



3.6.7 Translational Research and Innovation in General and Digestive Surgery Group

Publications:58 | Q1:34

COMPOSITION

Constantino Fondevila Campo.

Jefe de Servicio de Cirugía General y Digestiva. Hospital Universitario La Paz

- **Ramón Cantero Cid.** Facultativo Especialista de Área en Cirugía General y de Aparato Digestivo. Hospital Universitario La Paz
- **Francisca García-Moreno Nisa.** Jefe de Sección de Cirugía de Urgencias. Hospital Universitario La Paz
- **Joaquín Gómez Ramírez.** Coordinador Unidad de Cirugía Endocrina. Hospital Universitario La Paz
- **Jenny Rosario Guevara Martínez.** Facultativo Especialista de Área en Cirugía General y de Aparato Digestivo. Hospital Universitario La Paz
- **Amelia Hessheimer.** Facultativo Especialista de Área en Cirugía General y de Aparato Digestivo. Hospital Universitario La Paz
- **Arnau Paniselló Roselló.** Investigador Postdoctoral. Institute George Lopez
- **Javier Muñoz Luque.** Técnico de Grado Superior. CIBEREHD
- **Elisa York Pineda.** Facultativo Especialista de Área en Cirugía General y de Aparato Digestivo. Hospital Universitario La Paz
- **Inés Rubio Pérez.** Facultativo Especialista de Área en Cirugía General y de Aparato Digestivo. Hospital Universitario La Paz
- **Isabel Pascual Miguelañez.** Facultativo Especialista de Área en Cirugía General y de Aparato Digestivo. Hospital Universitario La Paz
- **Maria Isabel Prieto Nieto.** Facultativo Especialista de Área en Cirugía General y de Aparato Digestivo. Hospital Universitario La Paz
- **Javier Salinas Gómez.** Facultativo Especialista de Área en Cirugía General y de Aparato Digestivo. Hospital Universitario La Paz
- **Juan José Segura Sampedro.** Facultativo Especialista de Área en Cirugía General y de Aparato Digestivo. Hospital Universitario La Paz
- **Mario Álvarez Gallego.** Facultativo Especialista de Área en Cirugía General y de Aparato Digestivo. Hospital Universitario La Paz
- **Ramón Corripio Sánchez.** Facultativo Especialista de Área en Cirugía General y de Aparato Digestivo. Hospital Universitario La Paz
- **Aída Vaquero Rey.** Investigadora Predoctoral. FIBHULP
- **Jordi Vengohechea Llorens.** Investigador Predoctoral. Universidad de Barcelona

STRATEGIC OBJECTIVE

- **PROBLEM:** Surgery and perioperative care encompass one of the most expensive and resource-intensive areas of clinical medicine. Surgical patients undergo complex interventions, with the goal of curing or at least relieving distressing symptoms from different medical conditions. These same interventions, however, may sometimes result ineffective in achieving this goal. Additionally, they can provoke complications (morbidity) and further affect a patient's physical, mental, and emotional states.
- **APPROACH:** The Translational Research & Innovation in General Surgery Group (GITIC) is a multidisciplinary group comprised of surgeons, nurses, and biologists, with various areas of dedication and expertise. The GITIC team works together with the common goal of using surgical innovation and diverse research initiatives to offer the highest level of patient care possible today.
- Given its broad knowledge base and skill set, projects that GITIC currently develops include lines of basic science and experimental research, translational and pre-clinical surgical models, clinical investigation, analysis of post-surgical outcomes, studies involving economic evaluation, the creation of mathematical models, and surgical device design and implementation.
- In order to fulfill its broad research interests and initiatives, GITIC actively collaborates not only with other groups within Hospital Universitario La Paz and IdiPAZ but also other hospitals and public and private research institutions in Spain and abroad. The following is a list of some of GITIC's current collaborations:
 - Donation & Transplantation Institute (DTI), Barcelona, España
 - Guangong Shunde Innovative Design Institution, Guangdong, China
 - Hospital Virgen de la Salud, Toledo, España
 - Universidad Internacional de Catalunya (UIC), Sant Cugat, España
 - Policlinico Universitario "A. Gemelli", Università Cattolica del Sacro Cuore, Roma, Italia
 - Instituto de Empresa (IE), Madrid, España.
 - Tekniker, Gipuzkoa, España.





RESEARCH LINES

- Injury, inflammation, organ failure, & transplantation:
- Assessment and implications of chronic inflammation in obesity
- Experimental models of end-stage liver disease and portal hypertension
- Applicability and results of liver transplantation in the treatment of acute-on-chronic liver failure
- Approaches to transplantation in patients with complex portal vein thrombosis
- Translation and clinical research in ischemia-reperfusion injury
- Novel preservation solutions and techniques of in situ and ex situ organ machine perfusion
- Clinical outcomes and strategies for improvement in donation after circulatory death (DCD) organ transplantation
- Assessment and clinical implications of markers of allograft dysfunction following liver transplantation
- **Surgical oncology:**
- Evaluation of a novel polyfunctional immune liquid biopsy platform to predict and improve responses to cancer immunotherapy using innate immunomodulators
- Evaluation of the utility of cryoablation to provoke immune activation and response to immunotherapy in primary breast tumors
- Evaluation of the diagnostic and therapeutic role of novel immune checkpoints in colon cancer
- Development of three-dimensional in vitro organoid biomodels of colon cancer
- Combination of "omic" and imaging techniques to identify markers associated with response to neoadjuvant therapy in rectal cancer patients
- Effectiveness and safety of hyperthermic intraperitoneal chemotherapy in the prevention of peritoneal recurrence in high-risk colorectal cancer patients
- Immunological and molecular predictors of ovarian cancer arising in the background of endometriosis (Collaboration with H.U. La Paz Gynecology Service)
- **Surgical technology & innovation:**
- Development and pre-clinical evaluation of a novel device for ex situ liver machine perfusion
- Development and clinical trial assessment on the safety and feasibility of a novel rectoscope for rectal cancer surgery
- Development and utility assessment of novel surgical drains
- Evaluation of novel surgical techniques strategies to reduce drainage following axillary lymphadenectomy in breast cancer therapy
- **Value-based care:**
- Patient safety and prevention of perioperative infection
- Evaluation of "best possible outcomes" (benchmarks) in surgical care
- Assessment of perioperative complications, patient quality of life, and postoperative disability following general surgical operations
- Cost-effectiveness and cost-utility of postoperative cancer surveillance strategies
- Economic evaluation of novel surgical approaches and technologies

RESEARCH ACTIVITY

Doctoral theses

- **Martín Prieto L.** Utilidad de un programa de tratamiento de Biofeedback electromiográfico y Electroestimulación endoanal para pacientes con Incontinencia Fecal[dissertation]. Madrid: UAM: 2023(15/09/2023). Director: Pascual Miguelañez I.

