

Emerging Processes in Prevalent Diseases

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DESCRIPTION

Our group mainly studies urgent and emerging processes, in prevalent diseases, with special interest in demographic aspects (gender perspective, older adults). It is an eminently clinical research, based on our own and multicenter projects. The interest is the knowledge of the diseases, their diagnosis and treatment taking into account the particularities, and the organisational aspects of the emergency departments. In short, to promote quality, safe and efficient care in the emergency department.

MAIN LINES OF RESEARCH

- Clinical Organization and Management (Mireia Puig, Josep Ris, Miriam Mateo).
- Patient safety and emergency department quality. (Maite Álvarez).
- Teaching (Josep Anton Montiel, J. Leopoldo Higa)
- Ecography (R Lazzari).
- Organ Donation and Coordination (Francisco Caballero).
- Frailty and elderly (Marta Blázquez).

Processes

- Infection (Albert Mauri, Maire Álvarez).
- Travel disease (Eva Gil).
- Sexually transmitted diseases (Montse Seres).
- Sepsis (Anotni Moliné, Aina Piera).
- Respiratory System Disorders and Acute Respiratory Failure (Antoni Moliné).
- Thromboembolic disease (Laura Lozano).



5.1.6 Associated Groups

- Cardiovascular System (Miquel Santaló).
- Acute coronary syndrome (Roberto Lazzari).
- Ultrasensitive markers in acute coronary syndrome (Aitor Alquézar).
- Cardiovascular Risk (Paola Ponte).
- Cardiac failure (Sergio Herrera, Aitor Alquézar).
- Arrhythmias (Olga Trejo, Héctor Hernández).
- Diabetes care (Iván Agra).
- Toxicology (J. Leopoldo Higa, Héctor Hernández).
- Psychiatry (Paola Ponte, Marta Castellà).
- Ultrasound in emergency patient (Roberto Lazzari, Sergio Pérez Baena).

SCIENTIFIC CHALLENGES

- Emergency and Urgent Care Management, new organisational models.
- Ageing population, frailty, and emergency care.
- Medication-related health problems.
- Heart failure, new therapeutic scenarios, prevention and home-care Infection, diagnosis and control.
- Urgent processes from a gender perspective.
- Urgent processes with age perspective.

ACTIVE GRANTS

- Alquezar Arbe, Aitor. Epidemiología de la Insuficiencia Cardíaca Aguda en servicios de urgencias hospitalarios. Factores asociados a la mortalidad a los 30 días y al año en pacientes con Insuficiencia Cardíaca Aguda atendidos en los Servicios de Urgencias Hospitalarios. Estudios EAHFE-5. ESTUDIO EAHFE. ICA-SEMES.
- Guardiola Tey, José María. Presentación atípica de la infección COVID-19 en los servicios de Urgencias. INFECCIÓN COVID-19. INFURG-SEMES.
- Guardiola Tey, José María. Evaluación de las visitas a Urgencias previas a un diagnóstico de VIH. QP-1. INFURG-SEMES.
- Puig Campmany, Mireia. TIQUE - 965356 - Innovative care services, enhanced with technology, to deliver QUICK rEsponses for individuals with advanced heart failure and complex care needs through integrated care. Horizon 2020.

European Commission. Duration: 2020 - 2026. 4.548.678,70 € (FGS).

- Rizzi, Miguel Alberto. Estudio epidemiológico sobre el efecto de la pandemia por SARS-CoV-2 en la atención en Urgencias del paciente mayor: estudio EDEN (Emergency Department and Elders in Need). ESTUDIO EDEN. SEMES.

GRANTS AWARDED

- Sizova, Marina. Análisis de frecuencia de consultas en el servicio de Urgencias y el Hospital del Día de Oncología de los pacientes con cáncer de pulmón no microcítico metastático en tratamiento de primera línea con quimioinmunoterapia, quimioterapia o inmunoterapia. IIBSP-PUL-2023-01.

DOCTORAL THESES DEFENDED

- López Laguna, Héctor. Simple biochemistry for complex protein-based materials. 31/03/2023. Universitat Autònoma de Barcelona. Supervisors: Villaverde Corrales, Antonio; Vázquez Gómez, Esther; Unzueta Elorza, Ugutz. <http://hdl.handle.net/10803/690077>.
- Núñez Amela, Yáiza. Nanopartículas dirigidas a células madre CXCR4+ per al tractament de la leucèmia mieloide aguda. 12/04/2023. Universitat de Barcelona. Supervisors: Mangues Bafalluy, Ramon; Casanova Rigat, Isolda; Cascante i Serratos, Marta. <http://hdl.handle.net/10803/688200>.
- Voltà Durán, Eric. Exploring and exploiting multi-domain recombinant proteins as targeted nanomedical tools. 12/09/2023. Universitat Autònoma de Barcelona. Supervisors: Unzueta Elorza, Ugutz; Villaverde Corrales, Antonio; Vázquez Gómez, Esther.

SCIENTIFIC PRODUCTION

- Afonso FJ, Comas M, Castells X, Cirera I, García D, Pujadas T, Ichart X, Puig M, Vena AB, Renom A. Emergency department admissions and economic costs burden related to ambulatory care sensitive conditions in older adults living in care homes. REVISTA CLINICA ESPAÑOLA. 2023; 223(10). DOI:10.1016/j.rce.2023.09.004. PMID:37838224. IF:2,900 (Q2/5D). Document type: Article.
- Agra Montava I, Romero Carrete CJ, Borrego Yanes I, Villate Robles LF. Hipotermia y onda de



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