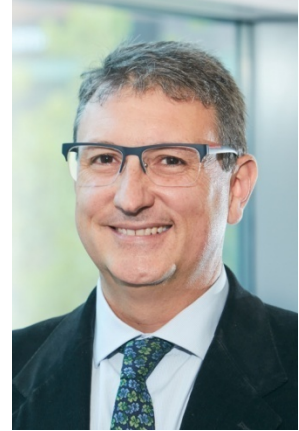


**ANDRÉS CÁRDENAS, MD, MMSc,
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Date prepared: February/ 2024

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PRESENT APPOINTMENTS:

2016 - Staff Member & Consultant
Institut Clinic de Malalties Digestives i Metabòliques
Hospital Clinic, Barcelona, Spain
Associate Professor of Medicine
University of Barcelona, Spain

PREVIOUS APPOINTMENTS:

2011 - 2016 Senior Specialist – Hospital Clinic, University of Barcelona
Institut Clinic de Malalties Digestives i Metabòliques
Hospital Clinic, University of Barcelona, Spain

2006 - 2011 Staff Specialist – Hospital Clinic, University of Barcelona
Institut Clinic de Malalties Digestives i Metabòliques
Hospital Clinic, University of Barcelona, Spain

2004 - 2006 Staff Physician – Division of Gastroenterology and Hepatology
Hospital Pablo Tobón Uribe. Medellín, Colombia

2003 - 2004 Attending Physician – Liver Center / Division of Gastroenterology and Hepatology. Beth Israel Deaconess Medical Center and Harvard Medical School. Boston, Massachusetts

1998 Medical Staff. East Boston Neighborhood Health Center., Urgent Care. Boston Massachusetts

1994 -1995 Medical Staff - Rural Year. Colombian Regional Police Hospital. Medellín, Colombia (Government requirement of one year of social service in family practice.)

EDUCATION:

- 2015 Doctoral Thesis (PhD) (Summa Cum Laude): “Prognostic value and treatment of hyponatremia in patients with advanced cirrhosis and acute on chronic liver failure”
University of Barcelona.
- 2003 Advanced Endoscopy Fellowship - Division of Gastroenterology, Beth Israel Deaconess Medical Center and Harvard Medical School. Boston, Massachusetts
- 2003-2004 Advanced (AASLD) Hepatology Fellowship - Division of Gastroenterology, Beth Israel Deaconess Medical Center and Harvard Medical School. Boston, Massachusetts
- 2000 - 2003 Fellowship - Gastroenterology and Hepatology. Beth Israel Deaconess Medical Center and Harvard Medical School. Boston, Massachusetts
- 2001 - 2003 Master’s in Medical Science (MMSc) - Clinical Investigator Training Program
Harvard Medical School and Massachusetts Institute of Technology. Boston, Massachusetts
- 1998 - 2000 Research Fellowship - Hepatology. Liver Unit - Hospital Clinic of Barcelona
University of Barcelona. Barcelona, Spain
- 1995 - 1998 Internship and Residency - Internal Medicine.
Boston University Residency Program in Internal Medicine
Boston City Hospital, Boston University Medical Center and Boston Veterans Hospital
Boston, Massachusetts
- 1988 -1993 Medical School Degree (MD) – CES University, Medellin, Colombia
Medical Degree: December 9, 1993. Medellin, Colombia

FACULTY & ACADEMIC APPOINTMENTS:

- 2022 Accredited Professor and Researcher - Catalan Agency for Quality Assessment and Accreditation (Agencia de la Calidad y Acreditación Universitaria), Barcelona
- 2021 Course instructor - Master’s degree and postgraduate courses at the University Oberta de Catalunya (UOC).
- 2019- Accredited Member - Liver and Digestive Diseases Networking Biomedical Research Center-CIBEREHD, Spain
- 2019- Accredited Investigator - Institut d’Investigacions Biomèdiques August Pi-Sunyer (IDIBAPS), Spain
- 2018- Associate Professor of Medicine – Department of Medicine, University of Barcelona
- 2018- Faculty Member and Adjunct Professor – Master of Hepatology. University of Alcalá, Madrid, Spain
- 09-12/2017 Visiting Lecturer of Medicine – Department of Medicine and Division of Gastroenterology and Hepatology, Beth Israel Deaconess Medical Center and Harvard Medical School, Boston

- 08/2016 Visiting Professor - Department of Medicine, CES University. Medellin, Colombia
- 2015 - Honorary Member - Department of Medicine, University of Antioquia. Medellin, Colombia
- 07-08/2013 Visiting Lecturer of Medicine – Department of Medicine and Division of Gastroenterology and Hepatology, Beth Israel Deaconess Medical Center and Harvard Medical School, Boston
- 2013-2018 Clinical Professor – Hospital Clinic, Department of Medicine, University of Barcelona
- 2012 - Faculty Member and Adjunct Professor – Master’s Program of Advanced Therapeutic Endoscopy - Hospital Clinic, University of Barcelona
- 2008 - Faculty Member and Adjunct Professor– Master’s Program of Research in Liver Diseases- Hospital Clinic, University of Barcelona
- 2004 - Visiting Professor of Medicine- University of Antioquia. Medellin, Colombia
- 2003 - 2004 Instructor in Medicine- Harvard Medical School
- 2002 - 2003 Patient Doctor Relationship Course Instructor. Harvard Medical School
- 2000 - 2004 Medical School Course Instructor on Human Systems - Module 11A Gastrointestinal Pathophysiology Course - Harvard Medical School
- 1997 - 1998 Teaching Associate - Department of Medicine. Boston University School of Medicine

HONORS/AWARDS:

- 2020 Research Intensification Award for Established Researchers, Fundación Española para el Estudio del Hígado (FEEH)
- 2019 Distinguished Career Recognition Award – Colombian Association of Hepatology
- 2017 Award - *Bolsa de Ampliación de Estudios* / Instituto Carlos III. Ministerio de Economía, Industria y Competitividad
- 2017 Award - *Bolsa de Ampliación de Estudios*. Sociedad Catalana Digestología
- 08-12/2017 International Sabbatical Award - Hospital Clinic, Barcelona
- 2015 Fellow of the American Association for Study of Liver Disease (FAASLD)
- 2014 Boston Award for Best Colangioscopy Video in Spain (May 2014) Sponsored by Boston Scientific Corporation -Spain.
- 2013 Liver Institute and Foundation for Education and Research (LIFER) Visiting Scholar Award at Beth Israel Deaconess Medical Center and Harvard Medical School
- 2012 Fellow of the American Gastroenterological Association (AGAF)
- 2004-2005 Recipient of the Emerging Leaders Award for Young Investigators in Gastroenterology Sponsored by AstraZeneca Pharmaceuticals, Sweden.

- 2004 Recipient of the European Association for Study of Liver Disease Full Bursary Award for 2004 EASL Meeting, Berlin, Germany.
- 2003-2004 Recipient of the Advanced Hepatology Schering Grant. Sponsored by The American Association of Study of Liver Diseases.
- 2002 Recipient of The Research Excellence in Gastrointestinal and Liver “REGAL Award” Sponsored by The University of Kansas Office of Continuing Education.
- 2001 - 2003 Recipient of The Pfizer Corporation Award for Clinical Investigation. Clinical Investigator Training Program - Harvard Medical School and Massachusetts Institute of Technology.
- 1992 Honorary Exchange Student. International Exchange Program Boston University School of Medicine and Affiliated Hospitals.

LEADERSHIP - COMMITTEES

- 2023- Communication Committee Member- Baveno Cooperation an official EASL consortium.
- 2023- Committee member - Abstract Review Section on ACLF – American Association for the Study of Liver Disease (AASLD)
- 2022- Secretary General (Elected)- International Association for the Study of Liver Disease (IASL)
- 2022- Committee Chair – HEP-Art Registry- National Registry of the use of thrombopoietin agonists in patients with cirrhosis. Spanish Society for the Study of Liver Disease- AEEH
- 2021- Committee Chair - Abstract Review – American Gastroenterological Association Institute – Digestive Disease Week® (DDW) 2022 Portal Hypertension, Complications of Cirrhosis, and GI Bleeding
- 2022-2024 Elected Chair - Special Interest Group in Acute on Chronic Liver Disease of the American Association for the Study of Liver Disease (AASLD)
- 2020- Elected Regional (Europe) Council Member- International Association for the Study of the Liver (IASL)
- 2020-2022 Elected Member- American Gastroenterology Institute (AGA) Publications Committee
- 2020-2021 Elected Vice-Chair- Special Interest Group in Acute on Chronic Liver Disease of the American Association for the Study of Liver Disease (AASLD)
- 2018-2020 Elected Secretary - Special Interest Group in Acute on Chronic Liver Disease of the American Association for the Study of Liver Disease (AASLD)
- 2018-2021 Member / EASL Educational Committee – European Association for the Study of Liver Disease
- 2018 Member/ Scientific Committee
XXV Congress of the Latin-American Association for the Study of the Liver (ALEH) Punta Cana, Dominican Republic. September 20-23, 2018

