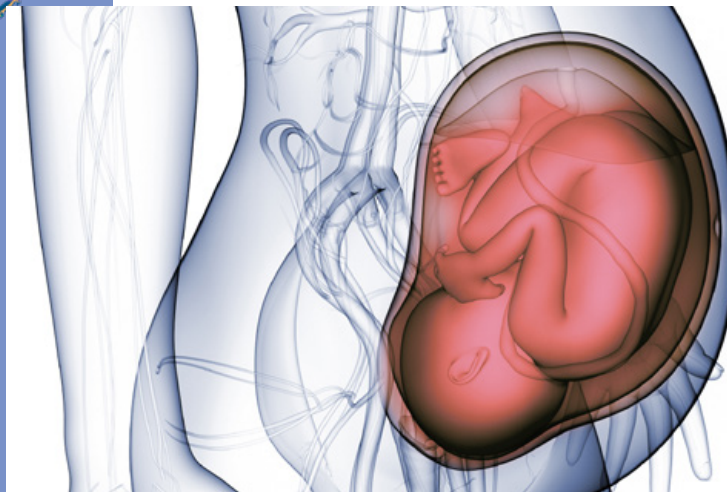


## Maternal and Fetal Medicine Group

Publications: 35  
Q1: 10



### RESEARCH ACTIVITY

#### ■ Doctoral theses

**López Cavanillas B.** Virus del papiloma humano y citología anómala anal de mujeres en riesgo. Análisis de la prevalencia del virus del papiloma humano y citología anómala anal en mujeres diagnosticadas de neoplasia intraepitelial cervical de alto grado [dissertation]. Madrid: UAM: 2021(16/12/2021).

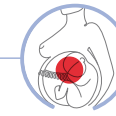
**Directors:** Hernández Gutiérrez A, Bartha Rasero JL.

#### ■ Publications

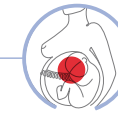
- Abascal-Saiz A, Fuente-Luelmo E, Haro M, de la Calle M, Ramos-Álvarez MP, Perdomo G, Bartha JL. Placental compartmentalization of lipid metabolism: implications for singleton and twin pregnancies. *Reprod Sci.* 2021; 28(4): 1150-60. Article. IF: 2.924; Q3

- Alonso-Espias M, Martínez-Sánchez N, Robles-Marhuenda A, Martín-Boado ME, Regojo-Zapata RM, Bartha JL. Diagnosis of amyopathic dermatomyositis after two intrauterine fetal deaths. *Obstet Med.* 2021; 14(2): 109-12. Article. Not Indexed
- Antolín E, Herrero B, Rodríguez R, Illescas T, Duyos I, Gimeno A, Sotillo L, Abascal A, Orensanz I, Hernández A, Bartha JL. How to organize a Fetal Medicine Unit in the context of COVID-19 pandemic. Safe measures for obstetric scans and equipment cleaning. *Clin Invest Ginecol Obstet.* 2021; 48(1): 3-13. Article. Not Indexed

- Avendaño-Ortiz J, Lozano-Rodríguez R, Martín-Quirós A, Terrón V, Maroun-Eid C, Montalbán-Hernández K, Valentin-Quiroga J, García-Garrido MA, del Val EM, del Balzo-Castillo A, Peinado M, Gómez L, Herrero-Benito C, Rubio C, Casavilla-Dueñas JC, Gómez-Campelo P, Pascual-Iglesias A, del Fresno C, Aguirre LA, López-Collazo E. The immune checkpoints storm in COVID-19: Role as severity markers at emergency department admission. *Clin Transl Med.* 2021; 11(10): e573. Letter. IF: 8.554; Q1
- Bartha JL, Duyós I, de la Calle M, Herrero B, Rodrí-



