



Esther León

Associate Professor

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Barcelona, Spain

Education

Master of Hospital & Healthcare Management (60ETCS) University of Barcelona, Spain.	2012-2014
Master of Critical Care and Emergencies. (90ECTS) University of Barcelona, Spain.	2008-2010
Master of Nursing Science. (120ECTS) University Complutense of Madrid, Spain.	2007-2009
Bachelor of Science in Nursing. University of Leon, Spain.	2004-2007 2014-2015

Societies Positions

SESSEP. (Spanish Clinical Simulation and Patient Safety Society).

- **Actual role: President elect 2017-present (Ending April 2019).**
- Vice President 2015-2017.
- Secretary 2013-2015.
- Coordinator of Multidisciplinary Simulation Group. 2013-2015.
- Organizing Committee Coordinator Annual Meeting. 2014.
- Scientific Committee Coordinator Annual Meeting. 2014.
- Member Organizing Committee Annual Meetings: 2013,2014,2015,2016,2017,2018.
- Member of Scientific Committee Annual Meetings: 2013,2014,2016,2017.

SESAM. (Society in Europe for Simulation Applied to Medicine).

- **Actual role: Local Organizing Committee Chair. Annual Meeting Bilbao. 2017-2018.**
- Prehospital Interest Group. Treasurer. 2015-2016
- Member of Organizing Committee member SESAM-ALASIC meeting Chile. 2016. not concluded

SSH. (Society for Simulation in Healthcare).

- **Actual role: Co-chair of SubAffiliations Committee. January 2018-present.**
- **Actual role: Member of External Strategic Relations Committee. January 2018-present.**
- Representing SESSEP in Affiliations Meetings. 2015-January 2018.

Leadership contributions.

SESSEP. (Spanish Clinical Simulation and Patient Safety Society).

- Under my leadership as President in SESSEP I have a strong contribution to triggered, create or develop the following projects.
- Redesign of society **bylaws (2017)**
 - To make more efficient and transparent the election process.
 - Redesign of Executive Committee roles, and incorporation of new roles. Education vocal, patient safety vocal, communication vocal, students vocal, affiliations vocal, interest group vocal, scientific committee vocal, everyone is responsible of an area decisions are shared and approved but worked parallelly.
 - Project Leaders: E León, J Miñano.
 - Web: <https://goo.gl/PKQSDe>



- **National Conference (2018)**
 - Redesign concept of the national conference.
 - Pre-conference strategy to approach new members to the society.
 - Gamification and groups dynamics.
 - Society with a dialogue with participants.
 - Increased number of participants and r
 - Define the Local Organizing Committee & Scientific Committee and Executive Committee roles for organizing a conference.
 - Numbers: Pre conference activities 430 participants. Conference: 240 participants.
 - Project Leaders: Aida Camps, J Miñano, E León.
 - Web: <http://sessep.blogspot.com>
 - Video: <https://youtu.be/Ygt24KRTdCo>
- **Education (2018)**
 - Promotion and creation and run the first edition of a “**Basic Simulation Course**” of three modules: e-elearning, on class sessions and mentoring, containing the basic tools for starting a simulation project. 21 faculty. 26 delegates.
 - Project leaders: JM Maestre, C Gomar, E León.
 - Web: <https://goo.gl/7ZHfuz>

- **Accreditation. (2017,2018)**
 - Consolidate an accreditation process (criteria, protocol, web based). Educational activities or programs are scientific peer review. 1 year: 21 courses accredited.
 - Project Leaders: C Gomar, G Coro, E León.
 - Web: <http://www.sessep.com/cursos-acreditados/>
- **Quality Criteria. (2018)**
 - In process: Defining quality criteria standards for centers and simulation programs.
 - Project leaders: JM Quintillá, E León.
- **Operation Specialist (2018)**
 - Create the Operation Specialist Interest Group (Simulation Technician). 2017
 - Promote and Design a Basic Course on fundamentals of Operation Specialist tools.
 - In process: Defining the Operation Specialist role in Spain.
 - Project leaders: C Alaez, N Urueña, M Fuencilsa, E León.
- **International Relations: Integrating in the FLASIC Federation. (2018)**
 - In Process: Creating an Affiliation to be a voting member of FLASIC.
 - Project leaders: E León, R Rubio.
- **National Relations (2018)**
 - In Process: Negotiating affiliations with clinical & regional simulation societies.
 - Project Leaders: E León, JM Quintilla.

TALK Foundation.