- 2018-2022 Elected Member / Scientific Committee - Catalan Society of Gastroenterology (Sociedad Catalana de Digestologia)
- 2017- Abstract Review Chair - The Liver Meeting, American Association for the Study of Liver Disease (AASLD) - Portal Hypertension and Other Complications of Cirrhosis: Varices and Bleeding (RO3)
- 2017-2018 Member - International Committee of the American Society of Gastrointestinal Endoscopy (ASGE)
- 2016- Abstract Review Chair - Digestive Disease Week, American Association for the Study of Liver Disease (AASLD) - Portal Hypertension and Other Complications of Cirrhosis
- 2016-2018 Elected Member / Steering Committee - Special Interest Group in Acute on Chronic Liver Disease of the American Association for the Study of Liver Disease (AASLD)
- 2016-2019 Member - Annual Meeting Education Committee of the American Association for the Study of Liver Disease (AASLD)
- 2016- Member - Abstract review committee of the United European Gastroenterology Week Organization - ERCP section
- 2015-2017 Elected Member - Nominating Committee of the Liver and Biliary Section of American Gastroenterological Institute (AGA).
- 2015 Member - Independent Data Monitoring Committee of the L-PLUS 2 study: lusutrombopag for the treatment of thrombocytopenia in patients with chronic liver disease undergoing elective invasive procedures. Shionogi, UK
- 2014 - 2017 Elected Member - Physicians Promotions Committee of the Hospital Clinic, Barcelona.
- 2014 - Elected Member - Permanent Council and Governing Board of the Latin-American Society for the Study of Liver Disease (ALEH)
- 2014 - 2017 Member - Research Awards Panel of the American Gastroenterology Institute (AGA)
- 2013 - 2016 Elected Member / Steering Committee - Special Interest Group in Portal Hypertension of the American Association for the Study of Liver Disease (AASLD)
- 2010- Member - Abstract review committee of the American Gastroenterological Institute "Complications of Cirrhosis and Portal Hypertension" section.
- 2010 -2012 Member - Research and Career Development Awards Committee for the American Association for the Study of Liver Disease (AASLD).
- 2008-2009 Member - Independent Data Monitoring Committee of the ELEVATE Study (Eltrombopag to Reduce the Need for Platelet Transfusion in Thrombocytopenic Subjects with Chronic Liver Disease Undergoing Elective Invasive Procedures), GlaxoSmithKline, UK.
- 2008-2011 Member - Abstract review committee of the American Association for the Study of Liver Disease (AASLD) for the "Portal Hypertension and Other Complications of Cirrhosis - Varices and Bleeding; Ascites and other Complications; Portal Hypertension: Experimental" section.

- 2007- Member - Special Interest Group in Portal Hypertension and Liver Transplantation of the American Association for the Study of Liver Disease (AASLD)
- 2005-2007 Member - Practice Guidelines Committee for the American Association for the Study of Liver Disease (AASLD)

COURSE / SYMPOSIUM ORGANIZER

- 2008 Course Director – Single Topic Conference of the American Association for the Study of Liver Disease. “Circulatory and renal failure in cirrhosis: Mechanisms and emerging therapies”. Atlanta, September 5-7, 2008
- 2010 Course Director – European Association for the Study of Liver Disease School of Hepatology. “Endoscopy and Liver Disease”, Barcelona, Spain, December 9-10, 2010
- 2015 Symposium Director – European Association for the Study of Liver - International Liver Congress 2015. “LIVE session- Interventions in Liver Disease”, Vienna, Austria, April 24, 2015
- 2016 Course Director – AASLD - ALEH Research Methodology Workshop, ALEH Meeting Santiago de Chile, September 29, 2016
- 2016 Course Director – Hypercoagulability in Cirrhosis: From the Sinusoid to the Portal Vein. SIG in Portal Hypertension, AASLD. Boston November 13, 2016
- 2017 Course Co-Director – Portal Vein Thrombosis in Cirrhosis: Causes and Consequences. AASLD Webinar. (liverlearning.aasld.org) February 28, 2017
- 2017 Chair. Skills Learning Center in Endoscopy. Invasive Methods: Evaluation and Procedures. The International Liver Congress- EASL 2017, Amsterdam April 21 and 22, 2017
- 2017 Chair. AASLD / DDW Clinical Symposium: Medical and Surgical Treatments of Portal Hypertension. May 9, 2017
- 2018 Chair - Skills in Hepatology: Challenging issues in patients with liver disease undergoing invasive procedures. EASL International Liver Congress, Paris, April 11, 2018
- 2018 Chair. Skills Learning Center in Endoscopy. Invasive Methods: Evaluation and Procedures. The International Liver Congress- 2018, Paris, April 13, 2018
- 2018 Chair. AGA-DDW Clinical Symposium: Complications of Cirrhosis. June 3, 2018
- 2018 Course Co-Director – II AASLD - ALEH Research Methodology Workshop, XXV ALEH Meeting Punta Cana. Dominican Republic, September 22, 2018
- 2019 Chair - Skills Learning Center in Endoscopy. EASL International Liver Congress, Vienna, April 11 & 12, 2019
- 2021 Course Co-Director – III AASLD - ALEH Research Methodology Workshop, ALEH Meeting Online, April 23, 2021

- 2021 *Chair* – EASL-ESGE session: Biliary strictures and what the hepatologist needs to know. EASL Digital International Liver Congress, June 26, 2021
- 2022 *Chair – EASL-ESGE Joint Session:*
Endoscopy and Portal Hypertension.
ESGE Days 2022, April 30, 2022.
- 2022 *Course Director* - Postgraduate Course (PGC)
EASL International Liver Congress™
London, June 22-24, 2022
- 2023 *Chair- ESGE- EASL Joint Symposium Session:*
Challenges in ERCP for patients with liver disease
ESGE Days, April 21, 2023
- 2023 *Course Co-Chair*
Improving outcomes in patients with portal hypertension and ACLF: Beyond the guidelines
Combined Portal Hypertension and Acute on Chronic Liver Failure SIG
The Liver Meeting. American Association for the Study of Liver Disease.
Friday, November 5, 2023
- 2023-24 *Course Co-Director* - EASL -ESGE Online Course / EASL Campus
Endoscopy in patients with hepatobiliary diseases

PUBLICATIONS:

Original Articles

1. Uriz J, Ginès P, **Cárdenas A**, Sort P, Jimenez W, Salmeron JM, Bataller R, Mas A, Navasa M, Arroyo V, Rodes J. Terlipressin plus albumin infusion: an effective and safe therapy of hepatorenal syndrome. *J Hepatol.* 2000 Jul;33(1):43-8. doi: 10.1016/s0168-8278(00)80158-0. PMID: 10905585.
2. Fernández-Esparrach G, Sánchez A, Ginès P, Guevara M, Quintó L, Ventera P, Sort P, Uriz J, **Cárdenas A**, Jimenez W, Bataller R, Arroyo V, Rodes J. A prognostic model for predicting survival in cirrhosis. *J Hepatol.* 2001 Jan;34(1):46-52. doi: 10.1016/s0168-8278(00)00011-8. PMID: 11211907.
3. **Cárdenas A**, Ginès P, Uriz J, Bessa X, Salmeron JM, Mas A, Ortega R, Calahorra B, Delas Heras D, Bosch J, Arroyo V, Rodes J. Renal failure after upper gastrointestinal bleeding in cirrhosis. Incidence, clinical course, predictive factors and short-term prognosis. *Hepatology.* 2001 Oct;34(4 Pt 1):671-6. doi: 10.1053/jhep.2001.27830. PMID: 11584362.
4. Uriz J, Ginès P, Ortega R, Jimenez W, **Cárdenas A**, Calahorra B, Sort P, Fernandez J, Bataller R, Arroyo V, Rivera F, Rodes J. Increased levels of neuropeptide Y in hepatorenal syndrome. *J Hepatol.* 2002 Mar;36(3):349-55. doi: 10.1016/s0168-8278(01)00286-0. PMID: 11867178.
5. Ortega R, Ginès P, Uriz J, **Cárdenas A**, Calahorra B, De las Heras D, Guevara M, Bataller R, Jiménez W, Arroyo V, Rodés J. Terlipressin therapy with and without albumin for patients with hepatorenal syndrome. Results of a prospective, non-randomized study. *Hepatology.* 2002 Oct;36(4 Pt 1):941-8. doi: 10.1053/jhep.2002.35819. PMID: 12297842.

6. Ginès P, Uriz J, Calahorra B, Garcia-Tsao G, Kamath P, Ruiz del Arbol L, Planas R, Bosch J, Arroyo V, Rodes J, Banares R, Bataller R, **Cárdenas A**, Crespo J, Escorcell A, Garcia-Pagan JC, Gonzales M, Guarner C, Guevara M, Jimenez W, Monescillo A, Morillas R, Ortega R, Sort P for the International Study Group on Refractory Ascites in Cirrhosis. Transjugular intrahepatic portosystemic shunting versus repeated paracentesis plus intravenous albumin for refractory ascites in cirrhosis. A multicenter randomized comparative study. *Gastroenterology*. 2002 Dec;123(6):1839-47. doi: 10.1053/gast.2002.37073. PMID: 12454841.
7. Delas Heras D, Fernandez J, Ginès P, **Cárdenas A**, Ortega R, Navasa M, Barbera JA, Calahorra B, Guevara M, Bataller R, Jimenez W, Arroyo V, Rodes J. Increased carbon monoxide production in patients with cirrhosis with and without spontaneous bacterial peritonitis. *Hepatology*. 2003 Aug;38(2):452-9. doi: 10.1053/jhep.2003.50304. PMID: 12883490.
8. Castaño R, Ruiz M, Jaramillo P, Sanín EF. MD, Botero ML, **Cárdenas A**, Juliao F, Granados F. Gastric polyps: Epidemiology and relationship with proton pump inhibitors. *Rev Col Gastroenterol* [online]. 2005, vol.20, n.4, pp.48-59. ISSN 0120-9957
9. Castaño R, Cardenas A, Ruiz M, Sanin E, Erebie F, Juliao F, Mojica D. Burried bumper syndrome. *Rev Col Gastroenterol* [online]. 2005, vol.20, n.3, pp.34-40. ISSN 0120-9957.
10. Castaño R, Alvarez O, Lopera J, Ruiz M, Juliao F, Sanin E, Erebie F. **Cárdenas A**. Self expandible metallic stents in malignant esophageal and gastro-duodenal obstruction. *Revista Colombiana de Cirugía*. 2005 20(1):33-48.
11. Castaño R, Alvarez O, Ruiz M, Juliao F, **Cárdenas A**, Sanín E, Erebie F. Comparison between a gastro-yeyunostomy and a metallic auto-expandible stent for palliation of a malignant gastro-duodenal obstruction. *Rev Col Gastroenterol* [online]. 2006, vol.21, n.1, pp.11-18. ISSN 0120-9957
12. **Cárdenas A**, Curry M, Afdhal N. The not so good effects of nitric oxide inhibition with methylene blue in cirrhosis and ascites. *Dig Dis Sci*. 2007 Apr;52(4):939-40. doi: 10.1007/s10620-006-9151-z. Epub 2007 Feb 17. PMID: 17308970.
13. Londoño MC, **Cárdenas A**, Guevara M, Quintó L, de Las Heras D, Navasa M, Rimola A, Garcia-Valdecasas JC, Arroyo V, Ginès P. Comparison of Meld Score and Serum Sodium in Predicting Survival of Patients with Cirrhosis Awaiting Liver Transplantation. *Gut*. 2007 Sep;56(9):1283-90. doi: 10.1136/gut.2006.102764. Epub 2007 Apr 23. PMID: 17452425; PMCID: PMC1954951.
14. Fernandez-Esparrach G, Ginès A, Sanchez M, Pages M, Pellise M, Fernandez-Cruz L, Lopez-Boado M, Quinto L, Navarro S, Sendino O, **Cárdenas A**, Ayuso C, Bordas JM, Llach J, Castells A. Comparison of endoscopic ultrasonography and magnetic resonance cholangiopancreatography in the diagnosis of pancreatobiliary diseases: a prospective study. *Am J Gastroenterol* 2007; 102:1632-9. Aug;102(8):1632-9. doi: 10.1111/j.1572-0241.2007.01333. x. Epub 2007 May 23. PMID: 17521400.
15. Fernández-Esparrach G, Bordas JM, Llach J, Lacy A, Delgado S, Vidal J, **Cárdenas A**, Pellisé M, Ginès A, Sendino O, Zabalza M, Castells A. Endoscopic dilation with Savary-Gilliard bougies of stomal strictures after laparoscopic gastric bypass in morbidly obese patients. *Obes Surg*. 2008 Feb;18(2):155-61. doi: 10.1007/s11695-007-9372-z. Epub 2008 Jan 5. PMID: 18176830.
16. **Cárdenas A**, Lowe R, Oh S, Bodkin S, Kenney T, Lamorte W, Afdhal N. The hemodynamic effects of substance P and its receptor antagonist, RP67580, in anesthetized rats with carbon tetrachloride induced cirrhosis. *Scand J Gastroenterol*. 2008 Mar;43(3):328-33. doi: 10.1080/00365520701685691. PMID: 18938661

