

CURRICULUM VITAE

JOSÉ M^a BALIBREA DEL CASTILLO

1- DETAILS OF THE CANDIDATE

Received the Degree of M.D. from Complutense University of Madrid in 2002*
Received the Degree of Ph.D from Complutense University of Madrid in 2006**

* *Complutense University extraordinary award, best record of the graduating class and award from the Spanish Royal National Academy of Medicine.*

** *Magna cum laude and Complutense University extraordinary award.*

Profile

Bariatric, endocrine and metabolic surgeon and researcher. Full Professor of Surgery.

Keywords

Surgery, obesity, bariatric surgery, metabolic surgery, robotics, endocrine surgery, inflammation, general surgery, epigenetics, surgical infections, digital surgery.

Regularly performed surgical procedures: robotic and laparoscopic gastric bypass, laparoscopic sleeve gastrectomy, laparoscopic and robotic single-anastomosis duodeno-ileal bypass (SADIS), robotic and laparoscopic revisional bariatric surgery, laparoscopic and robotic total and subtotal gastrectomy with D2 lymph node dissection, laparoscopic and robotic esophagectomy, laparoscopic and retroperitoneoscopic adrenalectomy, thyroidectomy, radical or modified neck dissection, selective neck dissection after sentinel node biopsy, parathyroidectomy, laparoscopic and open cholecystectomy, laparoscopic hiatal hernia repair and fundoplication. Developer of the first structured robotic emergency surgery program in Europe (2024).

X (twitter):

@BalibreaJose

Linkedin:

<https://www.linkedin.com/in/jos%C3%A9-m-balibrea-m-d-ph-d-facs-a28633146/>

2- CURRENT OFFICIAL POSITION

- **Head of the Endocrine-Metabolic and Bariatric Surgery** Unit at Germans Trias i Pujol University Hospital (northern Barcelona metropolitan area, Spain).

* *Carretera del Canyet s/n 08916; Badalona (Barcelona) SPAIN*

- **Professor of Surgery and Director of the Surgical Research Chair** at the Autonomous University of Barcelona, Spain.

* *Carretera del Canyet s/n 08916; Badalona (Barcelona) SPAIN*

- **Head of the General and Digestive Surgery Department** at Quironsalud Hospital in Badalona (Barcelona, SPAIN).

* *Carrer de la Seu d'Urgell, 77, 08911 Badalona (Barcelona) SPAIN- private practice*

3- PREVIOUS POSITIONS

2018-2022 Senior Consultant. Upper GI & Bariatric Surgery Unit. Gastrointestinal Surgery Department. Hospital Clínic de Barcelona. Barcelona, Spain.

Full Professor of Surgery (Department of Surgery) Universitat de Barcelona

**Academic Secretary of the Department of Surgery*

2013-2018 Consultant/Senior Surgeon. Department of General & Digestive Surgery (Endocrine, Bariatric & Metabolic Unit). University Hospital Vall d'Hebron. (Barcelona, Spain).

2016-2019 Full Professor of Surgery (Department of Surgery) Universitat Autònoma de Barcelona: Bellaterra, Catalunya, Spain 2016 2019).

2008-2016 Associate Professor of Surgery (Department of Surgery) Universitat de Barcelona: Bellaterra, Catalunya, Spain 2016 2019).

2008-2012 Junior Specialist. Department of General & Digestive Surgery. Germans Trias I Pujol University Hospital. (Badalona, Spain).

4- TRAINING POSITIONS

General and Digestive Surgery Residency Program (Department of Surgery). 2003-2008 Hospital Clínico Universitario San Carlos. Madrid, Spain.

** Number 79 in the MIR exam; ** Best Resident Award 2008*

Clinical Stages and clerkships

2005 Hospital Virgen de la Arrixaca (Murcia, Spain). Upper GI and Liver Transplantation Units.

2007 UCSF Medical Center at Mount Zion (San Francisco; USA). Colorectal Surgery Division

2011 Hospital of the University of Duisburg-Essen (Germany). Endocrine Surgery.

2015 AZ Sint-Jan Oostende-Brugge (Brugge, Belgium). Bariatric Revisional Surgery.

Official accreditations

Accredited as Full Professor by the Spanish Ministry of Education/ANECA (*European Association for Quality Assurance in Higher Education*) and the Catalan Quality Agency in Higher Education (AQU) in 2015.

Accredited as expert in bariatric surgery by the Spanish Society of Bariatric Surgery (SECO) & European Chapter of the International Federation for the Surgery of Obesity and Metabolic Disorders in 2018.

Accredited for Robotic Surgery; Intuitive ® Da Vinci Si & Xi Systems (2013 & 2016).

