
14. Gómez-Caro A, García S, Jiménez MJ, **Matute P**, Gimferrer JM, Molins L. Lung sparing surgery by means of extended broncho-angioplastic (sleeve) lobectomies. *Arch Bronconeumol*. 2011 Feb;47(2):66-72. English, Spanish. doi: 10.1016/j.arbres.2010.09.010. Epub 2011 Jan 22. PMID: 21256657.
15. Riambau V, Capoccia L, Mestres G, **Matute P**. Spinal cord protection and related complications in endovascular management of B dissection: LSA revascularization and CSF drainage. *Ann Cardiothorac Surg*. 2014 May;3(3):336-8. doi: 10.3978/j.issn.2225-319X.2014.04.03. PMID: 24967177; PMCID: PMC4052421.
16. Coronel ML, Chamorro N, Blanco I, Amado V, Del Pozo R, Pomar JL, Badia JR, Rovira I, **Matute P**, Argemí G, Castellà M, Barberà JA. Medical and surgical management for chronic thromboembolic pulmonary hypertension: a single center experience. *Arch Bronconeumol*. 2014 Dec;50(12):521-7. English, Spanish. doi: 10.1016/j.arbres.2014.04.011. Epub 2014 Jun 21. PMID: 24957814.
19. Howell SJ, Hoeks SE, West RM, Wheatcroft SB, Hoeft A; OBTAIN Investigators of European Society of Anaesthesiology (ESA) Clinical Trial Network (**Matute P**). Prospective observational cohort study of the association between antiplatelet therapy, bleeding and thrombosis in patients with coronary stents undergoing noncardiac surgery. *Br J Anaesth*. 2019 Feb;122(2):170-179. doi: 10.1016/j.bja.2018.09.029. Epub 2018 Dec 15. PMID: 30686302.
20. van Zaane B, van Klei WA, Buhre WF, Bauer P, Boerma EC, Hoeft A, Metnitz P, Moreno RP, Pearse R, Pelosi P, Sander M, Vallet B, Pettilä V, Vincent JL, Rhodes A; European Surgical Outcomes Study (EuSOS) group for the Trials groups of the European Society of Intensive Care Medicine and the European Society of Anaesthesiology (**Matute P**). Nonelective surgery at night and in-hospital mortality: Prospective observational data from the European Surgical Outcomes Study. *Eur J Anaesthesiol*. 2015 Jul;32(7):477-85. doi: 10.1097/EJA.0000000000000256. PMID: 26001104.
21. Pearse RM, Moreno RP, Bauer P, Pelosi P, Metnitz P, Spies C, Vallet B, Vincent JL, Hoeft A, Rhodes A; European Surgical Outcomes Study (EuSOS) group for the Trials groups of the European Society of Intensive Care Medicine and the European Society of Anaesthesiology (**Matute P**). Mortality after surgery in Europe: a 7 day cohort study. *Lancet*. 2012 Sep 22;380(9847):1059-65. doi:

10.1016/S0140-6736(12)61148-9. PMID: 22998715; PMCID: PMC3493988.

22. Callejas R, Panadero A, Vives M, Duque P, Echarri G, Monedero P; Renal Dysfunction in Cardiac Surgery Spanish Group (GEDRCC2) (**Matute P**). Preoperative predictive model for acute kidney injury after elective cardiac surgery: a prospective multicenter cohort study. *Minerva Anestesiol*. 2019 Jan;85(1):34-44. doi: 10.23736/S0375-9393.18.12257-7. Epub 2018 May 11. PMID: 29756690.

23. Tena B, Gomar C, Roux C, Fontanals J, Jiménez MJ, Rovira I, Fita G, **Matute P**. Complicaciones graves de tipo mecánico asociadas al catéter de arteria pulmonar en cirugía cardiovascular y torácica [Serious mechanical complications associated with pulmonary artery catheters in cardiovascular and thoracic surgery]. *Rev Esp Anestesiol Reanim*. 2008 Oct;55(8):487-92. Spanish. doi: 10.1016/s0034-9356(08)70632-7. PMID: 18982786.

24. Parra V, Fita G, Rovira I, **Matute P**, Gomar C, Paré C. Transoesophageal echocardiography accurately detects cardiac output variation: a prospective comparison with thermodilution in cardiac surgery. *Eur J Anaesthesiol*. 2008 Feb;25(2):135-43. doi: 10.1017/S0265021507001354. Epub 2007 Aug 2. PMID: 17672920.