17. Fernández-Esparrach G, Bordas JM, Pellisé M, Gimeno-García AZ, Lacy A, Delgado S, **Cárdenas A**, Ginès A, Sendino O, Monblán D, Zabalza M, Llach J. Endoscopic management of early gastrointestinal hemorrhage after laparoscopic gastric bypass. *Gastrointest Endosc.* 2008 Mar;67(3):552-5. doi: 10.1016/j.gie.2007.10.024. PMID: 18294521.
18. Herrera S, Bordas JM, Llach J, Ginès A, Pellisé M, Fernández-Esparrach G, Mondelo F, Mata A, **Cárdenas A**, Castells A. The beneficial effects of argon plasma coagulation in the management of different types of gastric vascular ectasia lesions in patients admitted for GI hemorrhage. *Gastrointest Endosc.* 2008 Sep;68(3):440-6. doi: 10.1016/j.gie.2008.02.009. Epub 2008 Apr 18. PMID: 18423466..
19. Pellisé M, Fernández-Esparrach G, **Cárdenas A**, Sendino O, Ricart E, Vaquero E, Gimeno-García AZ, de Miguel CR, Zabalza M, Ginès A, Piqué JM, Llach J, Castells. A. Impact of Wide-Angle, High-Definition Endoscopy in the Diagnosis of Colorectal Neoplasia: A Randomized Controlled Trial. *Gastroenterology.* 2008 Oct;135(4):1062-8. doi: 10.1053/j.gastro.2008.06.090. Epub 2008 Jul 9. PMID: 18725223.
20. Santos O, Restrepo JC, Velasquez L, Castano J, Correa G, Sepúlveda E, Yepes N, Hoyos S, Guzman C, Osorio G, **Cárdenas A**. Acute liver failure due to white phosphorus ingestion. *Ann Hepatol.* 2009 Apr-Jun;8(2):162-5. PMID: 19502664.
21. Sun X*, **Cárdenas A***, Wu Y, Enyjoji K, Robson SC. Vascular stasis, intestinal hemorrhage, and heightened vascular permeability complicate acute portal hypertension in *cd39* null mice. *Am J Physiol Gastrointest Liver Physiol.* 2009 Aug;297(2): G306-11. doi: 10.1152/ajpgi.90703.2008. Epub 2009 Jun 11. PMID: 19520738; PMCID: PMC2724088. **Joint first author*
22. Pritchett S*, **Cárdenas A***, Afdhal N. The Optimal Cutoff for Predicting Large Esophageal Varices using Transient Elastography is Disease Specific. *J Viral Hepat.* 2011 Apr;18(4): e75-80. doi: 10.1111/j.1365-2893.2010.01375.x. Epub 2010 Oct 7. PMID: 21040236.- **Joint first author*
23. Endoscopic management of the complications of bariatric surgery. Experience of more than 400 interventions. Fernández-Esparrach G, Córdova H, Bordas JM, Gómez-Molins I, Ginès A, Pellisé M, Sendino O, González-Suárez B, **Cárdenas A**, Balderramo D, Lacy AM, Delgado S, Llach J. *Gastroenterol Hepatol.* 2011 Mar;34(3):131-6. Spanish. doi: 10.1016/j.gastrohep.2010.12.003. Epub 2011 Mar 5. PMID: 21377237.
24. Balderramo D; Bordas, JM.; Sendino O; Navasa M; Llach J; **Cárdenas A**. Complications of endoscopic retrograde colangiopancreatography (ERCP) in liver transplant recipients. *Gastrointest Endosc.* 2011 Aug;74(2):285-94. doi: 10.1016/j.gie.2011.04.025. Epub 2011 Jun 25. PMID: 21704993.
25. Balderramo D, Prieto J, **Cárdenas A**, Navasa M. Hepatic encephalopathy and post-transplant hyponatremia are predictors for the development of early calcineurin inhibitor-induced neurotoxicity in liver transplant recipients. *Transpl Int.* 2011 Aug;24(8):812-9. doi: 10.1111/j.1432-2277.2011.01280.x. Epub 2011 Jun 7. PMID: 21649743.
26. Altamirano J, Higuera-de Latijera F, Duarte-Rojo A, Martínez-Vázquez MA, Abrales JG, Herrera-Jiménez LE, Michelena J, Zapata L, Perez-Hernández J, Torre A, González-González JA, **Cardenas A**, Dominguez M, Arroyo V, Ginès P, Caballería J, Bataller R. The amount of alcohol consumption negatively impacts short-term mortality in Mexican patients with alcoholic hepatitis. *Am J Gastroenterol.* 2011 Aug;106(8):1472-80. doi: 10.1038/ajg.2011.141. Epub 2011 May 10. PMID: 21556041.
27. Altamirano J, Fagundes C, Dominguez M, García E, Michelena J, **Cárdenas A**, Guevara M, Torres-Vigil K, Pereira G, Caballería J, Ginès P, Bataller R. Acute kidney injury is an early predictor of mortality in patients with alcoholic hepatitis. *Clin Gastroenterol Hepatol.* 2012 Jan;10(1):65-71.e3.

doi: 10.1016/j.cgh.2011.09.011. Epub 2011 Sep 22. PMID: 21946124

28. **Cardenas A**, Gines P, Marotta P, Czerwiec G, Oyuang J, Guevara M, Afdhal N. The safety and efficacy of tolvaptan, an oral vasopressin antagonist in the treatment of hyponatremia in cirrhosis. *J Hepatol.* 2012 Mar;56(3):571-8. doi: 10.1016/j.jhep.2011.08.020. Epub 2011 Oct 23. PMID: 22027579.
29. Balderramo B, Oriol O, Burrel M, Real MI, Blasi A, Martinez-Palli G, Bordas JM, Garcia-Valdecasas JC, Rimola A, Navasa M, Llach J, **Cardenas A**. Risk factors and outcome of failed ERCP in liver transplant recipients with anastomotic biliary strictures: a case-control study. *Liver Transpl.* 2012 Apr;18(4):482-9. doi: 10.1002/lt.23371. PMID: 22467549.
30. Altamirano J, Bataller R, Freixa N, Michelena J, Monrás M, **Cardenas A**, Caballería J, Ríos J, Gual A, Lligoña A. Predictive factors of abstinence in patients undergoing liver transplantation for alcoholic liver disease. *Ann Hepatol.* 2012 Mar-Apr;11(2):213-21. PMID: 22345338.
31. Rodríguez De Miguel C, Serradesanferm A, Del Manzano S, **Cárdenas A**, Fernández-Esparrach G, Ginés A, Ricart E, Sendino O, González-Suárez B, López-Cerón M, Llach J, Grau J, Castells A, Pellisé M. Timing of polyethylene glycol administration is a key factor in the tolerability and efficacy of colon preparation in colorectal cancer screening. *Gastroenterol Hepatol.* 2012 Apr;35(4):236-42. Spanish. doi: 10.1016/j.gastrohep.2012.01.012. Epub 2012 Mar 23. PMID: 22445938
32. Afdhal NH, Giannini EG, Tayyab G, Mohsin A, Lee JW, Andriulli A, Jeffers L, McHutchison J, Chen PJ, Han KH, Campbell F, Hyde D, Brainsky A, Theodore D; ELEVATE Study Group. Eltrombopag before procedures in patients with cirrhosis and thrombocytopenia. *N Engl J Med.* 2012 Aug 23;367(8):716-24. doi: 10.1056/NEJMoa1110709. PMID: 22913681. (Collaborator - **Cardenas A**)
33. Balderramo D, Sendino O, Miquel R, Rodríguez de Miguel C, Bordas JM, Graciela Martinez-Palli G, Leoz ML, Rimola A, Navasa M, Llach J, **Cardenas A**. Prospective evaluation of single operator peroral cholangioscopy in liver transplant recipients requiring evaluation of the biliary tract. *Liver Transpl.* 2013 feb;19(2):199-206. doi: 10.1002/lt.23585. PMID: 23404861.
34. Sierra F, Forero JD, Rey M, Botero ML, **Cárdenas A**. Pilot study: miscellaneous therapy is highly successful for *Helicobacter pylori* eradication. *Aliment Pharmacol Ther.* 2013 Jun;37(12):1165-71. doi: 10.1111/apt.12329. Epub 2013 May 8. PMID: 23656465.
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11. Blasi A, **Cárdenas A**. Reply to: "Prophylactic blood products transfusion in post-endoscopic band ligation bleeding - 'tag in TEG' ". *JHEP Rep.* 2021 Nov 18;4(1):100394. doi: 10.1016/j.jhepr.2021.100394. PMID: 34934935; PMCID: PMC8661545