Final Degree Theses

- **Cubillo Heras P.** Bocios grandes ¿factor de riesgo para hipoparatiroidismo postquirúrgico?[dissertation]. Madrid: UAH: 2023(30/06/2023). Director: Gómez Ramírez J.

Publications

- **Aguilar JN, Dovigo AG, González JA, Conde BG, Aguirre PA, Ares DM, González JS, Redondo MPD, Díaz OM, García MIT, Rivas AD, Rivilla SD, Marcos JMR, Ruiz PR, Pallarés PD, Gallego MA, Besteiro IG.** Multicenter clinical trial for the resection of rectal polyps using a new laparoendoscopic hybrid transanal access device. *Cir Espan.* 2023; 101(6): 435-44. Article. IF: 1.3; Q3
- **Aizza G, Russolillo N, Ferrero A, Syn NL, Cipriani F, Aghayan D, Marino MV, Memeo R, Mazzaferro V, Chiow AKH, Sucandy I, Ivanecz A, Vivarelli M, Di Benedetto F, Choi SH, Lee JH, Park JO, Gastaca M, Fondevila C, Efanov M, Rotellar F, Choi GH, Robles-Campos R, Wang XY, Sutcliffe RP, Pratschke J, Tang CN, Chong CC, D'Hondt M, Yong CC, Ruzzenente A, Herman P, Kingham TP, Scatton O, Liu R, Sandri GBL, Soubrane O, Mejia A, López-Ben S, Monden K, Wakabayashi G, Cherqui D, Troisi RI, Yin MQ, Giulianti F, Geller D, Sugioka A, Edwin B, Cheung TT, Long TCD, Abu Hilal M, Fuks D, Chen KH, Aldrighetti L, Han HS, Goh BKP.** Impact of tumor size on the difficulty of laparoscopic left lateral sectionectomies. *J Hepato-Bil-Pan Sci.* 2023; 30(5): 558-69. Article. IF: 3.2; Q2
- **Ashwat E, Kaltenmeier C, Liu H, Reddy D, Thompson A, Dharmayan S, Aylloo S, Nadalin S, Ciccarelli O, Xu QY, Adam R, Karam V, Zie-**

- niewicz K, Mirza D, Heneghan M, Romagnoli R, Paul A, Cherqui D, Pratschke J, Boudjema K, Schemmer P, Rodriguez FS, Lodge P, De Simone P, Bachellier P, Fronek J, Fondevila C, Molinari M.** Validation of the liver transplant risk score in Europe. *Brit J Surg.* 2023; 110(3): 302-5. Editorial Material. IF: 8.6; D1
- **Badia JM, del Toro MD, Gracia JFN, Ballebrea JM, Herruzo R, Sánchez CG, García JL, Pérez IR, Guirao X, Soria-Aledo V, Ortí-Lucas R.** Surgical infection reduction program of the observatory of surgical infection (PRIO-O): Delphi prioritization and consensus document on recommendations for the prevention of surgical site infection. *Cir Espan.* 2023; 101(4): 238-51. Article. IF: 1.3; Q3
- **Berardi G, Kingham TP, Zhang WG, Syn NL, Koh YX, Jaber B, Aghayan DL, Siow TF, Lim C, Scatton O, Herman P, Coelho FF, Marino MV, Mazzaferro V, Chiow AKH, Sucandy I, Ivanecz A, Choi SH, Lee JH, Gastaca M, Vivarelli M, Giulianti F, Dalla B, Ruzzenente A, Yong CC, Chen ZW, Yin MQ, Fondevila C, Efanov M, Morise Z, Di Benedetto F, Brustia R, Dalla Valle R, Boggi U, Geller D, Belli A, Memeo R, Gruttadauria S, Mejia A, Park JO, Rotellar F, Choi GH, Robles-Campos R, Wang XY, Sutcliffe RP, Schmelzle M, Pratschke J, Lai ECH, Chong CCN, Meurs J, D'Hondt M, Monden K, López-Ben S, Liu Q, Liu R, Ferrero A, Ektorre GM, Cipriani F, Pascual F, Cherqui D, Zheng JH, Liang X, Soubrane O, Wakabayashi G, Troisi RI, Cheung TT, Kato Y, Sugioka A, D'Silva M, Han HS, Nghia PP, Long TCD, Edwin B, Fuks D, Abu Hilal M, Aldrighetti L, Chen KH, Goh BKP.** Impact of body mass index on perioperative outcomes of laparoscopic major hepatectomies. *Surgery.* 2023; 174(2): 259-67. Article. IF: 3.2; Q1
- **Berenguer M, de Martín E, Hessheimer AJ, Levitsky J, Maluf DG, Mas VR, Selzner N, Hernández-Evole H, Lutu A, Wahid N, Zubair H.** European society for organ transplantation consensus statement on biomarkers in liver transplantation. *Transpl Int.* 2023; 36: 11358. Article. IF: 2.7; Q1