25. Sala-Blanch X, Pomés J, **Matute P**, Valls-Solé J, Carrera A, Tomás X, García-Diez AI. Intraneural injection during anterior approach for sciatic nerve block. *Anesthesiology*. 2004 Oct;101(4):1027-30. doi: 10.1097/00000542-200410000-00033. PMID: 15448541.

26. **Matute P**. Stent aórtico: punto de vista del anestesiólogo [Aortic stent: the anesthesiologist's point of view]. *Rev Esp Anestesiol Reanim*. 2001 Dec;48(10):496-8. Spanish. PMID: 11792310.

27. Izquierdo E, **Matute P**, Gomar C, Nalda MA. Desfibrilador-cardioversor automático implantable: experiencia anestésica [Implantable automatic cardioverter-defibrillator: anesthesia experience]. *Rev Esp Anestesiol Reanim*. 1995 Dec;42(10):424-7. Spanish. PMID: 8789527.

Faculty Publications List

1. Mechanism-Based Modeling of Perioperative Variations in Hemoglobin Concentration in Patients Undergoing Laparoscopic Surgery. Jaramillo S, Marco-Ariño N, Montane-Muntane M, Blasi A, **Navarro-Ripoll R**, de Peray-Bruel C, Vila-Cullell I, Gambús PL, Troconiz IF. *Anesth Analg*. 2023 Sep 4. doi: 10.1213/ANE.0000000000006634
2. Unilateral pulmonary edema associated factors after minimally invasive mitral valve surgery. **López-Baamonde M**, Eulufi S, Ascaso M, **Arguis MJ**, **Navarro-Ripoll R**, **Rovira I**. *Rev Esp Anesthesiol Reanim (Engl Ed)*. 2022 Mar;69(3):134-142. doi: 10.1016/j.redare.2021.03.012. Epub 2022 Mar 16. PMID: 35305949
3. Complicaciones nefrourológicas en paientes sometidos a resección pulmonar según la utilización o no de sondaje vesical. Martín-Baeza S, Franco-de la Fuente L, Vila-Cubell, Díaz-Sánchez E, gasulla-Guillermo A, **Navarro-Ripoll R**. *Enferm Nefrol* 2022;25(1)83-8
4. Difficult ventilation in a patient with a giant aortic aneurysm: A challenge for the anesthesiologist. Montane-Muntane M, Ascaso M, Rivera-Vallejo L, **Navarro-Ripoll R**. *Ann Card Anaesth*. 2023 Jan-Mar;26(1):86-89. doi: 10.4103/aca.aca_309_20
5. European Association of Cardiothoracic Anesthesiology and Intensive Care (EACTAIC) Fellowship Curriculum: Second Edition. Erdoes G, Wouters PF, Alston RP, Schreiber JU, Bettex D, Antoniou T, Benedetto M, Bouchez S, Szegedi L, Wilkinson K, Landoni G, Treskatsch S, Matute P, von Dossow V, Van Beersel D, Unic-Stojanovic D, Momeni M, Gaudard P, Szekely A, Burtin P, Flo-Forner A, Neto CN, Fassl J, Granell M, Erb JM, **Navarro-Ripoll R**, Vives M, Fetouh FA, Howell SJ, Marczin N, Martinez AH, Vuylsteke A, El-Ashmawi H, de Arroyabe BML, Mukherjee C, Rex S, Paternoster G, Guarracino F, El-Tahan MR. *J Cardiothorac Vasc Anesth*. 2022 Sep;36(9):3483-3500. doi: 10.1053/j.jvca.2022.05.022. Epub 2022 May 21.
6. European Association of Cardiothoracic Anesthesiology and Intensive Care Pediatric Cardiac Anesthesia Fellowship Curriculum: First Edition. El-Tahan MR, Erdoes G, van der Maaten J, Wilkinson K, Kousi T, Antoniou T, von Dossow V, Neto CN, Schindler E, Székely A, Forner AF, Wouters PF, Guarracino F, Burtin P, Unic-Stojanovic D, Schreiber JU, Matute P, Aboulfetouh F, **Navarro-Ripoll R**, Fassl J, Bettex D, Benedetto M, Szegedi L, Alston RP, Landoni G, Granell M, Gaudard P, Treskatsch S, Van Beersel D, Vuylsteke A, Howell S, Janai AR, Martinez AH, Erb JM, Vives M, El-Ashmawi H, Rex S, Mukherjee C, Paternoster G, Momeni M. *J Cardiothorac Vasc Anesth*. 2022 Mar;36(3):645-653. doi: 10.1053/j.jvca.2021.08.009. Epub 2021 Aug 8.
7. Multimodal Prehabilitation in Heart Transplant Recipients Improves Short-Term Post-Transplant Outcomes without Increasing Costs. **López-Baamonde M**, **Arguis MJ**, **Navarro-Ripoll R**, Gimeno-Santos E, Romano-Andrioni B, Sisó M, Terès-Bellès S, López-Hernández A, Burniol-García A, Farrero M, Sebío-García R, Sandoval E, Sanz-de la Garza M, Librero J, García-Álvarez A, Castel MÁ, Martínez-Pallí G; Hospital Clínic de Barcelona Prehabilitation Group (Surgifit). *J Clin Med*. 2023 May 28;12(11):3724. doi: 10.3390/jcm12113724. PMID: 37297919