Clinical Guidelines

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8. de Franchis R, Bosch J, Garcia-Tsao G, Reiberger T, Ripoll C; Baveno VII Faculty. Baveno VII - Renewing consensus in portal hypertension. *J Hepatol.* 2022 Apr;76(4):959-974. doi: 10.1016/j.jhep.2021.12.022. Epub 2021 Dec 30. Erratum in: *J Hepatol.* 2022 Apr 14;; PMID: 35120736. **(Cardenas A -Collaborator)**

Non-Print, Online Material

1. **Cárdenas, A**, Gelrud A, Chopra S. Chylous, pancreatic and bloody ascites. Post TW, ed. UpToDate. Waltham, MA: UpToDate Inc. <http://www.uptodate.com>
2. Gelrud A, **Cárdenas A**, Chopra S. Epiploic Appendagitis.. Post TW, ed. UpToDate. Waltham, MA: UpToDate Inc. <http://www.uptodate.com>
3. **Cárdenas A**, Krok K, Thuluvath P. Liver transplantation in adults: Endoscopic management of biliary biliary adverse events. Post TW, ed. UpToDate. Waltham, MA: UpToDate Inc. <http://www.uptodate.com>
4. **Cárdenas, A**, Kelleher T, Chopra S. Hepatic Hydrothorax. Post TW, ed. UpToDate. Waltham, MA: UpToDate Inc. <http://www.uptodate.com>
5. **Cárdenas A**, Krok K. Ascites: a guide to diagnosis and treatment. *BMJ Learning.com*, 2008.
6. **Cárdenas A**, Gines P. Síndrome Hepatorrenal. www.hepatoinfo.com Progresos en Hepatología, Octubre 2008
7. **Cárdenas A**. New endoscopic approaches in Hepatobiliary diseases. Invited Course Faculty for EASL e-series 2010. <http://www.multiwebcast.com/easl/2010/e-series/listing>
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10. **Cardenas A**. Frontline Gastroenterology Twitter Debate. Complications with cirrhosis - Portal Hypertension. June 9, 2015, 8-9pm GMT. <https://twitter.com/hashtag/FGDebate?src=hash>
11. **Cardenas A**. Interview Series for Clinical Liver Disease (2012-2017). CLD -A Multimedia Review Journal from the American Association for the study of Liver Disease. <https://aasldpubs.onlinelibrary.wiley.com/journal/20462484>
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13. **Cardenas A**. Radio interview. CES University Radio. <https://sitios.ces.edu.co/cesradio/2019/11/20/que-nos-cuenta-el-egresado/>
14. **Cardenas A**. Twitter #Scoping Sundays. Management of Gastric Varices. January 23, 2021, 3pm EST. <https://twitter.com/ScopingSundays/status/1352989756184010755/photo/1>
15. **Cardenas A**. Primary Prophylaxis of Variceal Bleeding. Interview: <https://www.hmpgloballearningnetwork.com/site/gastro/videos/andreas-cardenas-md-primary-prophylaxis-variceal-bleeding>
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Abstracts/Posters presented at Professional Meetings (last 8 years)

1. Chávez K, Mendez-Bocanegra A, Fernández-Simón A, Sendino O, Rodríguez de Miguel C, Crespo G, Colmenero J, Llach J, Navasa M, **Cardenas A**. Clinical outcome of ERCP without prior MRCP in patients with suspected biliary complications after liver transplantation. *Gastroenterology* 2016; 150, Suppl 1. Sa1633 A
2. Fernández-Simón A, Royg D, Sendino O, Chavez-Rivera K, Mendez-Bocanegra A, Sendino O, Rodríguez de Miguel C, Llach J, Crespo G, Colmenero J, Navasa M, **Cardenas A**. Sphincter of Oddi Dysfunction after Liver Transplantation: Experience in a High-Volume Transplant Center. *United European Gastroenterology Journal* October 2016 vol. 4 no. 5 suppl P0736
3. Fernandez-Simon A, Sendino O, Law R, Abu Dayyeh BK, Leise M, Mendez-Bocanegra A, Colmenero J, Crespo G, Llach J, Baron TH, **Cardenas A**. Endoscopic therapy for bile leaks after liver transplantation: An analysis of two high-volume transplant centers. *United European Gastroenterology Journal* October 2016 vol. 4 no. 5 suppl P1287
4. Leal C; Prado V; Colan J; Chavez-Rivera K; Sendino O; Blasi A; Fernandez J; Guarner, C; **Cardenas A**. Adverse Events and the development of Acute on Chronic Liver Failure in patients with cirrhosis undergoing Endoscopic Retrograde Cholangiopancreatography: A retrospective, multicenter, case-control study. *J Hepatol* 2017; 66 THU-023A
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6. Blasi A, Calvo A, Hernandez M, Reverter JC, Fernandez J, **Cardenas A**. Prospective evaluation of the Thromboelastography (ROTEM®) profile in patients with Acute-on-Chronic Liver Failure (ACLF) and decompensated cirrhosis. *Hepatology* 2017 66:S1. 548Abs
7. Mezzano G, **Cardenas A**, Aguilar F, Pavesi M, Solé C, Solà E, Napoleone L, Graupera I, Juanola A, Carol M, de Prada G, Fabrellas N, Martinez J, Saliba F, Welzel TM, Arroyo V, Gines P on behalf of the CANONIC study investigators of the EASL-CLIF Consortium. La hiperpotasemia es un factor pronostico en pacientes con cirrosis con descompensación aguda (DA) y insuficiencia hepática aguda crónica (ACLF). Un analisis del estudio CANONIC. *AEEH* 2018
8. Mezzano G, **Cardenas A**, Aguilar F, Pavesi M, Solé C, Solà E, Napoleone L, Graupera I, Juanola A, Carol M, de Prada G, Fabrellas N, Martinez J, Saliba F, Welzel TM, Arroyo V, Gines P on behalf of the CANONIC study investigators of the EASL-CLIF Consortium. Hyperkalemia influences the outcome of patients with cirrhosis with acute decompensation (AD) and acute on chronic liver failure (ACLF). *J Hepatol* 2018; 68, S1: THU 261
9. Hernandez G, Blasi A, Risco R, Chavez K, Juanola A, Sendino O, **Cardenas A**. Bleeding Events after Endoscopic Band Ligation and Use of prophylactic Plasma and/or Platelet Transfusion in Patients with Cirrhosis and Esophageal Varices. *Ann Hepatol* 2018; 17 (6), P102
10. Villagrasa-Vilella A, Hernandez G, Chavez K, Juanola A, Sendino O, **Cardenas A**. Infrequent biliary complications in liver transplant patients. *Ann Hepatol* 2018 *Ann Hepatol* 2018; 17 (6), P135

11. Blasi A, Hernandez G, Risco R, Chavez K, Juanola A, **Cardenas A**. The lack of benefit of prophylactic transfusions in patients with cirrhosis and esophageal varices undergoing endoscopic variceal ligation. *J Hepatol* 2019; 70, S1: SAT-023.
12. Mezzano G, Juanola A, **Cardenas A**, Gines P, Solà E, Hernaez R. International perspective of prevalence and mortality of acute-on-chronic liver failure: a systematic review and meta-analysis. *Hepatology* 2019; 70,1065A.
13. Fernandez-Simon A, Sendino O, Chavez-Rivera K, Colmenero J, Crespo G, Fundora Y, Ruiz R, Fondevila C, Navasa M, **Cardenas, A** Alteraciones del esfínter biliar en pacientes sometidos a trasplante hepático según criterios de ROMA IV. *Gastroenterol Hepatol*. 2020;43 Supl Congr 1:170
14. Fernandez-Simon A, Sendino O, Chavez-Rivera K, Colmenero J, Crespo G, Fundora Y, Ruiz R, Fondevila C, Navasa M, **Cardenas, A** Alteraciones del esfínter biliar en pacientes sometidos a trasplante hepático según criterios de ROMA IV. Congreso XXIX Sociedad Catalana de Digestologia 2020
15. Éxito de un segundo intento de CPRE posterior a una canulación fallida con precorte; eficacia y seguridad de técnicas alternativas de drenaje biliar. Edgar Castillo-Regalado, Henry Córdova, Jordi Gratacós-Ginès, Joan Llach, Anna Pocurull, Oriol Sendino, Karina Chávez, Josep Llach, **Andrés Cárdenas**. Congreso XXIX Sociedad Catalana de Digestologia 2020
16. Fernandez-Simon A, Sendino O, Chavez-Rivera K, Colmenero J, Crespo G, Fundora Y, Ruiz R, Fondevila C, Navasa M, **Cardenas, A**. The presence and outcome of biliary sphincter disorders in liver transplant recipients according to the Rome IV classification. *J Hepatol* 2020 73; AS105
17. Blasi A, Machlab S, Risco R, Costa-Freixas JP, Hernandez G, Horta D, Bofill A, Ruiz-Ramirez PA, Profitos J, Sanahuja JM, Fernandez-Simon A, Vergara-Gomez M, Sanchez-Delgado J, **Cardenas A**. A multicenter analysis of the role of prophylactic transfusion of blood products in patients with cirrhosis and esophageal varices undergoing endoscopic band ligation. *J Hepatol* 2020 73; THU223.
18. Bofill A, Fernandez-Simón A, Chavez-Rivera K, Cordova H, Sendino O, **Cardenas A**. The impact of per-oral digital cholangioscopy (POCS) in the management of biliary tract complications after liver transplantation. *Sociedad Catalan Digestologia* 2021. Oral presentation
19. Fernandez-Simon A, Vilagrasa-Vilella A, Bofill A, Chavez-Rivera K, Cordova H, O. Sendino O, **Cardenas A**. Uncommon biliary complications in liver transplant recipients: an observational analysis over 16 years. *Endoscopy* 2021; 53: S48.
20. Castillo-Regalado E, Córdova H, Fernández-Simón A, J. Castillo-Iturra J, Bofill A, Soy Ripoll G, Olivas Alberch I, Llach J, Chávez K, Sendino O, A. **Cárdenas A**. Success of a second ercp after failure of initial biliary cannulation following precut sphinctertomy, efficacy and safety of alternative biliary drainage techniques. *Endoscopy* 2021; 53: S16-S17.
21. Bofill A, Fernandez-Simón A, Chavez-Rivera K, Cordova H, Sendino O, **Cardenas A**. The impact of per-oral digital cholangioscopy (POCS) in the management of biliary tract complications after liver transplantation. *Gastroenterology* 2021 160: 6S-818