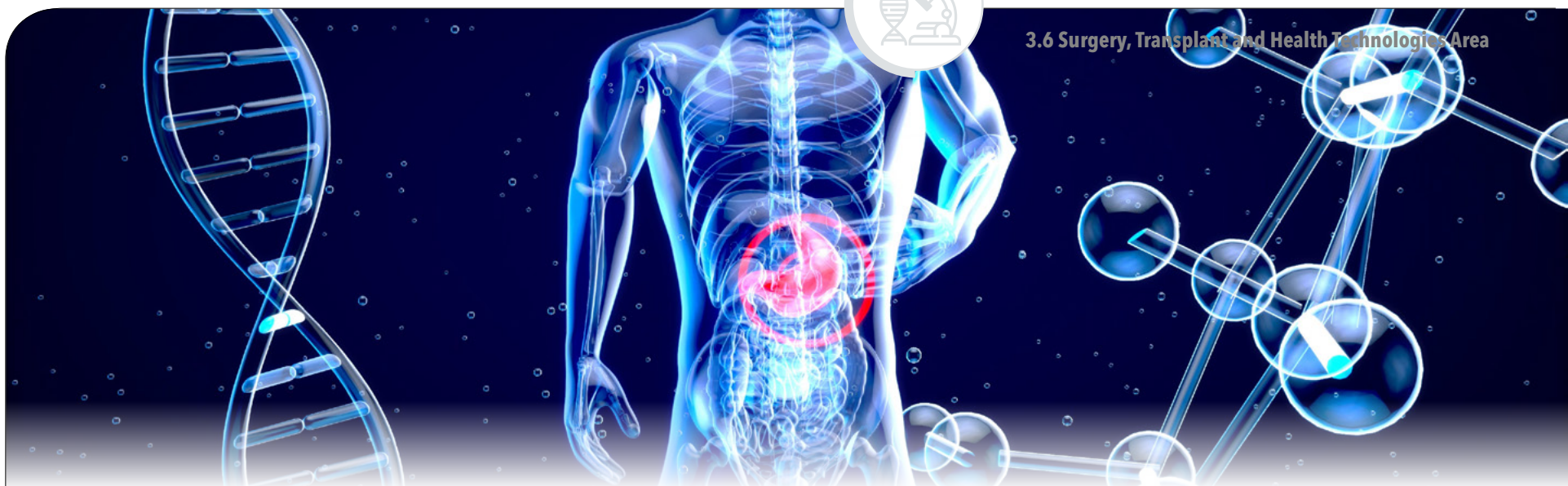
- **Bueno-Lledó J, Rubio-Pérez I, Moreno-Gijón M, Olona-Casas C, Barbosa E, Molina JM, Castellanos G.** Prophylactic use of incisional negative pressure wound therapy for the prevention of surgical site occurrences in general surgery: Consensus document. *Surgery*. 2023; 173(4): 1052-9. Article. IF: 3.2; Q1
- **Chen ZW, Yin MQ, Fu JH, Yu S, Syn NL, Chua DW, Kingham TP, Zhang WG, Hoogteijling TJ, Aghayan DL, Siow TF, Scatton O, Herman P, Marino MV, Mazzaferro V, Chiow AKH, Sucandy I, Ivanecz A, Choi SH, Lee JH, Prieto M, Vivarelli M, Giuliantie F, Ruzzenente A, Yong CC, Dokmak S, Fondevila C, Efanov M, Morise Z, Di Benedetto F, Brustia R, Dalla Valle R, Boggi U, Geller D, Belli A, Memeo R, Gruttadauria S, Mejia A, Park JO, Rotellar F, Choi GH, Robles-Campos R, Wang XY, Sutcliffe RP, Pratschke J, Lai ECH, Chong CCN, D'Hondt M, Monden K, López-Ben S, Liu Q, Liu R, Ferrero A, Ettorre GM, Cipriani F, Cherqui D, Liang X, Soubrane O, Wakabayashi G, Troisi RI, Cheung TT, Kato Y, Sugioka A, Han HS, Long TCD, Fuks D, Abu Hilal M, Aldrighetti L, Chen KH, Edwin B, Goh BKP.** Impact of body mass index on the difficulty and outcomes of laparoscopic left lateral sectionectomy. *EJSO-Eur J Surg Onc*. 2023; 49(8): 1466-73. Article. IF: 3.5; Q2
- **Cheung TT, Liu R, Cipriani F, Wang XY, Efanov M, Fuks D, Choi GH, Syn NL, Chong CCN, Di Benedetto F, Robles-Campos R, Mazzaferro V, Rotellar F, López-Ben S, Park JO, Mejia A, Sucandy I, Chiow AKH, Marino MV, Gastaca M, Lee JH, Kingham TP, D'Hondt M, Choi SH, Sutcliffe RP, Han HS, Tang CN, Pratschke J, Troisi RI, Wakabayashi G, Cherqui D, Giuliantie F, Aghayan DL, Edwin B, Scatton O, Sugioka A, Long TCD, Fondevila C, Abu Hilal M, Ruzzenente A, Ferrero A, Herman P, Chen KH, Aldrighetti L, Goh BKP.** Robotic versus laparoscopic liver resection for huge (≥ 10 cm) liver tumors: an international multicenter propensity-score matched cohort study of 799 cases. *Hepatobil Surg Nutr*. 2023; 12(2): 205-15. Article. IF: 6.1; Q1
- **Claasen MPAW, Sneiders D, Rakké YS, Adam R, Bhoori S, Cillo U, Fondevila C, Reig M, Sap-isochin G, Tabrizian P, Toso C.** European Society of Organ Transplantation (ESOT) consensus report on downstaging, bridging and immunotherapy in liver transplantation for hepatocellular carcinoma. *Transpl Int*. 2023; 36: 11648. Article. IF: 2.7; Q1
- **Coelho FF, Herman P, Kruger JAP, Wu AGR, Chin KM, Hasegawa K, Zhang WG, Alzoubi M, Aghayan DL, Siow TF, Scatton O, Kingham TP, Marino M, Mazzaferro V, Chiow AKH, Sucandy I, Ivanecz A, Choi SH, Lee JH, Gastaca M, Vivarelli M, Giuliantie F, Ruzzenente A, Yong CC, Dokmak S, Fondevila C, Efanov M, Morise Z, Di Benedetto F, Brustia R, Dalla Valle R, Boggi U, Geller D, Belli A, Memeo R, Gruttadauria S, Mejia A, Park JO, Rotellar F, Choi GH, Robles-Campos R, Wang XY, Sutcliffe RP, Pratschke J, Lai ECH, Chong CCN, D'Hondt M, Monden K, López-Ben S, Liu R, Ferrero A, Ettorre GM, Cipriani F, Cherqui D, Liang X, Soubrane O, Wakabayashi G, Troisi RI, Yin MQ, Cheung TT, Sugioka A, Han HS, Long TCD, Fuks D, Abu Hilal M, Chen KH, Aldrighetti L, Edwin B, Goh BKP.** Impact of liver cirrhosis, the severity of cirrhosis, and portal hypertension on the outcomes of minimally invasive left lateral sectionectomies for primary liver malignancies. *Surgery*. 2023; 174(3): 581-92. Article. IF: 3.2; Q1
- **Cortesi PA, Viganò R, Conti S, Lenci I, Volpes R, Martini S, Angelico M, Fung J, Buti M, Coilly A, Durand F, Fondevila C, Lebray P, Nevens F, Polak WG, Rizzetto M, Zoulim F, Perricone G, Berenguer M, Mantovani LG, Duvoux C, Belli LS.** Economic impact of european liver and intestine transplantation association (ELITA) recommendations for hepatitis b prophylaxis after liver transplantation. *Transpl Int*. 2023; 36: 10954. Article. IF: 2.7; Q1