- guez R, Antolín E. Severe fetal anemia after umbilical cord occlusion leading to severe neurological injury in monozygotic twins. *J Matern-Fetal Neo M.* 2021; 34(12): 2030-2. Article. IF: 2.323; Q3
- Belinchón I, Velasco M, Ara-Martín M, Alonso SA, Rodríguez OB, Pulido LF, García-Bustinduy M, Martínez-López JA, Sánchez NM, Ferriols AP, Pascual EP, Díaz RR, Ruiz-Villaverde R, Ferrer RT, Villa AV, Carrascosa JM. Management of psoriasis during preconception, pregnancy, postpartum, and breastfeeding: A consensus statement. *Actas Dermosifiliogr.* 2021; 112(3): 225-41. Article. Not Indexed
  - Boria F, Maseda R, Albizuri F, de la Calle M. Intravenous immunoglobulin therapy for gestational pemphigoid refractory to conventional treatment. *Actas Dermosifiliogr.* 2021; 112(1): 83-5. Letter. Not Indexed
  - Burgos EMP, Zapata RMR, Miranda MT, Alvarado EA, de la Calle M. Spontaneous twin anemia-polycythemia sequence from two donors to one recipient in a monozygotic triamniotic pregnancy: Case report and review of the literature. *J Obstet Gynaecol Re.* 2021; 47(12): 4450-55. Review. IF: 1.697; Q4
  - Calvo VE, Melguizo SC, Abascal-Sai A, Acebal LF, Sánchez-Migallon A, Recarte PP, Marin CC, Puig BM, Fernández PGD, Velasco ON, Conty MLD, Martínez-Pérez O. Perinatal outcomes of pregnancies resulting from assisted reproduction technology in SARS-CoV-2-infected women: a prospective observational study. *Fertil Steril.* 2021; 116(3): 731-40. Article. IF: 7.49; D1
  - Cobo T, Aldecoa V, Bartha JL, Bugatto F, Carrillo-Badillo MP, Comas C, Diago-Almeda V, Ferrero S, Goya M, Herraiz I, Marti-Malgosa L, Olivella A, Paules C, Vives A, Figueras F, Palacio M, Gratacos E. Assessment of an intervention to optimise antenatal management of women admitted with preterm labour and intact membranes using amniocentesis-based predictive risk models: study protocol for a randomised controlled trial (OPTIM-PTL Study). *BMJ Open.* 2021; 11(9): e054711. Article. IF: 3.006; Q2
  - Criado MD, Garrido CF, San Martín EM, Arboleya CG, Gómez-Arroyo B, González-Donapetry P, Baquero-Artigao F, de la Calle M, Quiles-Melero I, Calvo C. Is anantenatal screening for chlamydia trachomatis necessary in the current society?. *Pediatr Infect Dis J.* 2021; 40(11): 1034-45. Article. IF: 3.806; Q1
  - Cristóbal I, Boado EM, Magdaleno F, Antolín E, Bartha JL, de la Calle M. Brain astrocytomas and pregnancy: an obstetric challenge. *Clin Invest Ginecol Obstet.* 2021; 48(3): 100664. Article. Not Indexed
  - Dajti I, Valenzuela JI, Boccalatte LA, Gemelli NA, Smith DE, Dudi-Venkata NN, Kroon HM, Sammour T, Roberts M, Mitchell D, Fernández-López AJ, (et al). Machine learning risk prediction of mortality for patients undergoing surgery with perioperative SARS-CoV-2: the COVIDSurg mortality score. *Brit J Surg.* 2021; 108(11): 1274-92. Article. IF: 11.122; D1
  - de la Calle M, Bartha JL, García L, Cuerva MJ, Ramiro-Cortijo D. Women aged over 40 with twin pregnancies have a higher risk of adverse obstetrical outcomes. *Int J Env Res Pub He.* 2021; 18(24): 13117. Article. IF: 4.614; Q1
  - de la Calle M, Bartha JL, López CM, Turiel M, Martínez N, Arribas SM, Ramiro-Cortijo D. Younger age in adolescent pregnancies is associated with higher risk of adverse outcomes. *Int J Env Res Pub He.* 2021; 18(16): 8514. Article. IF: 4.614; Q1
  - de la Calle M, Bartha JL, Serrano H, Ramiro-Cortijo D. Obstetric outcomes in the surviving fetus after intrauterine fetal death in bichorionic twin gestations. *Children (Basel).* 2021; 8(10): 927. Article. IF: 2.835; Q2
  - de la Calle M, Delgado JL, Verlohren S, Escudero AI, Bartha JL, Campillos JM, de la Cruz AA, Chantraine F, Hernández JAG, Herraiz I, Llubra E, Kurka H, Guo G, Sillman J, Hund M, Marin AP. Gestational age-specific reference ranges for the sft-1/plgf immunoassay ratio in twin pregnancies. *Fetal Diagn Ther.* 2021; 48(4): 288-96. Article. IF: 2.208; Q4
  - Delgado P, Robles A, López JAM, Saez-Comet L, Almaraz ER, Martínez-Sánchez N, Ugarte A, Velasco-Casasempere P, Marco B, Espinosa G, Galindo M, Casellas M, Ruiz-Iratorza G, Martínez-Taboada V, Bartha JL. Pregnancy control in patients with systemic lupus erythematosus/antiphospholipid syndrome. Part 3: Childbirth. *Puerperium. Breast-feeding contraception. Newborn. Reumatol Clin.* 2021; 17(4): 183-186. Article. Not Indexed
  - Dobert M, Varouxaki AN, Mu AC, Syngelaki A, Ciobanu A, Akolekar R, Matallana CD, Cicero S, Greco E, Singh M, Janga D, Gil MD, Jani JC, Bartha JL, Maclagan K, Wright D, Nicolaidis KH. Pravastatin versus placebo in pregnancies at high risk of term preeclampsia. *Circulation.* 2021; 144(9): 670-9. Article. IF: 39.918; D1