22. Fernandez-Simon A, Vilagrasa-Vilella A, Bofill A, Chavez-Rivera K, Cordova H, O. Sendino O, **Cardenas A**. Uncommon biliary complications in liver transplant recipients: an observational analysis over 16 years. *Gastroenterology* 2021 160: 6S-816.
23. Franzini TA, De Moura E, **Cardenas A**, Slivka A, Poley JW, Papachristou G, Rabinovitz M, Bruno M, Peetermans JA, Rousseau MJ, Yin S, Andraus W, Emond JC, Sethi A. Per oral cholangioscopy (POCS) in liver transplant patients: a prospective, international series. *Gastrointestinal Endoscopy* 95(6): AB316. DOI: 10.1016/j.gie.2022.04.822
24. Bofill A, Fernandez-Simon A, Ruiz PA, Fundora Y, Montironi C, Morales-Ruiz M, **Cardenas A**. The role of per-oral digital cholangioscopy (POCS) in the management of biliary tract complications after liver transplantation. *Hepatology* 2022. 76: S1571. <https://doi.org/10.1002/hep.32697>
25. Bofill A, Fernandez-Simon A, Ruiz PA, Fundora Y, Montironi C, Morales-Ruiz M, **Cardenas A**. Biliary strictures in liver transplant recipients: novel strategies for identifying therapeutic targets of biliary fibrosis. *J Hepatol* 2023. 78(S1) / THU-536
26. Al-Obaid L, Bilal M, Pawlak K, Tehami N, Moura D, Liu R, Samanta J, Almuhaideb A, Rodríguez Parra A, **Cardenas A**, Ryou M, Bazarbashi AN. An international survey on practice patterns for the management of gastric varices. *Hepatology* 2023. 78 (S1). 3134-A. DOI: 10.1097/HEP.0000000000000580.

Laboratory and Other Research Supervisory and Training Responsibilities

- | | |
|-----------|---|
| 2009-2012 | Domingo Balderramo. MD Thesis Supervised
Title: New aspects in the endoscopic management of biliary complications associated with liver transplantation.
March 13, 2012. University of Barcelona, Spain |
| 2012-2018 | Carlos Leal .MD Thesis Supervised
Title: Adverse events of ERCP in patients with cirrhosis and liver transplant recipients.
April 25, 2019. University of Barcelona, Spain |
| 2016-2022 | Alejandro Fernandez-Simon, MD, Thesis Supervised
Title: The modern management of bile leaks and biliary sphincter disorders after liver transplantation.
May 11, 2022. University of Barcelona, Spain |
| 2018- | Gabriel Mezzano. MD, Thesis Supervised
Title: The prevalence and outcomes of patients with ACLF
University of Barcelona, Spain |
| 2023 - | Alex Bofill. MD, Thesis Supervised
Title: Cholangioscopy and liver transplantation
University of Barcelona, Spain |

Formally Supervised Trainees

- | | |
|-----------|--------------------------------|
| 2009-2011 | <u>Domingo Balderramo, MD-</u> |
|-----------|--------------------------------|

Staff Physician and Instructor, Gastroenterology Department, Hospital Privado-Centro Médico de Córdoba, Córdoba, Argentina
Research Project: Endoscopic therapy of biliary complications after liver transplantation
Published six papers (*GI Endoscopy, Liver transplantation, Transpl Int, Gastroenterol Hepatol*)

- 2010 Leyla Nazal, MD.
Staff Physician, Hospital Fuerza Aerea, Chile.
Research Project: Prognostic markers for patients with ascites
Published 1 paper (*Disease Markers*)
- 2010-11 Oriol Sendino, MD.
Staff Physician, Hospital Clinic, Barcelona
Research project: Bile leaks after liver transplantation
Published four papers (*GI Endoscopy, Liver transplantation, UEG Journal*)
- 2011 Carmen Gioconda Zuramay., MD.
Staff Physician,
Hospital Dr. Miguel Pérez Carreño, Venezuela
Clinical training
- 2012 Carlos Leal, MD.
Staff Physician. Hospital de Vic, Catalunya, Spain
Research project: Complications of ERCP in patients with cirrhosis
Published three papers (*Liver transplantation, Am J Gastroenterol*)
- 2013 Diego Royg, MD.
Staff Physician. Hospital Escuela de Agudos Dr. Ramon Madariaga, Argentina
Research project: ERCP for biliary anastomotic strictures in liver transplant recipients.
- 2012-13 Alexandra Aldana, MD.
Staff Physician- Pediatric Gastroenterologist, Hospital Sulaiman Al Habib Riyadh, Saudi Arabia,
Research Project: Precut papillotomy after failed ERCP.
- 2013 -14 Carmen de Olival, MD.
Staff Physician. Hospital Domingo Luciani, Caracas, Venezuela
Clinical training.
- 2013 -14 Alejandro Fernandez-Simon, MD, Ms.
Staff Physician. Hospital Clinic, Barcelona
Clinical Training and Research: SOD and bile leaks after liver transplantation
Published 2 papers (*UEG Journal, Gastroenterol Report*)
- 2014 Milena Socarras, MD. Staff Physician, Clinica Chia and Nueva EPS, Bogotá, Colombia
Clinical Training.
- 2015 Julio Mertenat, MD. Staff Physician, Sanatorio Británico de la Ciudad de Rosario y Hospital Español de Rosario; Argentina
Clinical Training.
- 2015-17 Karina Chavez-Rivera, MD, Ms.
Staff Physician. Hospital Clinic, Barcelona,
Clinical Training and Research: Role of MRCP vs ERCP after liver transplantation

- 2016 Maria Moris, MD, PhD.
Staff Physician Hospital Marques de Valdecilla, Santander, Spain
Clinical Training
- 2017-18 Geovanny Hernandez, MD.
Staff Physician Hospital Fundación Cardioinfantil, Santafe de Bogotá, Colombia
Clinical Training and Research: Bleeding events after endoscopic band ligation
- 2015-17 Adria Carpio, MD, Ms.
Staff Physician. Hospital Clinic, Barcelona,
Clinical Training and Research: Cholangioscopy for biliary complications after liver transplantation
- 2018-19 Alvaro Diaz-Gonzalez, MD, Ms, PhD.
Staff Physician. Hospital Marqués de Valdecilla, Santander, Spain
Clinical Training and Research: Peroral Digital Cholangioscopy for biliary anastomotic strictures after liver transplantation
- 2022- Alex Bofill, MD
Staff Physician. Hospital Clinic, Barcelona, Spain
Clinical Training and Research: Peroral Digital Cholangioscopy for biliary anastomotic strictures after liver transplantation
- 2022 Arnold Gonzalez, MD
Staff Physician. Hospital de Badalona, Spain
Clinical Training in ERCP
- 2023 Alejandro Mayorga, MD
Staff Physician. Hospital de Tortosa, Spain
Clinical Training in ERCP
- 2023 Lesly Calixto, MD
Staff Physician.
Clinical Training in ERCP

GRANTS- RESEARCH PROJECTS

Past

- 1998-2000 Renal failure and gastrointestinal bleeding in cirrhosis
Grant - Fondo de Investigación Sanitaria (FIS/00/0616) and Dirección General de Investigación Científica y técnica (SAF99-0016), SPAIN
PI: Dr Pere Gines / **Role: Co-Investigator**
The main goal of this project was to understand the role of gastrointestinal bleeding on renal function in patients with cirrhosis. I wrote the protocol and performed all data collection.
- 1998-2001 Vasoconstrictor therapy for renal failure in cirrhosis
Grant -Marato Fundació TV3 (U-2000-TV2710), Fondo de Investigación Sanitaria (FIS 00/0616), Dirección General de Investigación Científico y Técnica (SAF 2001/030)
PI: Dr Pere Gines / **Role: Co-Investigator**

The aim of this project was to evaluate the effects of terlipressin, a powerful vasoconstrictor, on renal function of patients with cirrhosis and hepatorenal syndrome. I helped write the protocol and performed data collection in all patients.