- I am Trustee Board Member of TALK Foundation.
- The TALK Foundation is a Charitable Incorporated Organisation registered with the UK Charity Commission under Registration Number 1177093. The object of this CIO is for the public benefit to advance the education of clinical teams in patient safety.
 - Web: <http://www.talkdebrief.org/talk-foundation>
 - Web: <http://beta.charitycommission.gov.uk/charity-details/?regid=1177093&subid=0>

Accreditations

Educational Accreditations.

- Simulation Instructor BASIC Eusim. METS. Netherlands. 2011.
- Simulation Instructor ADVANCED Eusim. SAFER. Norway. 2013.
- Simulation Instructor BASIC."Simulation as a teaching tool" HVV- Harvard. HVV. Spain. 2013
- Simulation Instructor ADVANCED. HVV- Harvard. HVV. Spain. 2016
- Course: ESMEA. (Evaluation) AMEE. Spain. 2016.
- Course: TEAMSTEPPS. Dr Baker. Spain. 2016.
- Course: Reframing Strategies for Tough Situations. C Park, M Stiegler. USA. 2015.
- Course: Debriefing: iTrust Debriefing (Bristol Group) Poland. 2015.
- Course: Debriefing: PEARLS (Eppich Group) USA. 2014.
- Course: OSCE: Dr Scalesse. France. 2014.

Clinical Accreditations.

- **Director of:** CCR: BSL +AED, SCCM: FCCS, FDM
- **Coordinator of:** SCCM: FDM, FCCS, FCCSTD, MCCR, CCU at University of Barcelona.
- **Instructor:** Semicyuc: BSL+AED, ALS, PALS, TraumaALS CCR:BSL+AED, ALS. AHA: PALS
SCCM: FCCS, FDM, MCCR, AQHR: TeamSTEPPS.
- **Provider:** Semicyuc: BSL+AED, ALS, PALS, Trauma ALS CCR:BSL+AED, ALS. AHA: PALS
SCCM: FCCS, FDM, MCCR, Windfocus: Ultrasound (BL1P). CISA-IKAR: Expeditions and Mountain Medicine. Other: HEMS.

Work History

Cardiff and Vale University Health Board.

2017-2020

Cardiff, United Kingdom.

Research Honorary Contract

- **Description:** Cardiff and Vale University Health Board is one of the largest NHS organisations in Wales. CVUHB employs approximately 14,000 staff and provide health services to a population of around 478,900 people living in Cardiff. CVUHB also serve a wider population across South and Mid Wales for a range of specialties.
- **Position 1.** Researcher: Intermittent 12 months period of research stages (June 2017- June 2020) for the Horizon 2020 – Marie Skłodowska Curie Actions -RISE 2016 Grant by the European Commission under project number: 734753. TALK Debriefing.

University of Barcelona. School of Medicine.

2008- present

Barcelona, Spain.

Associate Professor

- **Description:** Public University with 75 undergraduate programs, 353 graduate programs and 96 doctorate programs to over 63,700 students.
- **Position 1.** Coordinator of Critical Care and Emergencies Master's Degree, Faculty development. Coordinator of 45 ECTS per year focused on simulation training, clinical skills, teamwork skills, educational assessment, expert debriefing. Web: <https://goo.gl/cZbE5Z> 2014 - present
- **Position 2.** Strategic National Lead, & UB coordinator Grant awarded: Horizon 2020 – Marie Skłodowska Curie Actions -RISE 2016 Grant by the European Commission under project number: 734753. TALK Debriefing. Web: <http://www.talkdebrief.org> 2017 - present
- **Position 3.** Medical Education and Faculty Development 2012 - present
 - Mentor of Faculty & Faculty Development 2017 - present
 - 15 ECTS Curriculum Design in the Health Sciences. 2017 - present
 - 15 ECTS Innovation: Simulation, E-learning and Gamification. 2016 - present
- **Position 4.** Professor in Healthcare Applied Quality Master's Degree. 2015 - present
Web: <https://goo.gl/meqybW>
- **Position 5.** Professor Critical Care Subject 5-6th year Medicine Degree. 2018 - present
- **Position 6.** (1) Leader of I&R&D Simulation Area (in development) 2018 - present
(2)Member of group developing CRM Oriented: Salesforce Educational Management System. 2016-2017

Educational Project Developer

2008 - 2014

- **Position:** I have worked in Education Management, Moodle and e-learning Implementation, Simulation curriculum development, Assessment development, Postgraduate Courses Coordinator and Director related with Critical Care.

Emergency Medical System Nurse (Prehospital).

2012-2016

SEM (Sistema d'Emergències Mediques) Barcelona, Spain.