  - Engels V, Medina M, Antolín E, Ros C, Amaro A, De-Guirior C, Manzour N, Sotillo L, de la Cuesta R, Rodríguez R, San-Frutos L, Peralta S, Martínez A, Alcazar JL. Feasibility, tolerability, and safety of hysterosalpingo-foam sonography (hyfosalpingography), multicenter, prospective Spanish study. *J Gynecol Obstet Hum Reprod.* 2021; 50(5): 102004. Article. IF: 2.156; Q4
  - Escudero A, Ruz-Caracuel B, Bueno D, Martínez M, Rubio P, Regojo RM, Antolín E, Ybarra M, Martínez L, Pozo-Kreiling J, Elorza MD, Pellicer A, Omeñaca F, Pérez-Martínez A. Genetic predisposition to fetal and neonatal cancer. *Clin Transl Oncol.* 2021; 23(6): 1179-84. Article. IF: 3.34; Q3
  - Espinosa G, Galindo-Izquierdo M, Puig BM, Caro MC, Beltran PD, López JAM, Sánchez NM, Robles-Marhuenda A, Almaraz ER, Saez-Comet L, Ugarte A, Vela-Casasempere P, Bartha JL, Ruiz-Iratorza G, Martínez-Taboada VM. Pregnancy control in patients with systemic lupus erythematosus and antiphospholipid syndrome. Part 1: Infertility, ovarian preservation and preconception assessment. Consensus Document of the Spanish Society of Gynaecology and Obstetrics (SEGO), the Spanish Society of Internal Medicine (SEMI) and the Spanish Society of Rheumatology (SER). *Reumatol Clin.* 2021; 17(2): 61-6. Article. Not Indexed
  - Espinosa JA, Cuerva MJ, Nieto L, García-Casarrubios P, Leal MA, Bartha JL. Length of uterine cavity after second phase of postpartum period in women requesting long-acting reversible contraception. *J Obstet Gynaecol.* 2021; 41(1): 162-3. Article. IF: 1.226; Q4
  - García-Ruiz I, Sulleiro E, Serrano B, Fernández-Buhigas I, Rodríguez-Gómez L, Fernández DSN, Antón-Pagarolas A, Esperalba-Esquerra J, Frick MA, Camba F, Navarro-Jiménez A, Fernández-Hidalgo N, Maiz N, Carreras E, Suy A. Congenital infection of SARS-CoV-2 in live-born neonates: a population-based descriptive study. *Clin Microbiol Infect.* 2021; 27(10): 1521. Article. IF: 13.31; D1
  - López-Cavanillas B, Benítez CG, Serrano M, Sendagorta E, Hernández A, Bartha JL. Analysis of the prevalence of human papillomavirus and abnormal anal cytology in women at risk. *J Obstet Gynaecol.* 2021; 41(7): 1139-44. Article. IF: 1.226; Q4
  - Martínez-Sánchez N, Fernández-Miranda MD, Bartha JL. Safety profile of treatments administered in COVID 19 infection in pregnant women. *Clin Invest Ginecol Obstet.* 2021; 48(3): 100663. Review. Not Indexed
  - Martínez-Sánchez N, Marhuenda AR, Fernández-Miranda MD, Bartha JL. First trimester combined screening test for aneuploidies in anti-Ro carriers pregnant women. *Clin Rheumatol.* 2021; 40(7): 2699-705. Article. IF: 3.65; Q3
  - Ramiro-Cortijo D, de la Calle M, Benítez V, Gila-Díaz A, Moreno-Jiménez B, Arribas SM, Garrosa E. Maternal psychological and biological factors associated to gestational complications. *J Pers Med.* 2021; 11(3): 183. Article. IF: 3.508; Q2
  - Ramiro-Cortijo D, de la Calle M, Gila-Díaz A, Moreno-Jiménez B, Martín-Cabrejas MA, Arribas SM, Garrosa E. Maternal resources, pregnancy concerns, and biological factors associated to birth weight and psychological health. *J Clin Med.* 2021; 10(4): 695. Article. IF: 4.964; Q2
  - Rehal A, Benko Z, Matallana CD, Syngelaki A, Janga D, Cicero S, Akolekar R, Singh M, Chaveeva P, Burgos J, Molina FS, Savidou M, de la Calle M, Persico N, Rojas MSQ, Sau A, Greco E, O'Gorman N, Plasencia W, Pereira S, Jani JC, Valino N, Gil MD, Maclagan K, Wright A, Wright D, Nicolaidis KH. Early vaginal progesterone versus placebo in twin pregnancies for the prevention of spontaneous preterm birth: a randomized, double-blind trial. *Am J Obstet Gynecol.* 2021; 224(1): 86.e1-19. Article. IF: 10.693; D1
  - Santana LB, Wong EM, Álvarez-Troncoso J, García LS, Bartha JL, Regojo-Zapata RM. Maternal and perinatal outcomes and placental pathologic examination of 29 SARS-CoV-2 infected patients in the third trimester of gestation. *J Obstet Gynaecol Re.* 2021; 47(6): 2131-9. Article. IF: 1.697; Q4
  - Sukhwani M, Antolín E, Herrero B, Rodríguez R, de la Calle M, López F, Bartha JL. Management and perinatal outcome of selective intrauterine growth restriction in monozygotic pregnancies. *J Matern-Fetal Neo M.* 2021; 34(23): 3838-43. Article. IF: 2.323; Q3
  - Suy A, García-Ruiz I, Carbonell M, García-Manau P, Rodo C, Maiz N, Sulleiro E, Anton A, Esperalba J, Fernández-Hidalgo N, Frick MA, Camba F, Pumarola T, Carreras E. Gestation and COVID-19: clinical and microbiological observational study (Gesta-COVID19). *BMC Pregnancy Childb.* 2021; 21(1): 78. Article. IF: 3.105; Q2
  - Velacoracho JJ, de la Calle M, Taboas A, Rodríguez R, Herrero B, Elorza MD, Antolín E, Bartha JL. Congenital diaphragmatic hernia in twin gestation. *Clin Invest Ginecol Obstet.* 2021; 48(4): 100670. Article. Not Indexed
  - Zafarmand MH, Goossens SMTA, Tajik P, Bossuyt PMM, Asztalos EV, Gardener GJ, Willan AR, Roumen FJME, Mol BW, Barrett Y, (de la calle M). Planned Cesarean or planned vaginal delivery for twins: secondary analysis of randomized con-