- 1999-2002 Carbon monoxide levels in cirrhosis
Grant - Fondo de Investigación Sanitaria (FIS 00/0616), Instituto de Salud Carlos III (CO3/2).
PI: Dr Pere Gines /Role: **Co-Investigator**
The major goal in this project was measure carbon monoxide production in patients with cirrhosis with and without ascites and in patients with spontaneous bacterial peritonitis. I designed and wrote the protocol and performed all data collection.
- 2001-2003 Nitric oxide inhibition in cirrhosis
Grant - RR 01032 to the Beth Israel Deaconess Medical Center General Clinical Research Center from the National Institutes of Health.
Role: Principal Investigator
The main goal of this project was to evaluate the systemic, hemodynamic, and renal effects of Nitric Oxide inhibition in patients with advanced cirrhosis and fluid retention. I designed and wrote the protocol, performed measurements, and collected data in all patients.
- 2008-2011 Therapy of acutely bleeding esophageal varices: medical optimization of therapy in complex scenarios.
Grant - Fondo de Investigación Sanitaria (PI080504)
PI: Dr Angels Escorcell / **Role: Co-Investigator**
The objective of this multicenter study project was to evaluate rescue therapies for patients with acute variceal bleeding that failed endoscopic therapy. I helped design and write the protocol, performed procedures and measurements in enrolled patients.
- 2007-2014 Noninvasive endoscopic measurement of portal pressure pre and postprandially in cirrhotic patients after octreotide vs placebo
Investigator Initiated - Institut d'Investigacions Biomèdiques August Pi-Sunyer (IDIBAPS), Ciber de Enfermedades Hepáticas y Digestivas (CIBERHED), Barcelona, Spain
PI: Dr Jaime Bosch/ **Role: Co-Investigator**
The objective of this study was to evaluate the role of the endoscopic non-invasive measurement of portal pressure in patients with cirrhosis. I performed all procedures and helped with data collection in enrolled patients.
- 2012-2014 Hyponatremia in acute on chronic liver failure: an analysis of the Canonic study
Unrestricted grant from Grifols
Role: Principal investigator
Amount: non-disclosed
The objective of this ancillary study of the European Association for the Study of the Liver-chronic liver failure (EASL-CLIF) Consortium was to evaluate the prevalence, incidence, risk factors and outcome of hyponatremia in patients with ACLF. I performed the data collection and analysis from the main database of the patients enrolled in the CANONIC Study.
- 2009-2011 Endoscopic and histological features of anastomotic biliary strictures in liver transplant recipients
Investigator Initiated - Institut d'Investigacions Biomèdiques August Pi-Sunyer (IDIBAPS), Ciber de Enfermedades Hepáticas y Digestivas (CIBERHED), Barcelona, Spain
Role: Principal Investigator

The objective of this project was to evaluate the role of colangioscopy in liver transplant recipients with biliary strictures. I designed and wrote the protocol; I performed the procedures and biopsies in all enrolled patients.

- 2008-2012 Endoscopy for Biliary Complications after liver transplantation
Investigator Initiated - Institut d'Investigacions Biomèdiques August Pi-Sunyer (IDIBAPS), Ciber de Enfermedades Hepáticas y Digestivas (CIBERHED), Barcelona, Spain
Role: Principal Investigator
The objective of this project was to evaluate the outcome of patients with biliary complications after liver transplantation that undergo endoscopic therapy (success, outcomes and complications). I designed and wrote the protocol, performed procedures and data collection in all enrolled patients.
- 2015-2018 Thromboelastography in patients with acute on chronic liver failure
Investigator Initiated - Institut d'Investigacions Biomèdiques August Pi-Sunyer (IDIBAPS), Ciber de Enfermedades Hepáticas y Digestivas (CIBERHED), Barcelona, Spain
Role: Co-Principal Investigator
The objective of this project is to study thrombin generation in patients with decompensated cirrhosis and acute on chronic liver failure. I helped design the protocol; and performed data collection in enrolled patients.
- 2017-2023 LIVERHOPE: Simvastatin and Rifaximin as a new therapy for patients with decompensated cirrhosis. Code: H2020-SC1-2016-RTD/731875.
PI: Dr Pere Gines / **Role: Co-Investigator**
Funding Agency: European Commission- H2020
Amount: 5, 998,800.39 €
The objective of this project is to evaluate the role of these drugs on outcome of patients with decompensated cirrhosis. I helped design the protocol.
- 2017-2022 The role of a digital cholangioscopy in anastomotic biliary strictures of liver transplant recipients. Multicenter study. Code: E7114
Role: Principal Investigator (Spain)
Funding: Boston Scientific Corporation
Amount: non-disclosed
The objective of this project is to evaluate the role of a new digital colangioscopy in liver transplant recipients with biliary strictures.
- Current**
- 2020-2024 Novel strategies for identifying therapeutic targets of biliary fibrosis of the biliary anastomosis stenosis in liver transplant recipients. Code: PI19/00752
Role: Principal Investigator
Funding Agency: Fondo de Investigación Sanitaria – Instituto Carlos III. Ministerio de Ciencia y Innovación y Universidades, España
Amount 87.120,00 €
The objectives of this project are to determine gene expression of TGF-B1 from colangioscopy samples and from surgical bile duct samples of patients that undergo surgery for BAS as a potential therapeutic target for local therapy at the BAS and determine if the gene expression of TGF-B1 is helpful in predicting outcome and response to endoscopic therapy.
- 2020-2022 Hemodynamic profile of terlipressin and octreotide in patients with cirrhosis and portal hypertension. A randomized, single blinded clinical trial. INFUTER

Role: Co-Investigator

Funding: Mallinckrodt Pharmaceuticals.

EudraCT No: 2019-004328-39

Amount: 325.600,00€

The objectives of this project are to compare the pharmacodynamic effect of a single administration of terlipressin or octreotide on HVPG in patients with cirrhosis and portal hypertension and to compare the safety of a single administration of terlipressin and octreotide in patients with cirrhosis and portal hypertension.

2020-2023 EUROTIPS project: the European Registry of patients treated with TIPS following a standardized, state of the art, pre, peri and post procedural approach.

Role: Co- Investigator

Funding: EASL Registry Grant.

Amount: 40,000€

The EuroTIPS project aims to register a large number of patients receiving TIPS for the treatment of different complications of portal hypertension. In all cases TIPS will be done following a set of agreed high quality criteria in relation to definition of TIPS indication, pre-TIPS evaluation, type and stent dilatation, place and timing for portal pressure measurement and post-TIPS follow-up.

2021-2023 The effect of a combination of Hyaluronic Acid, Chondroitin Sulfate, as an adjunct to therapy in patients undergoing elective endoscopic band ligation

Role: Principal Investigator

Funding: Norgine Pharmaceuticals.

Amount: 15,000€

The objective of the study is to assess the efficacy, safety and impact of Ziverel on the development of dysphagia and retrosternal pain after EBL. Secondary endpoints include changes in health-related quality of life of patients, mucosal healing and bleeding after EBL.

2023- Precision medicine in cholangiocarcinoma: accurate tools for early detection and identification of PRMT5 as a novel pharmacological target (**BileCanMet**)

Role: Co- Investigator

Funding: TRANSCAN-3 JTC 2022. Horizon 2020 Framework Programme

Amount: € 1,305,367

The objective of the study is to validate and integrate in a prospective multicentric international study the performance of bile cfDNA, microbiome and BA profile analyses, for cancer-risk assessment and early detection of malignancy in patients with biliary strictures.

EDITORIAL BOARDS

1. Liver Transplantation (Deputy Editor) 2020-2025
2. Journal of Hepatology- (Editorial Board) 2020-2025
3. American Journal of Gastroenterology (Editorial Board)
4. Gastrointestinal Endoscopy (International Editorial Board) 2015-
5. Frontline Gastroenterology (Associate Editor)
6. Annals of Hepatology (Associate Editor)
7. Digestive and Liver Disease (Section Editor)
8. Current Hepatology Reports (Section Editor: Management of the Cirrhotic Patient)
9. Alimentary Pharmacology and Therapeutics (Editorial Board) (2014-2021)
10. European Journal of Gastroenterology and Hepatology (Editorial Board)
11. Gastroenterology Report (Editorial Board)

12. Liver Transplantation (Associate Editor) 2015-2020
13. Journal of Hepatology- (Editorial Board- Section Editor) 2015-2020
14. Clinical Liver Disease (Associate Editor) 2012-2017
15. Hospital Practice (Editorial Board)
16. Portal Hypertension & Cirrhosis (Editorial Board)
17. Hepatología (revistahepatologia.com) (Editorial Board)
18. Springer Nature Comprehensive Clinical Medicine (Editorial Board)
19. Journal of Gastroenterology and Hepatology Research (Editorial Board)
20. Treatment Strategies, Cambridge Research Center – Gastroenterology (Advisory Panel)
21. World Journal of Hepatology (Editorial Board) 2014-2017
22. Revista GEN - Sociedad Venezolana de Gastroenterología (International Editorial Board)
23. Revista Colombiana de Gastroenterología (Scientific Committee) 2007-2011

AD HOC REVIEWER FOR MEDICAL JOURNALS:

AdHoc Reviewer for these selected Journals

New England Journal of Medicine
 Gastroenterology
 Hepatology
 Gut
 Journal of Hepatology
 American Journal of Gastroenterology
 Clinical Gastroenterology and Hepatology
 Gastrointestinal Endoscopy
 Liver Transplantation
 Cochrane Database for Systematic Reviews
 Alimentary Pharmacology and Therapeutics
 American Journal of Physiology - Gastrointestinal and Liver Physiology
 American Journal of Transplantation
 Liver International
 Journal of Clinical Gastroenterology
 Digestive Diseases and Sciences
 Frontline Gastroenterology
 Annals of Hepatology
 European Journal of Gastroenterology and Hepatology
 Hepatology Communications
 UptoDate.com

AD HOC REVIEWER FOR ABSTRACTS OF THE FOLLOWING MEDICAL SOCIETIES:

American Gastroenterological Association – AGA (Chair)
 American Association for the Study of Liver Disease – AASLD (Chair)
 European Association for the Study of the Liver -EASL
 United European Gastroenterology Week - UEGW
 Catalan Society of Gastroenterology - SCD

BOARD CERTIFICATIONS:

1995, 1996 United States Medical Certifications, USMLE (Parts 1, 2 & 3).

- 2004, 2014 Board Certified in Gastroenterology and Hepatology by the American Board of Internal Medicine Diplomate of the American Board of Internal Medicine.
- 2002 Board Certified in Internal Medicine by the American Board of Internal Medicine Diplomate of the American Board of Internal Medicine.