5- MEMBERSHIP AND CURRENT POSITIONS IN SCIENTIFIC SOCIETIES

1- Fellow of the American College of Surgeons

2- Spanish Surgical Association (AEC)

** Secretary of the Scientific Committee, past Surgical Infection Committee Director & Member of the Bariatric Surgery Board*

2- International Federation for the Surgery of Obesity and Metabolic Disorders (IFSO)

** Member of the IFSO-EC Communication and Development Committee*

3- American Society for Metabolic and Bariatric Surgery (ASMBS)

4- Surgical Infection Society- Europe (SIS-E)

**Member of the Board of Directors (Recorder)*

5- European Association for Endoscopic Surgery (EAES)

6- Surgical Infection Observatory (OIC)

**Member of the Directive Board*

7-Spanish Surgical Research Society (SEIQ)

**Vice-president*

8- Spanish Obesity Surgery Society (SECO)

9- Catalanian Surgical Society (SCC)

10- Academy of Medical Sciences of Catalonia and the Balearic Islands

11- Spanish Obesity Society (SEEDO)

Comment: my involvement in these societies includes the writing of clinical practice guidelines, participation and organization of conferences as well as numerous training activities. These activities have also allowed me to be part of collaborations with governmental bodies such as the European Parliament, the Spanish Ministry of Health or the Generalitat de Catalunya.

6- EDITORIAL BOARDS

Member of the **BJS Foundation Council** (British Journal of Surgery) since 2018-present

Senior Editor of “Cirugía Española” 2018-2023; Elsevier ISSN: 0009-739X

Evaluator for the Spanish National Research Agency (AEI/ANEP) since 2006-present

Reviewer of scientific papers for:

BJS, Annals of Surgery, International Journal of Surgery, Surgical Endoscopy, Surgery, Journal of Investigative Surgery, Obesity Surgery, European Surgical Research, Journal of the American College of Surgeons, Surgical Infections, Journal of Diabetes & Metabolism, Cytokine, Cirugía Española

7- SUMMARY OF SCIENTIFIC PUBLICATIONS (*publication list also attached*)

Total number of indexed* articles:	124
Q1* articles:	55
Number of indexed articles as <u>1st author</u> :	15
Number of indexed articles as <u>senior or corresponding author</u> :	22
Number of indexed articles as <u>co-author</u> :	89
Number of indexed <u>Clinical</u> articles:	91
Number of indexed <u>Research</u> articles:	22
Other types of articles (editorials, correspondence, etc.):	11
Cumulative impact factor:	527.11
Hirsch index**:	29
Number of citations received **:	3075
Number of non-indexed articles:	4
Number of Book chapters:	18
Number of Books:	1

* WoS/JCR; ** Google Scholar

8- GRANTS

2024- Member of the Center for Biomedical Research Network on the Pathophysiology of Obesity and Nutrition (CIBEROBN)

Group ID: CB06/03/0001

PI: Laura Herrero

<https://www.ciberobn.es/en>

2023 SGR-953 Research grant from the Government of Catalonia. Surgery Research Group of the Germans Trias u Pujol University Hospital.
(Collaborating investigator)

2023 Privately Funded Research Grant: Double-blind randomized multicenter clinical study to evaluate the superiority of Novosyn CHD® suture thread in reducing surgical site infections versus Novosyn® in patients undergoing clean and clean-contaminated surgery.
Institution: Spanish Association of Surgery
Funding Entity: B. Braun Medical, S.A.
Total amount: 250.000,0 €.
(Principal Investigator)

2022. Research grant- Proyectos Investigación en Salud/ Instituto Carlos III (FIS-2019); PI19/01138. "Brain reward mechanism in ponderal recovery after tubular gastropasty. A multimodal study with functional magnetic resonance imaging". PI: Lilliam Flores Meneses
Institution: Fundació Privada Clínic. Hospital Clínic de Barcelona.

Total amount: 129.470 €.

(Collaborating investigator)

2021. Research Grant of the Spanish Association of Surgery- Randomized Controlled Clinical Trial on Lateral Invagination of Colorectal Anastomosis by Double Stapling (ILAC trial).

Institution: Hospital Clínic de Barcelona

Total amount: 9.400€.

(Collaborating investigator)

2020. Privately Funded Research Grant: Presence of SARS-CoV-2 in aerosols, ambient air, and surfaces during abdominal surgery: a longitudinal descriptive observational study.

Institution: Hospital Clínic de Barcelona

Funding Entity: CONMED Corporation

Total amount: 45.000€.

(Principal Investigator)

2017 Research grant- Proyectos Investigación en Salud/ Instituto Carlos III (FIS-2017); PI17/01879. "Biomolecular alterations in the extracellular matrix as a tool to establish new patient profiles and prediction of response to bariatric surgery. Study in humans and rats".

Institution: Vall d'Hebron University Hospital Research Institute.

Total amount: 122.815 €.

(Principal Investigator)

2014-2017 SGR-1476 Research grant from the Government of Catalonia. Surgery Research Group of the Vall d'Hebron University Hospital.

(Collaborating investigator)

2009- Research grant- -Health Research Projects/ Institute Carlos III (FIS-2012/15); PI12/00448. "Epigenetic modifications after bariatric surgery: analysis of gene methylation related to weight loss, inflammation and intermediary metabolism".

Institution: Fundació Institut d'Investigació en Ciències de la Salut Germans Trias i Pujol.

Total amount: 74.415 €.