8. Feasibility of a Multimodal Prehabilitation Programme in Patients Undergoing Cytoreductive Surgery for Advanced Ovarian Cancer: A Pilot Study. Diaz-Feijoo B, Agusti-Garcia N, Sebio R, López-Hernández A, Sisó M, Glickman A, Carreras-Dieguez N, Fuste P, Marina T, Martínez-Egea J, Aguilera L, Perdomo J, Pelaez A, **López-Baamonde M, Navarro-Ripoll R**, Gimeno E, Campero B, Torné A, Martínez-Palli G, **Arguis MJ**. *Cancers (Basel)*. 2022 Mar 23;14(7):1635. doi: 10.3390/cancers14071635.PMID: 35406407
9. Feasibility and effects of prehabilitation in cardiac surgery. Preliminary study. López-Hernández A, Arguis MJ, Gimeno-Santos E, **Navarro R**, Coca-Martínez M, Martínez-Pallí G. *Rev Esp Anestesiología y Reanimación (Engl Ed)*. 2023 Apr;70(4):218-223. doi: 10.1016/j.redare.2022.01.009. Epub 2023 Feb 24.PMID: 36842687
10. A multimodal prehabilitation program for the reduction of post-operative complications after surgery in advanced ovarian cancer under an ERAS pathway: a randomized multicenter trial (SOPHIE). Díaz-Feijoo B, Agusti N, Sebio R, Sisó M, Carreras-Dieguez N, Domingo S, Díaz-Cambronero O, Torne A, Martínez-Palli G, **Arguis MJ**. *Int J Gynecol Cancer*. 2022 Jul 6;ijgc-2022-003652. doi: 10.1136/ijgc-2022-003652. Online ahead of print.PMID: 35793862
11. Perioperative Nursing as the Guiding Thread of a Prehabilitation Program. Dana F, Sebio-García R, Tena B, Sisó M, Vega F, Peláez A, Capitán D, Ubré M, Costas-Carrera A, Martínez-Pallí G; Hospital Clínic de Barcelona Prehabilitation Group (**Arguis MJ, Navarro-Ripoll R, Perdomo J, Lopez-Baamonde M**). *Cancers (Basel)*. 2022 Oct 31;14(21):5376. doi: 10.3390/cancers14215376.PMID: 36358794 Review.
12. Preoperative triage to detect SARS-CoV-2 infection in surgical patients: lessons learned for resuming surgery. Pujol R, Rivas E, Gracia I, Caballero A, Matute P, Cuñat T, Basora M, Fábregas N, **Arguis MJ**, Forne DL, Balibrea JM, Besa A, Laguna G, Monsalve C, Lacy AM, Martínez-Pallí G; Perioperative COVID Group Hospital Clínic. *Surg Today*. 2023 Jun;53(6):709-717. doi: 10.1007/s00595-022-02610-8. Epub 2022 Oct 21.PMID: 36266480
13. Early procalcitonin to predict mortality in critically ill COVID-19 patients: a multicentric cohort study. Zattera L, Veliziotis I, Benitez-Cano A, Ramos I, Larrañaga L, Nuñez M, Román L, Adalid I, Ferrando C, Muñoz G, Arruti E, Minini A, Bassas E, Hernández M, Taccone FS, Peluso L, Adalia R; Spanish ICU NETWORK (**MJ Arguis**). *Minerva Anestesiologica*. 2022 Apr;88(4):259-271. doi: 10.23736/S0375-9393.22.15942-0. Epub 2022 Jan 24.PMID: 35072432
14. Actionable Factors Fostering Health Value Generation and Scalability of Prehabilitation: A Prospective Cohort Study. Risco R, González-Colom R, Montané-Muntané M, Cano I, Vela E, Sebio R, Dana F, Faner J, Coca M, Laxe S, Roca J, Martínez-Pallí G; Hospital Clínic de Barcelona Prehabilitation Group (**Arguis MJ, Navarro-Ripoll R, Perdomo J, Lopez-Baamonde M**). *Ann Surg*. 2023 Aug 1;278(2):e217-e225. doi: 10.1097/SLA.0000000000005662. Epub 2022 Aug 15.PMID: 35968894
15. Non-Intubated Thoracic Surgery: A Physiological Approach. Mudannayake R, Martínez G, Bello I, **Gimenez-Milà M**. *Arch Bronconeumol*. 2023 Jun 1;S0300-2896(23)00174-6.