MEDICAL LICENSES:

- 1998-present Full license, Massachusetts, United States
1998-present Full license, Spain
1994-present Full license, Colombia

PERSONAL DATA & LANGUAGES:

Place and Date of Birth: Colombia, October 22, 1969.
Citizenships: Colombia and Spain.
Marital Status: married / 1 child.
Languages: English (native/fluent) and Spanish (native/fluent)

ACTIVE MEMBERSHIPS:

- 1996 - Massachusetts Medical Society - MMS
1999 - International Ascites Club - IAC
2000 - American Gastroenterological Association - AGA
2000 - American Association for the Study of Liver Disease - AASLD
2001 - European Association for the Study of the Liver -EASL
2014 - Catalan Society of Gastroenterology
2016 - Latin-American Association for the Study of Liver Disease - ALEH
2016 - Spanish Society for the Study of Liver Disease - AEEH
2020- International Association for the Study of Liver Disease - IASL

INVITED PRESENTATIONS AND LECTURES:

National & International

- 2000 Pathogenesis of fluid and electrolyte imbalance in cirrhosis / Invited Lecture
EDEMA: The Telesio Conference 2000 - Universita Della Calabria, Italy
- 2001 The pathophysiology and treatment of ascites / Invited Lecture
Thorndike Lecture, Department of Medicine
Beth Israel Deaconess Medical Center, Harvard Medical School
- 2002 Renal Failure after Upper Gastrointestinal Bleeding in Cirrhosis / Invited Lecture
Regal Award Symposium, Laguna Niguel, California, USA
- 2003 Ascites and Spontaneous Bacterial Peritonitis/ Invited Lecture
GI lecture Series
Beth Israel Deaconess Medical Center, Harvard Medical School
- 2003 Hepatorenal Syndrome/ Invited Lecture
Department of Internal Medicine
West Roxbury Veterans Administration Hospital, Harvard Medical School
- 2003 Increased Levels of Carbon Monoxide in Cirrhosis
HST Forum 2003
Harvard-MIT Division of Health Sciences and Technology
Boston, Massachusetts.
- 2004 Management of Ascites and Hepatorenal Syndrome/ Invited Lecture
Department of Medicine
Beth Israel Deaconess Medical Center, Harvard Medical School
- 2003 Diagnostic Tests in Hepatology / Invited Lecture
1st Gastroenterology and Hepatology Symposium, Instituto de Ciencias de la Salud CES,
Medellín, Colombia
- 2003 Evaluation and management of patients with cirrhosis and ascites / Invited Lecture
1st Gastroenterology and Hepatology Symposium, Instituto de Ciencias de la Salud CES,
Medellín, Colombia
- 2003 Update in viral hepatitis / Invited Lecture
1st Gastroenterology and Hepatology Symposium, Instituto de Ciencias de la Salud CES,
Medellín, Colombia
- 2004 Boston International Live Endoscopy Course/ Invited Faculty
Harvard Medical School, Boston
- 2004 Prevention of Hepatitis B recurrence after liver transplantation / Invited Lecture
XVIII Meeting of the Colombian Academy of Internal Medicine, Bogota, Colombia
- 2004 Increased vascular permeability as a complication of portal hypertension in
CD39/NTPDASE1 null mice / Invited Lecture
Emerging Leaders in Gastroenterology Award Programme, Gothenburg, Sweden.
- 2004 Hepatorenal Syndrome / Invited Lecture
5th Course of the Academy of Gastroenterology of Antioquia, Medellín, Colombia.

- 2005 Portal Hypertension / Invited Lecture
9th Course of Gastroenterology and Hepatology of the “Clínica Reina Sofia”, Bogotá, Colombia.
- 2005 Management of Variceal Bleeding / Invited Lecture
Schering Hepatology Symposium, Bogotá, Colombia.
- 2005 Evaluation and Management of Cirrhotic Ascites / Invited Lecture
3rd Colombian and Venezuelan Hepatology Congress, Cartagena, Colombia.
- 2005 Ascites and Spontaneous Bacterial Peritonitis / Invited Lecture
Clinical Management Workshop – EM -24
The Liver Meeting of American Association for the Study of Liver Disease, San Francisco, CA.
- 2006 How to Publish in Gastroenterology and Hepatology Journals / Invited Speaker
Controversies in Hepatology, Colombian Association for the Study of Liver Disease. Bogotá, Colombia.
- 2006 Refractory Ascites and Hepatorenal Syndrome / Invited Lecture
4th Colombian and Venezuelan Hepatology Congress
Colombian and Venezuelan Association for the Study of Liver Disease
Caracas, Venezuela.
- 2006 Indications of Liver Transplantation / Invited Lecture
4th Colombian and Venezuelan Hepatology Congress
Colombian and Venezuelan Association for the Study of Liver Disease
Caracas, Venezuela
- 2006 Hepatopulmonary Syndrome: Is medical therapy possible? / Invited Lecture
Postgraduate Course of the Insituto Nacional de Nutrición Salvador Zubiran
Mexico City, Mexico
- 2007 The management of ascites and renal dysfunction in cirrhosis / Invited Lecture
State of the Art Lecture, Cursus Klinische Hepatologie
Nederlandse Vereniging voor Hepatologie, Utrecht, Netherlands
- 2007 Current management of ascites and hyponatremia/ Invited Lecture
Colombian Association of Gastroenterology Meeting, Bogota, Colombia
- 2007 Endoscopic and medical management of acute variceal bleeding in cirrhosis
Invited Lecture
Colombian Association of Gastroenterology Meeting, Bogotá, Colombia
- 2007 Diagnosis, prevention and treatment of Hepatorenal Syndrome: Consensus of the International Ascites Club / Invited Lecture
Clinical Symposium on Management of Hepatorenal Syndrome
Ferring Pharmaceuticals, Shanghai, China
- 2007 Diagnosis, prevention and treatment of Hepatorenal Syndrome: Consensus of the International Ascites Club / Invited Lecture
Clinical Symposium on Management of Hepatorenal Syndrome
Ferring Pharmaceuticals, Guangzhou, China

- 2007 Is renal function one of the essential factors determining the outcomes of liver transplantation? / Invited Lecture
Hepatorenal Syndrome Symposium
Gastroenterology Society Taiwan (GEST) Congress, Taipei, Taiwan
- 2007 Spontaneous bacterial peritonitis, a disease of the gut? Therapeutic implications
Invited Speaker, Falk Symposium 162
II Falk- Gastro-Conference (part III)
Liver cirrhosis: From pathophysiology to disease management/ Dresden, Germany
- 2007 Pharmacological Therapy of Ascites / Invited Lecture
European Association for the Study of Liver Disease (EASL) School of Hepatology,
Barcelona, Spain
- 2008 Diagnostic approach to renal failure in cirrhosis /Invited Lecture
Single Topic Conference – Circulatory and renal failure in cirrhosis.
Mechanisms and emerging therapies
American Association for the Study of Liver Disease, Atlanta, GA
- 2008 Advanced ERCP: Hands-on Workshop / Invited Faculty
Boston International Live Endoscopy Course /Boston, MA
- 2008 Renal failure in cirrhosis: Diagnosis and Management/ Invited Lecture
State of the Art Lecture/ Gastrohepatology Department
Universidad de Antioquia, Medellín, Colombia
- 2009 Hepatorenal Syndrome/ Invited Lecture
29th International Symposium on Intensive Care and Emergency Medicine, Brussels,
Belgium
- 2009 Acute Variceal Bleeding / Invited Lecture
29th International Symposium on Intensive Care and Emergency Medicine, Brussels,
Belgium
- 2009 When to give albumin in liver failure/ Invited Lecture
29th International Symposium on Intensive Care and Emergency Medicine, Brussels,
Belgium
- 2009 Advanced ERCP: Hands-on Workshop/ Invited Faculty
Boston International Live Endoscopy Course Faculty, Boston, MA
- 2009 Gastric varices; Glue, Thrombin or TIPS/ Invited Lecture
Endoscopy and Liver Disease
American Society of Gastrointestinal Endoscopy and American Association for the Study
of Liver Disease (ASGE-AASLD) PG Course, Boston, MA
- 2009 Prevention and Management of Esophageal Variceal Hemorrhage/ Invited Lecture
Meet-the Professor Luncheon/ AASLD Post-Graduate Course, Boston, MA
- 2010 New endoscopic approaches in Hepatobiliary diseases/ Invited Lecture
Invited Course Faculty for EASL e-series of lectures, Vienna, Austria
- 2010 Athens Live Endoscopy Course/ Invited Faculty
Invited Course Faculty, Athens, Greece

- 2010 Advanced ERCP: Hands-on Workshop/ Invited Faculty
Boston International Live Endoscopy Course Faculty, Boston, MA
- 2010 Endoscopic Therapy for Gastric Varices / Invited Faculty
EASL School of Hepatology, Endoscopy and Liver Disease, Barcelona, Spain
- 2010 Endoscopic Therapy of Acute Variceal Bleeding/ Invited Faculty
EASL School of Hepatology, Endoscopy and Liver Disease, Barcelona, Spain
- 2010 Sphincterotomy Techniques: Fellows Course/ Invited Lecture
Boston International Live Endoscopy Course Faculty, Boston, MA
- 2010 Portal Hypertension, Endoscopy and Beyond/ Invited Lecture
Boston International Live Endoscopy Course Faculty, Boston, MA
- 2010 New diagnostic approaches to biliary stenosis/ Invited Faculty
2nd International Conference of Advances in Surgery, Barcelona, Spain
- 2011 New diagnostic approaches to biliary stenosis / Invited Lecture- Grand Rounds
Hospital Clinic, University of Barcelona
- 2012 Benign Biliary Strictures / Invited Lecture- GI Grand Rounds
Hospital Clinic, University of Barcelona
- 2012 Management of Ascites and Spontaneous Bacterial Peritonitis/ Invited Lecture
Early Morning Workshop
47th Annual Meeting of the European Association for the Study of Liver Disease
Barcelona, Spain
- 2012 Management of Hyponatremia in Cirrhosis/ Invited Lecture
V Hepatology Colombo Venezolano Congress
XXXIII Congreso Venezolano de Gastroenterología, Valencia, Venezuela
- 2012 Management of Gastric Varices in Cirrhosis/ Invited Lecture
V Hepatology Colombo Venezolano Congress
XXXIII Congreso Venezolano de Gastroenterología, Valencia, Venezuela
- 2012 Endoscopic therapy of gastric varices/ Invited Lecture
Gastroenterology Grand Rounds
Universidad de Antioquia School of Medicine, Medellin, Colombia
- 2012 Hyponatremia in cirrhosis/ Invited Lecture
Internal Medicine Grand Rounds, Hospital Pablo Tobon Uribe, Medellin, Colombia
- 2012 Biliary complications after liver transplantation/ Invited Lecture
Liver Transplant Grand Rounds, Hospital Pablo Tobon Uribe, Medellin, Colombia
- 2012 Advanced ERCP: Hands-on Workshop and Moderator of BILEC / Invited Lecture
Boston International Live Endoscopy Course Faculty, Boston MA
- 2012 Treatment of Portal Gastropathy and GAVE / Invited Lecture
Common Endoscopic Challenges in Patients with Advanced Liver Disease
American Society of Gastrointestinal Endoscopy and American Association for the Study
of Liver Disease (ASGE-AASLD) PG Course, Boston, MA