Prehospital Nurse Practitioner

- **Description:** SEM is a public institution which provide healthcare services and respond to pre-hospital emergency situations.
- **Position:** Nurse Practitioner focused on advanced life support attending incidents STEMI, Stroke, major trauma calls.

Critical Care (ICU) Nurse.

2010-2012

Clinic Hospital Barcelona. Barcelona, Spain.

ICU Nurse Practitioner

- **Description:** Clinic Hospital is a university hospital that belongs to the Catalan Public Hospital Network (XHUP).It includes almost all medical and surgical specialties, and are active in the areas of Patient Care, Research and Education. It serves as a community hospital, and is the main public provider within its district in Barcelona, with a population of 540,000 inhabitants. It also serves as a high-complexity tertiary hospital, developing lines of actions for patients, in Catalonia in Spain and worldwide.
- **Position:** Nurse Practitioner attending Critical Care patients admitted in the Intensive Care Unit.

Emergency Department (ED) Nurse.

2008-2010

Clinic Hospital Barcelona. Barcelona, Spain.

ED Nurse Practitioner

- **Position:** Nurse Practitioner attending patients admitted in the ED.

Red Cross Volunteer: Prehospital Nurse and First Responder

2004-2016

Spanish RED CROSS. Spain.

Nurse and Frist Responder.

- **Position:** During 12 years I have had an active role in the Red Cross institution in different locations across the country attending prehospital emergencies, organizing massive events, defining quality process, protocols.

Scientific

Researcher.

- **GRISimula:** Member of Emergent Research Group: “Nursing Simulation Research Group”. AGAUR: GRISimula (2017 SGR 531). AGAUR is public funding body within the Secretariat of Universities and Research, Ministry of Enterprise and Knowledge of the Government of Catalonia, Spain.
- **Researcher:** Intermittent 12 months period of research stages (June 2017- June 2020) Cardiff and Vale University Health Board, Cardiff. UK. For the Horizon 2020 – Marie Skłodowska Curie Actions -RISE 2016 Grant by the European Commission under project number: 734753. TALK Debriefing.

Scientific reviewer.

- **Tutor of Master’s Degree Thesis** 2010,2011,2012,2013,2014,2015,2016,2018. 30 thesis.
- **SESSEP** (Spanish Clinical Simulation and Patient Safety Society).
 - Scientific Committee Coordinator Annual Meeting. 2014.
 - Scientific Committee Member Annual Meeting. 2013,2014,2016,2017.
 - Scientific Communication Moderator Annual Meeting. 2013,2014,2016.

Scientific contributions.

Invited Speaker.

- **NATIONAL (Spain): 10 contributions.**
 1. **ROUND TABLE:** Health Meeting. UVIC (2018). “Nous serveis per a la docència”: Simulación como herramienta de aprendizaje. Innovació Docent en l’ensenyament de Medicina. Health Meeting. UVIC. 17 May 2018. Barcelona, Spain.
 2. **KEYNOTE SPEAKER:** Jornadas Obstetricia. Puerta del Hierro (2017). Debriefing. 1ª Jornada Multiprofesional de Reanimación cardiopulmonar en gestante. Hospital Puerta del Hierro. 17 May 2017. Madrid, Spain.
 3. **KEYNOTE SPEAKER:** La simulació com a eina d’aprenentatge: com comença. XIV Jornades de Docència dels ensenyaments de la Facultat de Medicina. Facultat de Medicina. 5,6 Mayo 2016. Barcelona, Spain.
 4. **ROUND TABLE:** SEMICYUC Conference (2017). Simulación Clínica como Herramienta de entrenamiento de las profesiones sanitarias. Entrenamiento multiprofesional en situaciones críticas. “Crisis Resource Management” en UCI. LII Congreso Nacional de la SEMICYUC. 18-21 June Madrid, Spain.
 5. **KEYNOTE SPEAKER:** HEALTHIO Conference (2017), Simulación Como Herramienta de Cambio. Barcelona. Healthio. 3-5 May. Spain.
 6. **KEYNOTE SPEAKER:** SPSIM Conference (2017), Past, Present and Future of Simulation in Spain. Sociedade Portuguesa de Simulação Aplicada às Ciências da Saúde (SPSim). 23 February. Coimbra. Portugal.
 7. **SPEAKER:** Debriefing Clínico. Department Anesthesia Update. Hospital Clinic. 28 Octubre 2016. Barcelona, Spain.
 8. **WORKSHOP:** SEEIUC Conference (2016), Simulación Clínica para la formación continuada de los profesionales del paciente crítico. “ XLII Congreso Nacional de la SEEIUC. Liderazgo y comunicación del equipo. 19-22 June. Valencia, Spain.