- **Croghan SM, Mohan HM, Breen KJ, McGovern R, Bennett KE, Boland MR, Elhadi M, Elliott JA, Fullard AC, Lonergan PE, McDermott F, Mehradj A, Pata F, Quinlan DM, Winter DC, Bolger JC, Fleming CA.** Global incidence and risk factors associated with postoperative urinary retention following elective inguinal hernia repair: the retention of urine after inguinal hernia elective repair (RETAINER I) study. *JAMA Surg*. 2023; 158(8): 865-73. Editorial. Material. IF: 15.7; D1
- **de las Casas SG, Spagnolo E, Di Saverio S, Álvarez-Gallego M, Carrasco AL, López MC, Cobos ST, Campo CF, Gutiérrez AH, Migueláñez IP.** Short-term outcomes in patients undergoing laparoscopic surgery for deep infiltrative endometriosis with rectal involvement: a single-center experience of 168 cases. *Ann Coloproctol*. 2023; 39(3): 216-22. Article. IF: 3.0; Q2
- **de Waele JJ, Coccolini F, Lagunes L, Maseda E, Rausei S, Rubio-Pérez I, Theodorakopoulou M, Arvanti K.** Optimized treatment of nosocomial peritonitis. *Antibiotics (Basel)*. 2023; 12(12): 1711. Review. IF: 4.3; Q1
- **Eden J, Da Silva RXS, Cortes-Cerisuelo M, Croome K, De Carlis R, Hessheimer AJ, Muller X, de Goeij F, Banz V, Magini G, Compagnon P, Elmer A, Lauterio A, Panconesi R, Widmer J, Dondossola D, Muiesan P, Monbaliu D, van Rosmalen MDV, Detry O, Fondevila C, Jochmans I, Pirenne J, Immer F, Oniscu GC, de Jonge J, Lesurtel M, De Carlis LG, Taner CB, Heaton N, Schlegel A, Dutkowski P.** Utilization of livers donated after circulatory death for transplantation-An international comparison. *J Hepatol*. 2023; 78(5): 1007-16. Article. IF: 26.8; D1
- **Efanov M, Salimgereeva D, Alikhanov R, Wu AGR, Geller D, Cipriani F, Aghayan DL, Fretland AA, Sijberden J, Belli A, Marino MV, Mazzaferro V, Chiow AKH, Sucandy I, Ivanecz A, Choi SH, Lee JH, Prieto M, Vivarelli M, Giuliantie F, Ruzzenente A, Yong CC, Fondevila C, Rotellar F, Choi GH, Campos RR, Wang XY, Sutcliffe RP, Pratschke J, Lai E, Chong CC, D'Hondt M, Monden K, López-Ben S, Herman P, Di Benedetto F, Kingham TP, Liu R, Long TCD, Ferrero A, Sandri GBL, Cherqui D, Scatton O, Wakabayashi G, Troisi RI, Cheung TT, Sugioka A, Han HS, Abu Hilal M, Soubrane O, Fuks D, Aldrighetti L, Edwin B, Goh BKP.** Comparison between the difficulty of laparoscopic limited liver resections of tumors located in segment 7 versus segment 8: An international multicenter propensity-score matched study. *J Hepato-Bil-Pan Sci*. 2023; 30(2): 177-91. Article. IF: 3.2; Q2
- **Fondevila C, Estebanez B, Hessheimer AJ.** Practical considerations for implementation of abdominal normothermic regional perfusion. *Liver Transplant*. 2023; 29(12): 1255-7. Editorial. Material. IF: 4.7; Q1
- **Fundora Y, Hessheimer AJ, Del Prete L, Maroni L, Lanari J, Barrios O, Clarysse M, Gastaca M, Gómez MB, Bonadonna A, Janek J, Boscà A, Martínez JMA, Zozaya G, Garnica DL, Magistri P, León F, Magini G, Patrono D, Nicovsky J, Hakeem AR, Nadalin S, McCormack L, Palacios P, Zieniewicz K, Blanco G, Nuño J, Saborido BP, Echeverri J, Bynon JS, Martins PN, López VL, Dayangac M, Lodge JPA, Romagnoli R, Toso C, Santoyo J, Di Benedetto F, Gómez-Gavara C, Rotellar F, Gómez-Bravo MA, Andújar RL, Girard E, Valdivieso A, Pirenne J, Lladó L, Germani G, Cescon M, Hashimoto K, Quintini C, Cillo U, Polak WG, Fondevila C.** Alternative forms of portal vein revascularization in liver transplant recipients with complex portal vein thrombosis. *J Hepatol*. 2023; 78(4): 794-804. Article. IF: 26.8; D1
- **Fundora Y, Hessheimer AJ, Fondevila C.** Reply to: "Reconstruction for complex portal vein thrombosis - Anatomical if possible". *J Hepatol*. 2023; 79(3): e131. Letter. IF: 26.8; D1
- **Ghotbi J, Aghayan D, Fretland Å, Edwin B, Syn NL, Cipriani F, Alzoubi M, Lim C, Scatton O, Long TCD, Herman P, Coelho FF, Marino MV, Mazzaferro V, Chiow AKH, Sucandy I, Ivanecz A, Choi SH, Lee JH, Prieto M, Vivarelli M, Giuliantie F, Ruzzenente A, Yong CC, Yin MQ, Fondevila C, Efanov M, Morise Z, Di Benedetto F, Brustia R, Dalla Valle R, Boggi U, Geller D, Belli A, Memeo R, Mejia A, Park JO, Rotellar F, Choi GH, Robles-Campos R,**