16. High-Risk Acute Pulmonary Embolism: The Enemy Is Still Out There. Sandoval E, Moisés J, **Giménez-Milà M**. *J Cardiothorac Vasc Anesth*. 2023 Aug;37(8):1352-1353. doi: 10.1053/j.jvca.2023.03.037

17. Eficacia y seguridad de la técnica BASILICA en pacientes con alto riesgo de obstrucción coronaria sometidos a TAVI. Cepas-Guillén, P., Gabani, R., **Giménez-Milà, M.**, Sanchis, L., Freixa, X., & Regueiro, A. (2023). *Revista Española de Cardiología*.

18. Let's Reduce Bleeding Complications in Patients With Left Ventricular Assist Device. **Giménez-Milà M**, Sandoval E, Farrero M. *J Cardiothorac Vasc Anesth*. 2022 Sep;36(9):3435-3438. doi: 10.1053/j.jvca.2022.04.041.

19. Crossing the Boundaries of Treatment of Valvular Heart Disease in Patients With Liver Cirrhosis. **Giménez-Milà M**, Blasi A, Sabaté M, Regueiro A. *J Cardiothorac Vasc Anesth*. 2022 Dec;36(12):4237-4240. doi: 10.1053/j.jvca.2022.08.010

20. Spontaneous Coronary Artery Dissection: Rediscovering an old cause of myocardial infarction. Martinez, S., **Giménez-Milà, M.**, Cepas, P., Anduaga, I., Masotti, M., Matute, P., ... & Sabaté, M. (2022). *Journal of Cardiothoracic and Vascular Anesthesia*.

21. Dealing with the right side: carcinoid heart disease. Alvarez-Villegas, D., **Giménez-Milà, M.**, Sbraga, F., Camprubí, I., Gil, A., Valchanov, K., ... & Weiner, M. M. (2022). *Journal of cardiothoracic and vascular anesthesia*, 36(8), 2793-2802.

22. Comparison between two solute equations and bioimpedance for estimation of body fluid volumes. Hahn, R. G., & **Giménez-Milà, M.** (2022). *Intensive Care Medicine Experimental*, 10(1), 1-12.

23. Early detection of deterioration in COVID-19 patients by continuous ward respiratory rate monitoring: a pilot prospective cohort study Rivas E, **López-Baamonde M**, Sanahuja J, **Del Rio E**, Ramis T, Recasens A, López A, Arias M, Kampakis S, Lauteslager T, Awara O, Mascha EJ, Soriano A, Badía JR, Castro P and Sessler DI (2023). *Front. Med*. 10:1243050. doi: 10.3389/fmed.2023.1243050

24. Hypotension-Avoidance Versus Hypertension-Avoidance Strategies in Noncardiac Surgery : An International Randomized Controlled Trial. Marcucci M, Painter TW, Conen D, Lomivorotov V, Sessler DI, Chan MTV, Borges FK, Leslie K, Duceppe E, Martínez-Zapata MJ, Wang CY, Xavier D, Ofori SN, Wang MK, Efremov S, Landoni G, Kleinlugtenbelt YV, Szczeklik W, Schmartz D, Garg AX, Short TG, Wittmann M, Meyhoff CS, Amir M, Torres D, Patel A, Ruetzler K, Parlow JL, Tandon V, Fleischmann E, Polanczyk CA, Lamy A, Jayaram R, Astrakov SV, Wu WKK, Cheong CC, Ayad S, Kirov M, de Nadal M, Likhvantsev VV, Paniagua P, Aguado HJ, Maheshwari K, Whitlock RP, McGillion MH, Vincent J, Copland I, Balasubramanian K, Biccand BM, Srinathan S, Ismoilov S, Pettit S, Stillo D, Kurz A, Belley-Côté EP, Spence J, McIntyre WF, Bangdiwala SI, Guyatt G, Yusuf S, Devereaux PJ; POISE-3 Trial Investigators and Study Groups (**Matute P, López-Baamonde M**). *Ann Intern Med*. 2023 May;176(5):605-614. doi: 10.7326/M22-3157. Epub 2023 Apr 25.