(Principal Investigator)

2009- Research grant- Proyectos Investigación en Salud/ Instituto Carlos III (FIS-2009/12); PS09/00759. Comparative study of the peritoneal and systemic inflammatory response after open or laparoscopic gastrectomy for cancer.

Organization: Fundació Institut d'Investigació en Ciències de la Salut Germans Trias i Pujol.

Total amount: 61.710 €.

(Principal Investigator)

2006- 2011 Researcher in the group "Basic and Clinical Surgical Research; 920210". Research Groups of the Complutense University of Madrid UCM-BSCH GR58/08.

Program for the Creation and Consolidation of Research Groups Universidad Complutense/ Comunidad de Madrid.

(Collaborating investigator)

Projects managed by the candidate:

2006- Research grant: "Pancreatic islet transplantation". Positive validation to date. Amount: 18.600 €.

2010- Grant: "Pancreatic islet transplantation-organ procurement from non-heart-beating donors. Project evaluated by ANEP (100/100). Amount: 13.200 €.

2011- Grant: "Pancreatic islet transplantation-organ procurement from non-heart-beating donors". Amount: 6.944 €.

2006- AEC Scholarship for residents. Spanish Surgery Foundation.

2003/2004; 2004/2005; 2005/2006 Researcher in the National Network of Pancreatic Islet Transplantation (G03/171). Thematic Networks of Cooperative Research. MSC. Carlos III Institute.

Amount: 163.946 €.

(Collaborating investigator)

2002/2003 Researcher in the UCM grant nº ref. PR1/03-11613. "Effect of sirolimus and tacrolimus on the inflammatory response and hepatocyte regeneration in a model of hepatic ischemia-reperfusion". (Principal Investigator: M.Cruz García Martín).

(Collaborating investigator)

2001- Scholarship from the Ernesto Seco Foundation for academic merits. Faculty of Medicine. Complutense University of Madrid.

2001/2002- Scholarship for final year students of the Department of Surgery. Complutense University. "Pathophysiology and biochemistry of pulmonary alterations in septic shock: protective effect of montelukast (D.C.I.) and cetirizine (D.C.I.)" Directors: Javier Arias Díaz and Elena Vara

9- AWARDS

1996- Extraordinary Prize of Baccalaureate 1995-96. Consejería de Educación de la Comunidad de Madrid.

2001- Award for the best communication at the Third Congress of Surgery for Students. Santiago de Compostela University. "Treatment of Diabetes Mellitus type 1 by islet of Langerhans transplantation".

2003- "San Nicolás Foundation" Award of the Royal National Academy of Medicine for the best academic record in Spain.

2003- Extraordinary Medical Degree Award 2001-2002 (Faculty of Medicine, Complutense University of Madrid).

2007- Extraordinary Doctorate Award (Department of Surgery, Complutense University of Madrid).

2009- Excellence Award to the best resident doctor of the promotion. Teaching Commission. San Carlos Clínico Hospital. Madrid.

2010- Corachan Award of the Catalan Society of Surgery / Academy of Medical Sciences. Academic Year 2009-2010. "Restorative surgery: volumetric reconstruction with platelet gel in the conservative surgery of breast neoplasms".

2010- Prize for the best communication of the XIII Congress of the Catalan Society of Endocrinology.

2011- Prize for the best communication of the XIV Congress of the Catalan Society of Endocrinology.

2014- XVI Memorial Lino Torre Surgical Research Award. Hospital del Mar/ Parc de Salut del Mar. Barcelona.

2016- Award for the best article published in Cirugía Española: "Do not do recommendations: proposals of the Spanish Association of Surgeons to the 'Commitment to quality of Scientific Societies'.

2019- Actualidad Económica Award as one of the "100 best ideas of 2018" to the Surgical Infection Observatory (SIQ-AEC).

2020- Gimbernat Award for Clinical Excellence. Hospital Clínico San Carlos.

2021- Award for the best paper published in Spanish Surgery: "Surgical site infection prevention measures in General Surgery: Position statement by the Surgical Infections Division of the Spanish Association of Surgery. Spanish Surgical Association.

10- INNOVATION, e-LEARNING AND OTHER DIGITAL ACTIVITIES

2017-present; CMO/ Academic Chairman of AIS Channel (aischannel.com)

The developed activities include the dissemination of scientific content for educational purposes to more than 1 million users in 185 countries (including China), the creation of knowledge related to surgery, the design of digital solutions and devices for the surgical field, as well as consultancy for other companies. It also includes the implementation of highly specialized training courses (including collaborations with IFSO), teaching and dissemination materials, as well as a number of and informative materials as well as various transfer activities, especially related to digital transformation in surgery, application of new technologies and generation of value.

2018-present; Dean of the AI-integrated e-learning platform AIS-Academy/ Khirus (<http://www.khirus.com/>)

2019-2022; Delegate of the University of Barcelona School of Medicine in the commission for the implementation of artificial intelligence at the LERU (League of European Research Universities). * *Chairman of the 2020 Virtual Summer School*

2023- Co-scientific director of the development of the mSurgery solution for robotic surgery in collaboration with Telefónica España S.A.