- Wang XY, Sutcliffe RP, Pratschke J, Tang CN, Chong CCN, D'Hondt M, Monden K, López-Ben S, Kingham TP, Ferrero A, Ettorre GM, Sandri GBL, Pascual F, Cherqui D, Liang X, Mazzotta A, Wakabayashi G, Giglio M, Troisi RI, Han HS, Cheung TT, Sugioka A, Chen KH, Liu R, Soubrane O, Fuks D, Aldrighetti L, Abu Hilal M, Goh BKP. Impact of neoadjuvant chemotherapy on the difficulty and outcomes of laparoscopic and robotic major liver resections for colorectal liver metastases: A propensity-score and coarsened exact-matched controlled study. *EJSO-Eur J Surg Onc.* 2023; 49(7): 1209-16. Article. IF: 3.5; Q2
- Giraldo-Tugores M, Vaquero-Rey A, Santa-cruz-Santo M, Rodríguez-Martin E, De Andrés A, Ballester-González R, Barra-Castro A, Fernández-Lozan C, Martínez-Botas J, Antolin-Amérigo D. Application of in vitro tests to establish an accurate diagnosis of double sensitization to vespsula and polistes species. *J Invest Allerg Clin.* 2023; 33(5): 414-6. Editorial Material. IF: 6.1; Q1
 - Goh BKP, Han HS, Chen KH, Chua DW, Chan CY, Cipriani F, Aghayan DL, Fretland AA, Sijberden J, D'Silva M, Siow TF, Kato Y, Lim C, Nghia PP, Herman P, Marino M, Mazzaferro V, Chiow AKH, Sucandy I, Ivanecz A, Choi SH, Lee JH, Gastaca M, Vivarelli M, Giuliente F, Ruzzenente A, Yong CC, Yin MQ, Chen ZW, Fondevila C, Efanov M, Rotellar F, Choi GH, Campos RR, Wang XY, Sutcliffe RP, Pratschke J, Lai E, Chong CC, D'Hondt M, Monden K, López-Ben S, Coelho FF, Kingham TP, Liu R, Long TCD, Ferrero A, Sandri GBL, Saleh M, Cherqui D, Scatton O, Soubrane O, Wakabayashi G, Troisi RI, Cheung TT, Sugioka A, Abu Hilal M, Fuks D, Edwin B, Aldrighetti L. Defining global benchmarks for laparoscopic liver resections: an international multicenter study. *Ann Surg.* 2023; 277(4): e839-48. Article. IF: 7.5; D1
 - González-Sánchez C, Salvador-Egea MP, Glückmann-Maldonado E, Ríos A, Martín-Fernández J, Pérez-García JJ, García-Lorenzo F, Flores-Pastor B, Gómez-Ramírez J, Ortega-Serrano J, Ros-López S, Villar-del-Moral J, Morales-García D, Gutiérrez-Rodríguez MT, Domènech-Calvet J, Nuño-Vázquez-Garza JM, Franch-Arcas G. Diagnosis and treatment of primary thyroid lymphoma from a surgical perspective: a multi-institutional study. *Langenbeck Arch Surg.* 2023; 408(1): 206. Article. IF: 2.1; Q2
 - Guevara-Martínez J, La-Noire FP, Arteaga-Asensio P, Pascual-Migueláñez I, Souza RM, Quiles M, Montes M, Fondevila C, Álvarez-Gallego M. Proctitis in patients with monkeypox infection: a single-center analysis of 42 consecutive cases from a multidisciplinary observational study on monkeypox proctitis. *Tech Coloproctol.* 2023; 27(12): 1211-8. Article. IF: 2.7; Q2
 - Hessheimer AJ. In situ normothermic regional perfusion in controlled donation after circulatory determination death: organ utilization, outcomes, and elusiveness of a randomized clinical trial. *Transplantation.* 2023; 107(2): 311-2. Editorial Material. IF: 5.3; Q1
 - Hessheimer AJ, Vargas-Martínez AM, Trapero-Bertrán M, Navasa M, Fondevila C. Post-transplant hepatocellular carcinoma surveillance: a cost-effectiveness and cost-utility analysis. *Ann Surg.* 2023; 277(2): E359-65. Article. IF: 7.5; D1
 - Hessheimer AJ, Vengohechea J, Fondevila C. Metabolomic analysis, perfusate composition, and pseudo-physiology of the isolated liver during ex situ normothermic machine perfusion. *Transplantation.* 2023; 107(5): E125-6. Editorial Material. IF: 5.3; Q1
 - Kato Y, Sugioka A, Kojima M, Syn NL, Zhongkai WK, Liu R, Cipriani F, Armstrong T, Aghayan DL, Siow TF, Lim C, Scatton O, Herman P, Coelho FF, Marino MV, Mazzaferro V, Chiow AKH, Sucandy I, Ivanecz A, Choi SH, Lee JH, Gastaca M, Vivarelli M, Giuliente F, Dalla Valle B, Ruzzenente A, Yong CC, Fondevila C, Efanov M, Di Benedetto F, Belli A, Park JO, Rotellar F, Choi GH, Robles-Campos R, Wang XY, Sutcliffe RP, Schmelzle M, Pratschke J, Lai ECH, Chong CCN, D'Hondt M, Monden K, López-Ben S, Kingham TP, Forchino F, Ferrero A, Ettorre GM, Sandri GBL, Pascual F, Cherqui D, Soubrane O, Wakabayashi G, Troisi RI, Cheung TT, Sugioka A, Han HS, Long TCD, Liu R, Edwin B, Fuks D, Chen KH, Abu Hilal M, Aldrighetti L, Goh BKP. Impact of liver cirrhosis and portal hypertension on minimally invasive limited liver resection for primary liver malignancies in the posterosuperior segments: An international multicenter study. *EJSO-Eur J Surg Onc.* 2023; 49(10): 106997. Article. IF: 3.5; Q2