9. ROUND TABLE: SOCMIC Conference (2015), Maneig de la situació crítica en el Servei de Medicina Intensiva. Els 15 punts del Crisis Resource Management (CRM). XXXVI Reunió de la Societat Catalana de Medicina Intensiva i Crítica - XXXII Jornades Catalanes d'Infermeria Intensiva i Crítica. Barcelona. 5 March. Spain.
 10. ROUND TABLE: SOCMUE Conference (2014), Crisis Resource Management. Desde el Àmbit de la Docencia. XXI Congreso Nacional Catalán de Urgencias y Emergencias. 10,11 April. Seva. Spain.
- **INTERNATIONAL: 6 contributions.**
 1. COURSE: Learning to TALK Debriefing Clínico. Clínica las Condes. 19 July 2017. Santiago de Chile. Chile.
 2. KEYNOTE SPEAKER: 3 sessions. III Simposio de Enfermería de Servicios Quirúrgicos. Clínica las Condes. 20,21 July 2017. Santiago de Chile. Chile.
 - a. (1) Experiencia de Cultura de Seguridad.
 - b. (2) Debriefing tanto en simulación como situaciones críticas reales.
 - c. (3) Simulación Clínica como herramienta de seguridad del paciente
 3. ROUND TABLE: Experiencia en la gestión de Incidentes Críticos. III Simposio de Enfermería de Servicios Quirúrgicos. Clínica las Condes. 20 July 2017. Santiago de Chile. Chile.
 4. SPEAKER: Simulación como herramienta de cambio, más allá de la habilidad técnica. UDLA Universidad de Las Américas. 21 July 2017. Santiago de Chile. Chile.
 5. COURSE COORDINATOR: Diplomado de Enfermería Avanzada, Enfermo Crítico y Emergencias. CEDIMAT. UNPHU. Universidad Nacional Pedro Enrique Ureña. 40h. 2012. Santo Domingo. Dominican Republic.
 6. COURSE COORDINATOR: Curso Enfermería en Atención al Enfermo Crítico y Emergencias. UNIBE. Universidad Iberoamericana. 40h. 2011 Santo Domingo. Dominican Republic.
 7. COURSE COORDINATOR: Curso Ventilación Mecánica. Hospital Traumatológico Ney Arias Lorca. 6h. 2011. Santo Domingo. Dominican Republic.

Author, Co-author.

- **PUBLICATIONS: Book Chapter 2, Paper 2.**
 1. BOOK CHAPTER: **León E**, Alonso JR, Sanz M, Barreiro L, Nicolás JM. Aprendizaje Mediante Simulación para la Mejora de la Seguridad del Paciente. En. Anglés C, Fernández F. Seguridad del Paciente Crítico. EdikaMed S.L ISBN 978-84-7877-9
 2. BOOK CHAPTER: Simulación Para La Formación Continuada De Los Profesionales Del Paciente Crítico de Raurell Torreda, Marta / Uya Muntañà, Jaume / **León Castelao, Esther** / San José Arribas, Alicia 978-84-608-8758-4
 3. PAPER: Title: Impact of Multiprofessional Simulation Training in the risk perception of healthcare workers caring patients potentially infected with Ebola and other agents that require high level isolation: A prospective before-after study. Eva Carvalho, R.N., M.S.; **Esther León**, R.N., M.S.; Ana del Rio , M.D., Ph.D.; Félix Crespo, R.N.; Laura Trigo, R.N.; Sara Fernández, M.D.; Antoni Trilla, M.D., Ph.D.; Pilar Varela, M.D., Ph.D.; JM Nicolás, M.D., Ph.D. (In review).
 4. PAPER: La Simulación Interprofesional de Alta fidelidad basada en *Crisis Resource Management* se asocia en cambios en la percepción de la forma de trabajar y de la cultura de la seguridad en los profesionales de la salud. AUTORES: Eva Carvalho, **Esther León**, Pedro Castro, José Alonso, Miquel Sanz, Jaime Barreiro, Iago Enjo, Munt García, Adrián Téllez, Sara Fernández, Eduard Argudo, M. Quintana-Díaz, JM Nicolás. (In review).
- **INTERNATIONAL: 6 contributions.**
 1. COMMUNICATION: Implementation of debriefing in surgical areas using the TALK© Framework. I Enjo, **E León**, C Diaz-Navarro. Society in Europe for Simulation Applied to Medicine (SESAM) Annual Conference, Bilbao, June 2018.