25. User Perceptions of Visual Blood: An International Mixed Methods Study on Novel Blood Gas Analysis Visualization. Gasciauskaite G, Lunkiewicz J, Schweiger G, Budowski AD, Henckert D, Roche TR, Bergauer L, Meybohm P, Hottenrott S, Zacharowski K, Raimann FJ, Rivas E, **López-Baamonde M**, Ganter MT, Schmidt T, Nöthiger CB, Tscholl DW, Akbas S. *Diagnosics (Basel)*. 2023 Sep 30;13(19):3103. doi: 10.3390/diagnostics13193103.
26. Avatar-based patient monitoring improves information transfer, diagnostic confidence and reduces perceived workload in intensive care units: computer-based, multicentre comparison study. Bergauer L, Braun J, Roche TR, Meybohm P, Hottenrott S, Zacharowski K, Raimann FJ, Rivas E, **López-Baamonde M**, Ganter MT, Nöthiger CB, Spahn DR, Tscholl DW, Akbas S. *Sci Rep*. 2023 Apr 11;13(1):5908. doi: 10.1038/s41598-023-33027-z.
27. Effect of Multimodal Prehabilitation on Reducing Postoperative Complications and Enhancing Functional Capacity Following Colorectal Cancer Surgery: The PREHAB Randomized Clinical Trial. Molenaar CJL, Minnella EM, Coca-Martinez M, Ten Cate DWG, Regis M, Awasthi R, Martínez-Palli G, **López-Baamonde M**, Sebío-García R, Feo CV, van Rooijen SJ, Schreinemakers JMJ, Bojesen RD, Gögenur I, van den Heuvel ER, Carli F, Slooter GD; PREHAB Study Group. *JAMA Surg*. 2023 Jun 1;158(6):572-581. doi: 10.1001/jamasurg.2023.0198.
28. Visual Blood, Visualisation of Blood Gas Analysis in Virtual Reality, Leads to More Correct Diagnoses: A Computer-Based, Multicentre, Simulation Study. Bergauer L, Akbas S, Braun J, Ganter MT, Meybohm P, Hottenrott S, Zacharowski K, Raimann FJ, Rivas E, **López-Baamonde M**, Spahn DR, Noethiger CB, Tscholl DW, Roche TR. *Bioengineering (Basel)*. 2023 Mar 8;10(3):340. doi: 10.3390/bioengineering10030340.
29. Construction and Evaluation of a Realistic Low-Cost Model for Training in Chest-Tube Insertion. **López-Baamonde M**, Perdomo JM, Ibáñez C, Angelès-Fité G, Magaldi M, Panzeri MF, Bergé R, Gómez-López L, Guirao Montes Á, Gomar-Sancho C; SIMCLÍNICA-ANESTHESIOLOGY. *Simul Healthc*. 2023 Mar 9. doi: 10.1097/SIH.0000000000000720.
30. Airway management in a patient with megaesophagus and alimentary impact. Panzeri MF, **López-Baamonde M**, Borrat X, Rivas E. *Rev Esp Anestesiología y Reanimación (Engl Ed)*. 2023 Mar;70(3):185-186. doi: 10.1016/j.redare.2023.02.003. Epub 2023 Feb 24.
31. Elective surgery system strengthening: development, measurement, and validation of the surgical preparedness index across 1632 hospitals in 119 countries. NIHR Global Health Unit on Global Surgery; COVIDSurg Collaborative (**López-Baamonde M**).
32. Neuroleptic malignant syndrome in a postoperative patient: A case report. Fervienza A, **López-Baamonde M**, Jacas A, Muñoz G, Ibáñez C, Del Río ME. *Rev Esp Anestesiología y Reanimación (Engl Ed)*. 2022 Jun-Jul;69(6):364-367. doi: 10.1016/j.redare.2022.06.004. Epub 2022 Jun 24.
33. Intraoperative positive end-expiratory pressure and postoperative pulmonary complications: a patient-level meta-analysis of three randomised clinical trials.