 - Liu Q, Zhang WG, Zhao JJ, Syn NL, Cipriani F, Alzoubi M, Aghayan DL, Siow TF, Lim C, Scatton O, Herman P, Coelho FF, Marino M, si RI, Cheung TT, Chen ZW, Yin MQ, D'Silva M, Han HS, Nghia PP, Long TCD, Edwin B, Fuks D, Chen KH, Abu Hilal M, Aldrighetti L, Goh BKP. Impact of tumor size on the difficulty of laparoscopic major hepatectomies: an international multicenter study. *Ann Surg Oncol.* 2023; 30(11): 6628-36. Article. IF: 3.4; Q2
 - Kwak BJ, Lee JH, Chin KM, Syn NL, Choi SH, Cheung TT, Chiow AKH, Sucandy I, Marino MV, Prieto M, Chong CC, Choi GH, Efanov M, Kingham TP, Sutcliffe RP, Troisi RI, Pratschke J, Wang XY, D'Hondt M, Tang CN, Mishima K, Wakabayashi G, Cherqui D, Aghayan DL, Edwin B, Scatton O, Sugioka A, Long TCD, Fondevila C, Alzoubi M, Abu Hilal M, Ruzzenente A, Ferrero A, Herman P, Lee B, Fuks D, Cipriani F, Liu Q, Aldrighetti L, Liu R, Han HS, Goh BKP. Robotic versus laparoscopic liver resections for hepatolithiasis: an international multicenter propensity score matched analysis. *Surg Endosc.* 2023; 37(8): 5855-64. Article. IF: 2.4; Q2
 - Lim C, Scatton O, Wu AGR, Zhang WG, Hasegawa K, Cipriani F, Sijberden J, Aghayan DL, Siow TF, Dokmak S, Herman P, Marino MV, Mazzaferro V, Chiow AKH, Sucandy I, Ivanecz A, Choi SH, Lee JH, Prieto M, Vivarelli M, Giuliente F, Ruzzenente A, Yong CC, Yin MQ, Fondevila C, Efanov M, Morise Z, Di Benedetto F, Brustia R, Dalla Valle R, Boggi U, Geller D, Belli A, Memeo R, Gruttadauria S, Mejia A, Park JO, Rotellar F, Choi GH, Robles-Campos R, Wang XY, Sutcliffe RP, Pratschke J, Lai ECH, Chong CCN, D'Hondt M, Monden K, López-Ben S, Kingham TP, Ferrero A, Ettorre GM, Cherqui D, Liang X, Soubrane O, Wakabayashi G, Troisi RI, Cheung TT, Sugioka A, Han HS, Long TCD, Liu R, Edwin B, Fuks D, Chen KH, Abu Hilal M, Aldrighetti L, Goh BKP. Impact of liver cirrhosis and portal hypertension on minimally invasive limited liver resection for primary liver malignancies in the posterosuperior segments: An international multicenter study. *EJSO-Eur J Surg Onc.* 2023; 49(10): 106997. Article. IF: 3.5; Q2
 - Liu Q, Zhang WG, Zhao JJ, Syn NL, Cipriani F, Alzoubi M, Aghayan DL, Siow TF, Lim C, Scatton O, Herman P, Coelho FF, Marino M, Mazzaferro V, Chiow AKH, Sucandy I, Ivanecz A, Choi SH, Lee JH, Prieto M, Vivarelli M, Giuliente F, Ruzzenente A, Yong CC, Yin MQ, Fondevila C, Efanov M, Morise Z, Di Benedetto F, Brustia R, Dalla Valle R, Boggi U, Geller D, Belli A, Memeo R, Gruttadauria S, Mejia A, Park JO, Rotellar F, Choi GH, Robles-Campos R, Wang XY, Sutcliffe RP, Pratschke J, Lai ECH, Chong CCN, D'Hondt M, Monden K, López-Ben S, Kingham TP, Ferrero A, Ettorre GM, Sandri GBL, Saleh M, Cherqui D, Zheng JH, Liang X, Mazzotta A, Soubrane O, Wakabayashi G, Troisi R, Cheung TT, Kato Y, Sugioka A, D'Silva M, Han HS, Nghia PP, Long TCD, Edwin B, Fuks D, Chen KH, Abu Hilal M, Aldrighetti L, Liu R, Goh BKP. Propensity-score matched and coarsened-exact matched analysis comparing robotic and laparoscopic major hepatectomies: an international multicenter study of 4822 cases. *Ann Surg.* 2023; 278(6): 969-75. Article. IF: 7.5; D1
 - Magaz M, Giudicelli-Lett H, Nicoara-Farcao O, Rajoriya N, Goel A, Raymenants K, Hillaire S, Crespo G, Téllez L, Elkrif L, Fondevila C, Orts L, Nery F, Shukla A, Larrue H, Fundora Y, Degroote H, Aguilera V, Llop E, Turco L, Indulti F, Gioia S, Tosetti G, Bitto N, Becchetti C, Alvarado E, Roig C, Díaz R, Praktiknjo M, Konicek AL, Soy G, Olivas P, Fortea JI, Masnou H, Puente A, Ardèvol A, Álvarez-Navascués C, Romero M, Scheiner B, Semmler G, Mandorfer M, Damiao F, Baiges A, Turon F, Simón-Talero M, González-Alayón C, Díaz A, García-Criado A, de Gottardi A, Reverter E, Blasi A, Genescà J, Roux O, Franco C, Ferreira CN, Reiberger T, Rodríguez M, Morillas RM, Crespo J, Trebicka J, Bañares R, Villanueva C, Berzigotti A, Primignani M, La Mura V, Riggio O, Schepis F, Procopet B, Verhelst X, Calleja JL, Bureau C, Albillos A, Nevens F, Hernández-Gea V, Tripathi D, Rautou PE, Durand F, García-Pagán JC. Liver transplantation for porto-sinusoidal vascular liver disorder: long-term outcome. *Transplantation.* 2023; 107(6): 1330-40. Article. IF: 5.3; Q1