trolled trial. Ultrasound Obst Gyn. 2021; 57(4): 582-91. Article. IF: 8.678; D1

## ■ Research projects

**Antolín Alvarado E.** Modelos predictivos de daño neurológico y riesgo cardiovascular mediante la integración de técnicas de imagen y biomarcadores en la gestación monocorial. Biología de sistemas (PI19/00904). ISCIII. 2020-2022.

**Management centre:** FIBHULP

**Bartha Rasero JL.** Biología de sistemas para la búsqueda de marcadores precoces de placentación deficiente (PI19/00915). ISCIII. 2020-2022.

**Management centre:** FIBHULP

**Bartha Rasero JL.** Implicación de la oxidación mitocondrial de ácidos grasos

placentaria en la patogenesis y clínica de la preeclampsia. Laboratorios Farmacéuticos Rovi S. A. 2016-Ongoing.

**Management centre:** FIBHULP

## ■ Clinical trials

**Bartha Rasero JL.** Estudio fase 2/3 controlado con placebo, aleatorizado, cegado para el observador, para evaluar la seguridad, la tolerabilidad y la inmunogenicidad de una vacuna candidata de arn (bnt162b2) del SARS-CoV-2, contra COVID-19 en mujeres embarazadas sanas de 18 años de edad y mayores.

**Type:** Clinical Trials, phase III.

**HULP code:** 5822 C4591015.

**Sponsored by:** Pfizer, S.L.U.

**Signed date:** 06/04/2021

**Bartha Rasero JL.** Estudio de fase III, doble ciego, aleatorizado y controlado con placebo para evaluar la seguridad, la reactogenicidad y la respuesta inmunitaria de una dosis intramuscular única de la vacuna materna contra el virus respiratorio sincitial (VRS) no potenciada en mujeres embarazadas de alto riesgo de 15 a 49 años y los lactantes nacidos de las madres vacunadas.

**Type:** Clinical Trials, phase III.

**HULP code:** 5888B 214725 (RSV MAT-012).

**Sponsored by:** Glaxosmithkline, S.A.

**Signed date:** 03/06/2021

**Bartha Rasero JL.** Optimización del manejo prenatal del manejo de las mujeres con amenaza de parto pretérmino mediante modelos de predicción: estudio

clínico randomizado multicéntrico abierto (optimptl).

**Type:** Clinical Trials, phase III.

**HULP code:** 5980 OPTIM-PTL.

**Sponsored by:** Fundacio Clinic Per A La Recerca Biomedica.

**Signed date:** 09/09/2021

**Bartha Rasero JL.** Ensayo en fase III, aleatorizado, doble ciego o con enmascaramiento para el observador, controlado con placebo, para evaluar la eficacia y seguridad de una vacuna de subunidad f prefusión contra el virus respiratorio sincitial (vrs) en lactantes nacidos de mujeres vacunadas durante el embarazo.

**Type:** Clinical Trials, phase III.

**HULP code:** Appendix 1 5526.

**Sponsored by:** Pfizer, S.L.U.

**Signed date:** 25/10/2021