Campos NS, Bluth T, Hemmes SNT, Librero J, Pozo N, Ferrando C, Ball L, Mazzinari G, Pelosi P, Gama de Abreu M, Schultz MJ, Serpa Neto A; REPEAT; investigators for the PROVHILO study; iPROVE study; PROBESE study investigators (**López-Baamonde M, Del Rio E**); PROVE Network.Br J Anaesth. 2022 Jun;128(6):1040-1051. doi: 10.1016/j.bja.2022.02.039. Epub 2022 Apr 15.

34. Tranexamic Acid in Patients Undergoing Noncardiac Surgery. Devereaux PJ, Marcucci M, Painter TW, Conen D, Lomivorotov V, Sessler DI, Chan MTV, Borges FK, Martínez-Zapata MJ, Wang CY, Xavier D, Ofori SN, Wang MK, Efremov S, Landoni G, Kleinlugtenbelt YV, Szczeklik W, Schmartz D, Garg AX, Short TG, Wittmann M, Meyhoff CS, Amir M, Torres D, Patel A, Duceppe E, Ruetzler K, Parlow JL, Tandon V, Fleischmann E, Polanczyk CA, Lamy A, Astrakov SV, Rao M, Wu WKK, Bhatt K, de Nadal M, Likhvantsev VV, Paniagua P, Aguado HJ, Whitlock RP, McGillion MH, Prystajecky M, Vincent J, Eikelboom J, Copland I, Balasubramanian K, Turan A, Bangdiwala SI, Stillo D, Gross PL, Cafaro T, Alfonsi P, Roshanov PS, Belley-Côté EP, Spence J, Richards T, VanHelder T, McIntyre W, Guyatt G, Yusuf S, Leslie K; POISE-3 Investigators (**Matute P, López-Baamonde M, Italiano S**). N Engl J Med. 2022 May 26;386(21):1986-1997. doi: 10.1056/NEJMoa2201171. Epub 2022 Apr 2.

35. Repeatability and learning effect in the 6MWT in preoperative cancer patients undergoing a prehabilitation program. Sebío-García R, Dana F, Gimeno-Santos E, **López-Baamonde M**, Ubré M, Montané-Muntané M, Risco R, Messagi-Sartor M, Roca J, Martínez-Palli G.Support Care Cancer. 2022 Jun;30(6):5107-5114. doi: 10.1007/s00520-022-06934-6. Epub 2022 Feb 28.

36. Oropharyngeal injuries associated to video laryngoscopy intubation. **López-Baamonde M**, Arias Salazar M, Ubré M, Martínez Ocón J.Rev Esp Anesthesiol Reanim (Engl Ed). 2022 Feb;69(2):125-126. doi: 10.1016/j.redare.2020.11.011. Epub 2022 Feb 12.

37. Association between use of enhanced recovery after surgery protocols and postoperative complications in colorectal surgery in Europe: The EuroPOWER international observational study. Ripollés-Melchor J, Abad-Motos A, Cecconi M, Pearse R, Jaber S, Slim K, Francis N, Spinelli A, Joris J, Ioannidis O, Zarzava E, Şentürk NM, Koopman S, Goettel N, Stundner O, Vymazal T, Kocián P, El-Hussuna A, Pędziwiatr M, Gudaityte J, Latkauskas T, Santos MD, Machado H, Zahorec R, Cvetković A, Miric M, Georgiou M, Díez-Remesal Y, Jammer I, Mena GE, Zorrilla-Vaca A, Marino MV, Suárez-de-la-Rica A, García-Erce JA, Logroño-Ejea M, Ferrando-Ortolá C, De-Fuenmayor-Valera ML, Ugarte-Sierra B, de Andrés-Ibañez J, Abad-Gurumeta A, Pellino G, Gómez-Ríos MA, Poggioli G, Menzo-Wolthuis A, Castellano-Paulis B, Galán-Menéndez P, Aldecoa C, Ramírez-Rodríguez JM; EuroPOWER Study Investigators Group; Spanish Perioperative Audit and Research Network (RedGERM-SPARN) (**López-Baamonde M**); Francophone Group for Enhanced Recovery After Surgery (GRACE).J Clin Anesth. 2022 Sep;80:110752. doi: 10.1016/j.jclinane.2022.110752. Epub 2022 Apr 8.

38. Intraoperative open lung condition and postoperative pulmonary complications. A secondary analysis of iPROVE and iPROVE-O2 trials. Ferrando C, Librero J, Tusman G, Serpa-Neto A, Villar J, Belda FJ, Costa E, Amato MBP, Suarez-Sipmann F; iPROVE

Network Group (**López-Baamonde M, Del Rio E**). Acta Anaesthesiol Scand. 2022 Jan;66(1):30-39. doi: 10.1111/aas.13979. Epub 2021 Sep 22.