3. Information groups by area

3.6 Surgery, Transplant and Health Technologies Area



- Montalti R, Giglio MC, Wu AGR, Cipriani F, D'Silva M, Suhoor A, Nghia PP, Kato Y, Lim C, Herman P, Coelho FF, Schmelzle M, Pratschke J, Aghayan DL, Liu Q, Marino MV, Belli A, Chiow AKH, Sucandy I, Ivanecz A, Di Benedetto F, Choi SH, Lee JH, Park JO, Prieto M, Guzman Y, Fondevila C, Efanov M, Rotellar F, Choi GH, Robles-Campos R, Wang XY, Sutcliffe RP, Tang CN, Chong CC, D'Hondt M, Dalla Valle B, Ruzzenente A, Kingham TP, Scatton O, Liu R, Mejia A, Mishima K, Wakabayashi G, López-Ben S, Pascual F, Cherqui D, Forchino F, Ferrero A, Ettorre GM, Sandri GBL, Sugioka A, Edwin B, Cheung TT, Long TCD, Abu Hilal M, Aldrighetti L, Fuks D, Han HS, Troisi RI, Goh BKP, Syn NL, Gastaca M, Meurs J, De Meyere C, Lai ECH, Krenzien F, Kadam P, Lee KF, Salimgereva D, Alikhanov R, Lee LS, Jang JY, Labadie KP, Kojima M, Fretland AA, Ghotbi J, Kruger JAP, López-López V, Magistri P, Colasanti M, Robert M, Saleh M, Poletto E. Risk factors and outcomes of open conversion during minimally invasive major hepatectomies: an international multicenter study on 3880 procedures comparing the laparoscopic and robotic approaches. *Ann Surg Oncol*. 2023; 30(8): 4783-96. A. IF: 3.4; Q2
- Morais M, Fonseca T, Melo-Pinto D, Prieto I, Vilares AT, Duarte AL, Leitao P, Cirnes L, Machado JC, Carneiro S. Evaluation of ctDNA in the prediction of response to neoadjuvant therapy and prognosis in locally advanced rectal cancer patients: a prospective study. *Pharmaceuticals (Basel)*. 2023; 16(3): 427. Article. IF: 4.3; Q2
- Moreno-Lanceta A, Medrano-Bosch M, Fundora Y, Perramón M, Aspas J, Parra-Robert M, Baena S, Fondevila C, Edelman ER, Jiménez W, Melgar-Lesmes P. RNF41 orchestrates macrophage-driven fibrosis resolution and hepatic regeneration. *Sci Transl Med*. 2023; 15(704): eabq6225. Article. IF: 15.8; D1
- Niederle MB, Riss P, Selberherr A, Koperek O, Kaserer K, Niederle B, Scheuba C. Omission of lateral lymph node dissection in medullary thyroid cancer without a desmoplastic stromal reaction. *Brit J Surg*. 2021; 108(2): 174-81. Article. IF: 8.6; D1
- Pérez-Carpio A, Hessheimer A, Bermúdez P, Zarco FX, Serrano E, Moreno J, Molina V, Ausania F, Carrero E, Burrel M, Fondevila C, Gómez FM. Percutaneous transhepatic biliary drainage for biliary obstruction in perihilar cholangiocarcinoma: a 10-year analysis of safety and outcomes using the CCI index. *Langenbeck Arch Surg*. 2023; 408(1): 109. Article. IF: 2.1; Q2
- Pérez IR. How to prepare an oral presentation for a scientific congress. *Cir Espan*. 2023; 101(2): 133-5. Article. IF: 1.3; Q3
- Pham T, Heunks L, Bellani G, Madotto F, Aragao I, Beduneau G, Goligher EC, Grasselli G, Laake JH, Mancebo J, Peñuelas O, Piquiloud L, Pesenti A, Wunsch H, van Haren F, Brochard L, Laffey JG. Weaning from mechanical ventilation in intensive care units across 50 countries (WEAN SAFE): a multicentre, prospective, observational cohort study. *Lancet Respir Med*. 2023; 11(5): 465-76. Article. IF: 38.7; D1
- Pollok JM, Tinguely P, Berenguer M, Niemann CU, Raptis DA, Spiro M. Enhanced recovery for liver transplantation: recommendations from the 2022 International Liver Transplantation Society consensus conference. *Lancet Gastroenterol Hepatol*. 2023; 8(1): 81-94. Review. IF: 30.9; D1
- Prieto I, Barbáchano A, Rodríguez-Salas N, Viñal D, Cortés-Guiral D, Muñoz A, Fernández-Barral A. Tailored chemotherapy for colorectal cancer peritoneal metastases based on a drug-screening platform in patient-derived organoids: a case report. *J Gastrointest Oncol*. 2023; 14(1): 442-9. Article. IF: 2.0; Q3
- Prieto LM, Migueláñez IP, Cebrián JFM, Puente MMC, Varillas-Delgado D, Rodríguez MF, Montero JAP. Targeted electromyographic biofeedback with endoanal electrostimulation for anal incontinence. *Surg Innov*. 2023; 30(1): 56-63. Article. IF: 1.2; Q3
- Primavesi F, Maglione M, Cipriani F, Denecke T, Oberkofler CE, Starlinger P, Dasari BVM, Heil J, Sgarbura O, Soreide K, Díaz-Nieto R, Fondevila C, Frampton AE, Geisel D, Henninger B, Hessheimer AJ, Lesurtel M, Mole D, Oellinger R, Olthof P, Reiberger T, Schnitzbauer AA, Schwarz C, Sparrelid E, Stockmann M, Truant S, Aldrighetti L, Braunwarth E, D'Hondt M, DeOliveira ML, Erdmann J, Fuks D, Gruenberger T, Kaczirek K, Malik H, Öfner D, Rahbari NN, Göbel G, Siriwardena