2. PRE-CONFERENCE COURSE: Learning to Debrief in Clinical Environments using the TALK[®] Framework. C Diaz-Navarro, **E León**, Sigrún Qvindesland, I Enjo Pérez, Jones, A Hadfield and M García Font. Society in Europe for Simulation Applied to Medicine (SESAM) Annual Conference, Bilbao, June 2018.
3. WORKSHOP: Debriefing Interprofesional Groups. Jose M. Maestre, Elena Rojo, **E León**, Ignacio del Moral, Demian Szyld. Society in Europe for Simulation Applied to Medicine (SESAM) Annual Conference, Bilbao, June 2018.
4. WORKSHOP: Bringing your simulation into an attractive scientific program -without the need for research data. **Co-Author**. Workshop. Society in Europe for Simulation Applied to Medicine (SESAM) Annual Conference, Paris June 2017.
5. WORKSHOP: Starting to TALK[®], exploring the use of a structured self-debriefing tool for clinical teams across different cultures. C Diaz-Navarro, **E León**, S Bacquaert, Workshop. Society in Europe for Simulation Applied to Medicine (SESAM) Annual Conference, Lisbon, June 2016.
6. WORKSHOP: Developing Prehospital Non-Technical Skills (PHNTS). **Co-Author**. Workshop. Society in Europe for Simulation Applied to Medicine (SESAM) Annual Conference, Lisbon, June 2016.

■ NATIONAL (Spain): 10 contributions.

1. COMMUNICATION: Evaluación de las habilidades no técnicas: Constructivismo VS Conductismo. M Fernández Santana, **E León**, M García Font, J Barreiro López, I Enjo Pérez, M Sanz Moncusí, JR Alonso Viladot, JM Nicolás Arfelis. Sociedad Española de Simulación Clínica y Seguridad del Paciente. VI Annual Conference, Manresa, Spain. April 2018.
2. WORKSHOP: Debriefing como evaluación formativa en simulación clínica. Martínez A, **León E**, Balandron V, Redondo FJ. Sociedad Española de Simulación Clínica y Seguridad del Paciente. VI Annual Conference, Manresa, Spain. April 2018.
3. PRE-CONFERENCE COURSE: Herramientas del entorno técnico de simulación. N Urueña, M Fuencisla, **E León**. Sociedad Española de Simulación Clínica y Seguridad del Paciente. VI Annual Conference, Manresa, Spain. April 2018.
4. PRE-CONFERENCE COURSE: “Las perspectivas del debriefing” (Debriefing perspectives). **E León**, A Martínez, JM Maestre. Sociedad Española de Simulación Clínica y Seguridad del Paciente. V Annual Conference, Murcia, Spain. April 2017.
5. COMMUNICATION: La Simulación Interprofesional de Alta fidelidad basada en *Crisis Resource Management* se asocia en cambios en la percepción de la forma de trabajar y de la cultura de la seguridad en los profesionales de la salud. Eva Carvalho, **E León**, Pedro Castro, José Alonso, Miquel Sanz, Iago Enjo, Jaime Barreiro, Adrián Téllez, Sara Fernández, JM Nicolás. Sociedad Española de Simulación Clínica y Seguridad del Paciente. V Annual Conference, Murcia, Spain. April 2017.
6. WORKSHOP: Debriefing como evaluación formativa en simulación clínica. I Del Moral I , Martínez A, **León E**. Sociedad Española de Simulación Clínica y Seguridad del Paciente. IV Annual Conference, Madrid, Spain. April 2015.
7. WORKSHOP: Formación de Postgrado: Simulación basada en el CRM Crisis Resource Management. **León E***, Alonso JR*, Miquel S*. Sociedad Española de Simulación Clínica y Seguridad del Paciente. Sociedad Española de Simulación Clínica y Seguridad del Paciente. III Annual Conference, Barcelona, Spain. 2014
8. WORKSHOP: Debriefing como evaluación formativa en simulación clínica. Maestre JM*, Martínez A*, Benito A*, **León E****, Szyld D***. Sociedad Española de Simulación Clínica y Seguridad del Paciente. I III Annual Conference, Barcelona, Spain. 2014
9. COMMUNICATION: Soporte Vital Avanzado enfermero SVAE: una realidad creciente en España. Jaime Barreiro-López; María Jimenez-Herrera; **Esther León Castelao**; Miguel Ángel García Garrido; Eduard Argudo Serra; Iago Enjo Pérez. Xlle Congrés Nacional Catalá d’Urgencies i Emergencies. 14,15 April 2016.

Mataró. Spain.

10. COMMUNICATION: Impacto educativo en la formación sanitaria multidisciplinar basada en un examen clínico objetivo estructurado (ECO). E Carvalho, **E León** & others. III Congreso SESSEP March 2014. Barcelona, Spain.