39. Intraoperative positive end-expiratory pressure and postoperative pulmonary complications: a patient-level meta-analysis of three randomised clinical trials. Niklas S Campos , Thomas Bluth , Sabine N T Hemmes , Julian Librero , Natividad Pozo , Carlos Ferrando , Lorenzo Ball , Guido Mazzinari, Paolo Pelosi , Marcelo Gama de Abreu , Marcus J Schultz, A Serpa Neto ; REPEAT; investigators for the PROVHILO study; iPROVE study (**Del Rio E**); PROBESE study investigators; PROVE Network. Br J Anaesth. 2022 Jun;128(6):1040-1051. doi: 10.1016/j.bja.2022.02.039

40. Higher Adherence to ERAS Society® Recommendations is Associated with Shorter Hospital Stay Without an Increase in Postoperative Complications or Readmissions in Bariatric Surgery: The Association Between Use of Enhanced Recovery After Surgery Protocols and Postoperative Complications after Bariatric Surgery (POWER 3) Multicenter Observational Study. Javier Ripollés-Melchor , Raquel Sánchez-Santos, Ane Abad-Motos , Ana M Gimeno-Moro Yolanda Díez-Remesal, Patricia Jove-Alborés , Pablo Aragón-Chofre , Sergio Ortiz-Sebastian, Rubén Sánchez-Martín, José M Ramírez-Rodríguez , Ramón Trullenque-Juan, Víctor Valentí-Azcárate, Álvaro Ramiro-Ruiz, Olga C Correa-Chacón , Astrid Batalla, Cassandra Gimeno-Grauwinkel , Josep Martí Sanahuja-Blasco, Francisco M González-Valverde , Patricia Galán-Menéndez, Miren J Díez-Zapirain, Ramón Vilallonga , Andrés Zorrilla-Vaca , Ana M Pascual-Bellosta , Javier Martínez-Ubieto , Teresa Carrascosa-Mirón, Alicia Ruiz-Escobar, Ester Martín-García-Almenta, Alejandro Suárez-de-la-Rica, Marc Bausili, Ángela Palacios-Cordoba , María M Olvera-García, Julio A Meza-Vega, Andrés Sánchez-Pernaute , Alfredo Abad-Gurumeta, Carlos Ferrando-Ortola, Beatriz Martín-Vaquerizo , José R Torres-Alfonso, Sandra Aguado-Sánchez, Fátima Sánchez-Cabezudo-Noguera, José A García-Erce , César Aldecoa ; POWER 3 Study Investigators Group (**Del Rio E**). Obes Surg. 2022 Apr;32(4):1289-1299. doi: 10.1007/s11695-022-05949-6.

41. Peri-interventional outcome study in the elderly in Europe: A 30-day prospective cohort study. POSE-Study group (**Del Rio E**). Eur J Anaesthesiol. 2022 Mar 1;39(3):198-209. doi: 10.1097/EJA.0000000000001639.

42. L investigators (**Perdomo J**); European Society of Anaesthesiology and Intensive Care. Risk assessment for major adverse cardiovascular events after noncardiac surgery using self-reported functional capacity: international prospective cohort study. Br J Anaesth. 2023 Jun;130(6):655-665. doi: 10.1016/j.bja.2023.02.030. Epub 2023 Apr 1. PMID: 37012173.

43. Molina Andújar A, Lucas A, Escudero VJ, **Rovira I**, Matute P, **Ibañez C**, Blasco M, Sandoval E, Ruiz J, Chorda Sánchez M, Piñeiro GJ, Quintana E, Poch E. Risk Factors for Acute Kidney Injury Following Cardiac Surgery and Performance of Leicester Score in a Spanish Cohort. J Clin Med. 2022 Feb 9;11(4):904. doi: 10.3390/jcm11040904. PMID: 35207177; PMCID: PMC8876028.

44. Molina Andújar A, Escudero VJ, Piñeiro GJ, Lucas A, **Rovira I**, Matute P, **Ibañez C**, Blasco M, Quintana LF, Sandoval E, Sánchez MC, Quintana E, Poch E. Impact of cardiac surgery associated acute kidney injury on 1-year major adverse kidney events. Front Nephrol. 2023

Apr 24;3:1059668. doi: 10.3389/fneph.2023.1059668. PMID: 37675375; PMCID: PMC10479748. 45. Therapeutic Issues in Relapsing Enterococcus faecalis Endocarditis. Guillermo Cuervo, Carlos Báguena , Jaume Llopis , Juan M Pericàs , Anders Dahl , Vivian Chu , José M Miró ; Hospital Clinic Endocarditis Team Investigators (Irene Rovira). Clin Infect Dis, 2023 Apr 17;76(8):1524-1525.