3. Information groups by area

3.6 Surgery, Transplant and Health Technologies Area

- AK, Stättner S.** E-AHPBA-ESSO-ESSR Innsbruck consensus guidelines for preoperative liver function assessment before hepatectomy. *Brit J Surg.* 2023; 110(10): 1331-47. Article. IF: 8.6; D1
- **Ramírez-Maldonado E, Rodrigo-Rodrigo M, Gordo SL, Sánchez A, Llanos DC, Sánchez R, Vaz J, Fondevila C, Jorba-Martín R.** Home care/outpatient versus hospital admission in mild acute pancreatitis: protocol of a multicentre, randomised controlled trial (PADI_2 trial). *BMJ Open.* 2023; 13(6): e071265. Article. IF: 2.4; Q1
 - **Ramos P, Williams P, Salinas J, Vengohechea J, Lodge JPA, Fondevila C, Hessheimer AJ.** Abdominal organ preservation solutions in the age of machine perfusion. *Transplantation.* 2023; 107(2): 326-40. Review. IF: 5.3; Q1
 - **Recarte M, Corripio R, Palma S, Mata A, de-Cos AI.** Improvement of low-grade inflammation in patients with metabolically healthy severe obesity after primary bariatric surgery. *Obes Surg.* 2023; 33(1): 38-46. Article. IF: 2.9; Q1
 - **Rodríguez-Otero N, Fernández-Lozano C, Elías-Sáenz, Bernal-Rubio L, Vaquero-Rey A, Martínez-Botas J, de la Hoz-Caballer B.** Kale allergy: A new member in LTP syndrome. *J Invest Allerg Clin.* 2023; 33(5): 410-2. Editorial Material. IF: 6.1; Q1
 - **Ruzzenente A, Dalla Valle B, Poletto E, Syn NL, Kabir T, Sugioka A, Cipriani F, Cherqui D, Han HS, Armstrong T, Long TCD, Scatton O, Herman P, Pratschke J, Aghayan DL, Liu R, Marino MV, Chiow AKH, Sucandy I, Ivanecz A, Vivarelli M, Di Benedetto F, Choi SH, Lee JH, Prieto M, Fondevila C, Efanov M, Rotellar F, Choi GH, Robles-Campos R, Wang XY, Sutcliffe RP, Lai ECH, Chong C, D'Hondt M, Yong CC, Troisi R, Kingham TP, Ferrero A, Sandri GBL, Soubrane O, Yin MQ, López-Ben S, Mazzaferro V, Giuliani F, Monden K, Mishima K, Wakabayashi G, Cheung TT, Fuks D, Abu Hilal M, Chen KH, Aldrighetti L, Edwin B, Goh BKP.** Sub-classification of laparoscopic left hepatectomy based on hierarchic interaction of tumor location and size with perioperative outcomes. *J Hepato-Bil-Pan Sci.* 2023; 30(9): 1098-110. Article. IF: 3.2; Q2
 - **Sanahuja JM, Reverter E, Ruiz A, Saenz D, Martínez-Ocón J, Vidal J, Jiménez N, Colmenero J, García-Pagan JC, Fondevila C, García-Valdecasas JC, Beltran J, Blasi A.** Portal hypertension has no role in perioperative bleeding during liver transplantation with systematic porto-caval shunt. *Hpb.* 2023; 25(4): 454-62. Article. IF: 2.7; Q2
 - **Sánchez-Santos R, Morales-Conde S, Rodríguez JLR, Peña EA, Narváez JMA, Gallego MA, Badia JM, del Castillo JMB, García-Botella A, Garriga XG, Basany EE, Martín-Antona E, Pérez EM, Cortijon SM, Migueláñez IP, Díaz LP, Pérez IR, Aledo VS.** Analysis of the broadcasting and perceived utility through the implementation of a virtual training platform during the pandemic. *Cir Espan.* 2023; 101(1): 29-34. Article. IF: 1.3; Q3
 - **Sartelli M, Coccolini F, Ansaloni L, Biffl WL, Blake DP, Boermeester MA, Coimbra R, Evans HL, Ferrada P, Gkiokas G, Jeschke MG, Hardcastle T, Hinson C, Labricciosa FM, Marwah S, Martos AC, Quiodettis M, Rasa K, Ren JA, Rubio-Pérez I, Sawyer R, Shelat V, Upperman JS, Catena F.** Declaration on infection prevention and management in global surgery. *World J Emerg Surg.* 2023; 18(1): 56. Editorial Material. IF: 6.0; D1
 - **Schlegel A, Mergental H, Fondevila C, Porte RJ, Friend PJ, Dutkowski P.** Machine perfusion of the liver and bioengineering. *J Hepatol.* 2023; 78(6): 1181-98. Review. IF: 26.8; D1
 - **Siriwardena AK, Serrablo A, Fretland ÅA, Wigmore SJ, Ramia-Angel JM, Malik HZ, Stättner S, Soreide K, Zmora O, Meijerink M, Kartalis N, Lesurtel M, Verhoef C, Balakrishnan A, Gruenberger T, Jonas E, Devar J, Jamdar S, Jones R, Hilal MA, Anderson B, Boudjema K, Mullamitha S, Stassen L, Dasari BVM, Framp-ton AE, Aldrighetti L, Pellino G, Buchwald P, Gürses B, Wasserberg N, Gruenberger B, Spiers HVM, Jarnagin W, Vauthey JN, Kokudo N, Tejpar S, Valdivieso A, Adam R.** The multi-societal European consensus on the terminology, diagnosis and management of patients with syn-chronous colorectal cancer and liver metastases: an E-AHPBA consensus in partnership with ESSO, ESCP, ESGAR, and CIRSE. *HPB.* 2023; 25(9): 985-99. Article. IF: 2.7; Q2
 - **Tabanera JAV, Gómez J, Brabyn P, Puerta A, Barranquero AG, Cebrián JM.** Does vitamin D deficiency really increase the risk of post-surgical hypoparathyroidism? *Indian J Otolaryngol.* 2023; 75(3): 1719-23. Article. IF: 0.6; Q4
 - **Tejedor P, Pastor C, Pellino G, Di Saverio S, Gorter-Stam M, Sylla P, Francis N.** Management of acute diverticulitis with pericolic free gas (ADIFAS): an international multicenter observational study. *Int J Surg.* 2023; 109(4): 689-97. Article. IF: 12.5; D1
 - **Valls-Esteva A, Tejo-Otero A, Lustig-Gainza P, Buj-Corral I, Fenollosa-Artés F, Rubio-Palau J, de la Torre IBM, Munuera J, Fondevila C, Krauel L.** Patient-specific 3D printed soft models for liver surgical planning and hands-on training. *Gels.* 2023; 9(4): 339. Article. IF: 5.0; Q1
 - **Vera BM, Rubio-Pérez I, Frías NB, Migueláñez IP.** Persistent intra-operative bleeding in sacral neuromodulation electrode placement: what can we do? *Colorectal Dis.* 2023; 25(1): 156-7. Letter. IF: 2.9; Q2
- chronous colorectal cancer and liver metastases: an E-AHPBA consensus in partnership with ESSO, ESCP, ESGAR, and CIRSE. *HPB.* 2023; 25(9): 985-99. Article. IF: 2.7; Q2
- (PI18/00894). ISCIII. 2019-2023. *Managment centre: FIBHULP*
- **Fondevila Campo C.** Prolonged perfusions of porcine livers on Ips device followed by transplantation. Guangdong Shunde Innovative Design Institute. 2021-Ongoing. *Managment centre: FIBHULP*
 - **Fondevila Campo C.** Proyecto ORGALIVE. FIBHULP. 2022-Ongoing. *Managment centre: FIBHULP*
 - **Fondevila Campo C.** Puesta en marcha del ensayo clínico: "liver transplantation in patients with cirrhosis and severe acute-on-chronic liver failure (aclf): indications and outmes study". European Foundation for the Study of Chronic Liver Failure. 2021-Ongoing. *Managment centre: FIBHULP*
 - **Hessheimer AJ.** Estudio piloto sobre la implementación de resultados reportados por el paciente en la cirugía general mayor (PI22/00847). ISCIII. 2023-2025. *Managment centre: FIBHULP*
 - **Rubio Pérez I.** Estudio piloto prospectivo titulado: sutura continua subcuticular versus grapas cutáneas en pacientes de cirugía colorrectal ¿existen diferencias en la incidencia de infección quirúrgica según la técnica de cierre empleada?. *Surgical Infection Society-Europe.* 2013-Ongoing. *Managment centre: FIBHULP*
- #### Research projects
- **Cantero Cid R.** Desarrollo de biomodelos de organoides en 3D in vitro de cáncer de colon. FIBHULP. 2022-Ongoing. *Managment centre: FIBHULP*
 - **Cantero Cid R.** Generación de microtejidos de colon tridimensionales automatizada para evaluación de fármacos antitumorales. Roche Farma S.A. 2017-Ongoing. *Managment centre: FIBHULP*
 - **Fondevila Campo C.** Estudio para la validación clínica de un nuevo biomarcador para determinar la predisposición a infecciones en pacientes sometidos a cirugía mayor abdominal programada (BIOMAS-001/ PI-5419). Crazy Science & Business S.L. 2022-2024. *Managment centre: FIBHULP*
 - **Fondevila Campo C.** Precondicionamiento portal en injertos hepáticos pequeños mediante perfusión normotérmica ex situ en un model porcino
- #### Cibers and Retics
- **Fondevila Campo C.** CIBER de Enfermedades Hepáticas y Digestivas. (CIBERhd). ISCIII. (31/12/2023). FIBHULP