Paediatrics

Group leader

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Torrent Español, Montserrat (FGS)
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DESCRIPTION

The Pediatrics research group is a young group of researchers that includes pediatricians who, in addition to the care activity they carry out in the hospital, are interested in and express the need for research to improve the management and treatment of the children we care for. Aware of the small population in our area of assistance, we know of the need to carry out research together with other centers to achieve greater robustness in pediatric research.

Our short-term approach is to create a group where all pediatric healthcare providers with pediatric concerns are represented and include primary care pediatricians for community research into major pediatric conditions.

MAIN LINES OF RESEARCH

- Pediatric Bone marrow transplantation. Reference center of the National Health System (CSUR). PH. D. Ivan Torrija.
- Hereditary erythro pathology. Reference center of the National Health System (CSUR). M. D. Montserrat Torrent.
- Fanconi anaemia and other hereditary anemias. M. D. Montserrat Torrent.
- Sarcomas. Reference center of the National Health System (CSUR). M. D. Montserrat Torrent.
- Neonatal Infectious Diseases. PH. D. Elisenda Moliner.
- Neonatal Resuscitation and hypoxic ischemic encephalopathy. PH. D. Elisenda Moliner. M. D. María García Borau.

- Sonography in critical neonatal care. M. D. Juan José Salazar. M. D. Judit Becerra.
- Neonatal Pharmacology. Ph. D. Edurne Fernàndez de Gamara. M. D. MJ García borau.
- Hereditary renal diseases: Primary hyperoxaluria, C3 glomerulopathy, Alport syndrome. PH. D. Gloria Fraga.
- Reference center for the treatment of bladder exstrophy in the neonatal age (CSUR F. Puigvert-H. Sant Pau). PH. D. Anna Bujons PH. D. Elisenda Moliner.
- Genetic diseases with cardiac expresión. M. D. Roger Esmel.
- Effect of exercise on cardiac remodeling in children undergoing chemotherapy. M. D. Roser Alvarez.
- Diagnosis of chronic lung disease in children undergoing hematopoietic cell transplantation. IP M. D. Gemma García del Cerro.
- Eosinophil populations in pediatric patients with eosinophilic asthma. IP M.D. Laura Armendariz.

SCIENTIFIC CHALLENGES

- Pediatric haematopoietic progenitor cell transplantation from alternative donors.
- Pediatric haematopoietic progenitor cell transplantation in congenital immunodeficiencies.
- Pediatric haematopoietic progenitor cell transplantation in congenital metabolic pathologies.
- Fanconi anaemia (group recognized by the UAB, Barcelona).
- Polytraumatized patient care programme. PPT implementation code at HSCSP and in the CatSalut central register.
- Preterm new-borns. CatSalut central register.
- Therapeutic hypothermia in the treatment of perinatal hypoxic ischemic encephalopathy. CatSalut central register.

ACTIVE GRANTS

- Armendáriz Lacasa, Laura. Caracterización de las poblaciones de eosinófilos en pacientes pediátricos con asma eosinofílica: evaluación de la expresión de marcadores de activación mediante citometría de flujo. IIBSP-ASM-2022-46.
- García Del Cerro, Gemma. La oscilometría como herramienta para la detección precoz de patología respiratoria en pacientes sometidos a trasplante de progenitores hematopoyéticos en comparación con espirometría/pletismografía. IIBSP-OSC-2023-111.
- López Torija, Ivan. Trasplante alogénico de células madre en niños y adolescentes con leucemia linfoblástica aguda - FORUN (Para omitir radioterapia por debajo de la mayoría de edad). ALL SCTPED 2012 FORUM
- Moliner Calderon, Elisenda. Evaluación de una intervención basada en la evidencia para reducir la bacteriemia asociada a catéter vascular central en recién nacidos de muy bajo peso. INBERBAC-neo PI17/00565. Duration: 2018-2023.

GRANTS AWARDED

- Esmel Vilomara, Roger. Miocardi atordit neurogènic en el pacient pediàtric neurocrític. IIBSP-MAN-2022-147. Duration: 2023
- Salazar Quiroz, Juan. Ensayo clínico aleatorizado simple ciego en prematuros con Síndrome de Distrés Respiratorio (SDR) tributarios de tratamiento con surfactante exógeno identificados precozmente mediante ultrasonografía pulmonar. IIBSP-SUR-2022-61. Duration: 2023
- Sensarrich Roset, Mireia. - Manejo del paciente con fiebre sin foco de 3-36 meses de edad. Descripción del estado actual. IIBSP-FIE-2023-08. Duration: 2023

DOCTORAL THESES DEFENDED

- Pena Schesquini Roriz, Katia Regina. Estudio de la enfermedad celíaca en los últimos 10 años de pacientes pediátricos: clínica y diagnóstico. 11/12/2023. Universitat Autònoma de Barcelona. Supervisors: Badell Serra, Isabel; Fraga Rodríguez, Gloria María; Rodrigo Gonzalo de Liria, Carlos.

SCIENTIFIC PRODUCTION

- Ariceta G, Collard L, Abroug S, Moochhala SH, Gould E, Boussetta A, Ben M, S, Hunley TE, Jarraya F, Fraga G, Banos A, Lindner E, Dehmel B, Schalk G. ePHex: a phase 3, double-blind, placebo-controlled, randomized study to evaluate long-term efficacy and safety of Oxalobacter formigenes in patients with primary

hyperoxaluria. PEDIATRIC NEPHROLOGY. 2023; 38(2). DOI:10.1007/s00467-022-05591-5. PMID:35552824. IF:3,000 (Q2/4D). Document type: Article.

- Caravaca F, Cavero T, Díaz M, Cabello V, Ariceta G, Quintana LF, Marco H, Barros X, Ramos N, Rodríguez N, Cruz S, Fernández G, Rodríguez A, Pérez De José A, Rabasco C, Rodado R, Fernández L, Pérez V, Ávila A, Bravo L, Espinosa N, Allende N, Sánchez De La Nieta MD, Rodríguez E, Rivas B, Melgosa M, Huerta A, Miquel R, Mon C, Fraga G, De Lorenzo A, Draibe J, González F, Shabaka A, López ME, Fenollosa MÁ, Martín L, Da I, Titos JA, Rodríguez De Córdoba S, Goicoechea De Jorge E, Praga M. Clinical Profiles and Patterns of Kidney Disease Progression in C3 Glomerulopathy. Kidney360. 2023; 4(5). DOI:10.34067/KID.0000000000000115. PMID:36996481. Document type: Article.
- Casadesús-Cabral D, Rello-Saltor V, Vila-Soler J, Fernández-Ledesma B, Barceló-Carceller IC. Enterocolitis associada a malaltia de Hirschsprung. Pediatr Catalana. 2023; 83(1):13-6. Document type: Article.
- Esmel R, Riaza L, Dolader P, Sabaté A, Rosés F, Gran F. New-onset heart failure in infants: when the aetiological diagnosis becomes a challenge. EUROPEAN JOURNAL OF PEDIATRICS. 2023; DOI:10.1007/s00431-023-05286-5. PMID:37843615. IF:3,600 (Q1/2D). Document type: Article.
- Esmel R, Valenzuela I, Riaza L, Rodríguez B, Rosés F, Boronat S, Sabaté A. Arterial tortuosity syndrome: Phenotypic features and cardiovascular manifestations in 4 newly identified patients. European Journal of Medical Genetics. 2023; 66(9):104823. DOI:10.1016/j.ejmg.2023.104823. PMID:37619836. IF:1,900 (Q4/8D). Document type: Article.
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