46. Risk scores' performance and their impact on operative decision-making in left-sided endocarditis: a cohort study. A Fernández-Cisneros , M Hernández-Meneses , J Llopis , E Sandoval, D Pereda, J Alcocer, C Barriuso , M Castellá , J Ambrosioni , J M Pericàs , B Vidal, C Falces, **C Ibáñez, J Perdomo, I Rovira**, C García-de-la-María, A Moreno, M Almela, A Perisinotti, A Dahl, P Castro, J M Miró, E Quintana ; Equip d'Endocarditis de l'Hospital Clínic de Barcelona. Eur J Clin Microbiol Infect Dis, 2023 Jan;42(1):33-42.

47. 47. Impact of intermediate susceptibility to penicillin on antimicrobial treatment and outcomes of endocarditis caused by viridans and gallolyticus group streptococc. Francesc Escrihuella-Vidal, Damaris Berbel, Núria Fernández-Hidalgo, Laura Escolà-Vergé , Patricia Muñoz, María Olmedo, Miguel Ángel Goenaga, Josune Goikoetxea, María Carmen Fariñas, Aristides De Alarcón, José M Miró, Guillermo Ojeda, Antonio Plata, Guillermo Cuervo, Jordi Carratalà and GAMES investigators (**Irene Rovira**) Clin Infect Dis, 2023 Jun 22:ciad375. doi: 10.1093/cid/ciad375.

48. The hidden side of infective endocarditis: Diagnostic and management of 500 consecutive cases in noncardiac surgery centers (2009-2018). Sonia Calzado , Marta Hernández-Meneses , Jaume Llopis , Lucía Boix-Palop , Beatriz Dietl , Esther Calbo , Marta Andrés , Xelo García , Carme Agustí , Esther Dorca , José M Tricas , Javier Díez de Los Ríos , Jordi Cuquet , Antonio Cárdenas, Juan Manuel Roca, María Ortiz, Ana Paula Caresia, Laura Guillamon , Eduard Quintana, Juan Ambrosioni, Oriol Gasch, José M Miró ; Central Catalonia 10 Endocarditis Teams (CC10ET) (**Irene Rovira**). Surgery 2023 Sep;174(3):602-610.

49. Von Groote, T. C., Ostermann, M., Forni, L. G., Meersch-Dini, M., Zarbock, A., Schmidt, C., Hoffmeier, A., Aken, H., Wempe, C., Küllmar, M., Lucchese, G., Baig, K., Cennamo, A., Rajani, R., McCorkell, S., Arndt, C., Wulf, H., Irgsusi, M., Monaco, et al (Colaboradores **S Italiano**). (2022). The AKI care bundle: all bundle components are created equal-are they? Intensive Care Med. 2022 Feb;48(2):242-245. doi: <https://doi.org/10.1007/S00134-021-06601-0>

50. Marcucci M, Painter TW, Conen D, Lomivorotov V, Sessler DI, Chan MT V, et al (Colaboradores **S Italiano**). Hypotension-Avoidance Versus Hypertension-Avoidance Strategies in Noncardiac Surgery : An International Randomized Controlled Trial. Ann Intern Med. 2023 May;176(5):605-614. doi: 10.7326/M22-3157

51. Preintervention imaging and intraoperative management care of the hypertrophic obstructive cardiomyopathy patient. Jacobo Moreno Garijo, **Cristina Ibáñez, Juan M Perdomo**, Martin D Abel, Massimiliano Meineri. Asian Cardiovascular and Thoracic Annals. 2022 30(1) 35–42.

52. Risk-scores performance and their impact on operative decision-making in left-sided endocarditis. A cohort study. A. Fernández-Cisneros, M. Hernández-Meneses, J. Llopis , E.

Sandoval, D. Pereda, J. Alcocer, C. Barriuso, M. Castellá, J. Ambrosioni, J. M. Pericàs, B. Vidal, C. Falces, **C. Ibáñez, J. Perdomo, I. Rovira** C. García-de-la-María, A. Moreno, M. Almela, A. Perisinotti, A. Dahl, P. Castro, J. M. Miró, E. Quintana. *European Journal of clinical microbiology and infectious diseases*. 2022 42:33-42