- 2012 Management of Biliary Complications after Liver Transplantation / Invited Lecture
6th International Wider-NOTES Meeting, Barcelona, Spain
- 2012 Hyponatremia and hepatorenal syndrome in cirrhosis/ Visiting Lecturer
Abteilung Innere Medizin II - Grand Rounds, Universitätsklinikum Freiburg
Freiburg, Germany
- 2013 Endoscopy and liver disease/ Early Morning Workshop - Invited Speaker
48th Annual Meeting of the European Association for the Study of Liver Disease
Amsterdam
- 2013 Acute Variceal Bleeding: Emphasis on Endoscopic Therapy
Invited Visiting Professor / Grand Rounds.
Baylor Annette C. and Harold C. Simmons Transplant Institute,
Baylor University Medical Center, Dallas, TX
- 2013 Hyponatremia in cirrhosis- Invited Professor
Professor Rounds/ Department of Medicine
Beth Israel Deaconess Medical Center, Boston, MA
- 2013 Variceal Bleeding: Endoscopy and Beyond
Invited Visiting Professor / GI Grand Rounds
Division of Gastroenterology, Hepatology and Nutrition
University of Virginia Commonwealth University, Richmond, Virginia
- 2013 Endoscopic therapy of achalasia- Invited Lecture
7th EuroNotes Workshop 19-20/09/2013
Barcelona, Spain
- 2014 Indeterminate stricture of the distal common bile duct
Boston Award- Best Cholangioscopy Video in Spain- Sponsored by Spanish Association
of Gastrointestinal Endoscopy and Boston Scientific Corporation-
Madrid, Spain. May 29, 2014
- 2014 Hyponatremia and Cirrhosis/ Invited Lecture
Internal Medicine Grand Rounds, Hospital Pablo Tobon Uribe,
Medellin, Colombia
- 2014 Treatment strategies for acute variceal bleeding / Invited Speaker
Post-Graduate Course – Clinical and Basic Concepts in Modern Hepatology
XXIII Congress of the Latin-American Association for the Study of the Liver (ALEH)
Cancun, Mexico
- 2014 Endoscopic therapy of Acute Variceal Bleeding / Invited Lecture
I Curso- Hepatología sobre el tratamiento del paciente cirrótico crítico
Hospital Clinic, Barcelona, Spain
- 2014 New Antiviral Agents for Hepatitis C and update in Liver Transplantation
Invited Lecture
Best of DDW- Advances in Gastroenterology
American Gastroenterological Association & Saudi Gastroenterology Association
Jeddah, Saudi Arabia
- 2014 Complications of End-Stage Liver Disease, NASH and recent advances in Hepatocellular
Carcinoma- Invited Lecture

- Best of DDW- Advances in Gastroenterology
American Gastroenterological Association & Saudi Gastroenterology Association
Jeddah, Saudi Arabia
- 2014 New Antiviral Agents for Hepatitis C and update in Liver Transplantation
Invited Lecture
13th Saudi Gastroenterology Association Meeting-
American Gastroenterological Association & Saudi Gastroenterology Association
Al-Khobar, Saudi Arabia
- 2014 Complications of End-Stage Liver Disease, NASH and recent advances in Hepatocellular
Carcinoma / Invited Lecture
13th Saudi Gastroenterology Association Meeting-
American Gastroenterological Association & Saudi Gastroenterology Association
Al-Khobar, Saudi Arabia
- 2015 Interventions in Portal Hypertension / Invited Faculty
Early Morning Workshop
EASL – International Liver Congress
Vienna, Austria
- 2015 Non-Invasive Diagnosis of Portal Hypertension / Invited Lecture
Best of EASL Symposium 2015
36th course of Advances in Gastroenterology
Chilean Gastroenterology Society
Santiago de Chile
- 2015 Endoscopic Management of Acute Variceal Bleeding / Invited Lecture
Emergencies in Gastroenterology Symposium
36th course of Advances in Gastroenterology
Chilean Gastroenterology Society
Santiago de Chile
- 2015 Renal failure in Cirrhosis / Invited Lecture
Emergencies in Gastroenterology - Symposium
36th course of Advances in Gastroenterology
Chilean Gastroenterology Society
Santiago de Chile
- 2015 Endoscopic therapy of Acute Variceal Bleeding / Invited Lecture
Management of Critically Ill Cirrhotic Patients
EASL School of Hepatology
Barcelona, Spain
- 2015 Pathophysiology of Portal Hypertension in Cirrhosis / Invited Lecture
Transplant Institute Research Meeting
Beth Israel Deaconess Medical Center and Harvard Medical School
Boston, MA
- 2016 Endoscopic Interventions in Liver Transplant Recipients / Invited Faculty
LeberTransplantationskurs 2016
Osterreichische Gesellschaft fur Gastroenterologie und Hepatologie
Arbeitsgruppe Hepatologie
Innsbruck, Austria

- 2016 Endoscopic Therapy of PSC. In whom, when and how? / Invited Faculty
41 Annual Meeting of AEEH (Asociación Española del Estudio del Hígado)
Madrid, Spain
- 2016 4th Endoscopy Workshop / Invited Faculty
Servicio De Gastreenterologia e Hepatologia
Hospital Da Santa Maria
Lisbon, Portugal
- 2016 Evaluation of Interventions in Liver Disease / Invited Faculty
Early Morning Workshop
EASL – International Liver Congress
Vienna, Austria
- 2016 Translating our current understanding of ascites management into new therapies for
patients with cirrhosis and fluid retention / Invited Faculty
Falk Symposium 204
Clinical Hepatology Practice in 2016: From Science to Therapy
September 2-3, 2016
Birmingham, Great Britain
- 2016 Management of Portal Gastropathy and GAVE / Invited Speaker
XXIV Congress of the Latin-American Association for the Study of the Liver (ALEH)
Santiago de Chile
- 2016 How to Write a Manuscript / Invited Speaker
ALEH – AASLD Research Workshop
XXIV Congress of the Latin-American Association for the Study of the Liver (ALEH)
Santiago de Chile
- 2016 How to Present in Public / Invited Speaker
ALEH – AASLD Research Workshop
XXIV Congress of the Latin-American Association for the Study of the Liver (ALEH)
Santiago de Chile
- 2016 Two stage approach: ERCP and cholecystectomy for Common Duct Stones
Invited Speaker: Pro- Con Debate
XXIII Jornada de Cirugía als Hospitals de Catalunya
Granollers, Catalunya
- 2016 Hyponatremia In Cirrhosis: Causes and Consequences / Invited Speaker
Symposium: Complications of liver cirrhosis: Beyond bleeding and ascites
UEG Week Vienna 2016
Vienna, Austria
- 2016 Steroids for acute alcoholic hepatitis: Cure or curse?
Round Table Discussion: M. Thursz, A. Cardenas, H. Cortez-Pinto, G. Pár
UEG Week Vienna 2016
Vienna, Austria
- 2016 Endoscopic therapy of Acute Variceal Bleeding / Invited Lecture
II Curso- Hepatologia sobre el tratamiento del paciente cirrótico critico
Hospital Clinic, Barcelona, Spain
- 2017 Perspectives in the management of renal failure in cirrhosis / Invited Speaker

IX Congress of the Colombian Association of Hepatology
Medellin, Colombia

- 2017 Interventions in Portal Hypertension / Invited faculty
Early Morning Workshop
EASL – International Liver Congress
Amsterdam
- 2017 Adverse Events and the development of Acute on Chronic Liver Failure in patients with cirrhosis undergoing Endoscopic Retrograde Cholangiopancreatography: A retrospective, multicenter, case-control study.
DDW- Oral Presentation,
Parallel Session: Portal Hypertension and complications of cirrhosis.
May 7, 2017
- 2017 Endoscopic Therapy for Variceal Bleeding: Bands, Stents and Glue / Invited Lecture
AASLD / DDW Clinical Symposium: Medical and Surgical Treatments of Portal Hypertension. May 9, 2017
- 2017 The Role ERCP in Patients with PSC / Invited Faculty
XVI Course of Advances in Hepatology
University of Malaga, Spain
- 2017 Acute on chronic liver failure: Impact of renal failure / Invited Speaker
XIX Congress of the Argentinian Association of Hepatology. June 28&29 2017
Buenos Aires, Argentina
- 2017 Primary Sclerosing Cholangitis: clinical and endoscopic management / Invited Speaker
XIX Congress of the Argentinian Association of Hepatology. June 28&29 2017
Buenos Aires, Argentina
- 2017 Refractory variceal bleeding in cirrhosis / Invited Speaker
XIX Congress of the Argentinian Association of Hepatology. June 28&29 2017
Buenos Aires, Argentina
- 2017 Acute Variceal Bleeding
Fellows Conference
Department of Medicine & Division of Gastroenterology
Beth Israel Deaconess Medical Center, Boston, MA
October 18, 2017
- 2017 Screening and Surveillance for Esophageal Varices: What's New in the Guidelines?
ASGE/AASLD Postgraduate Course-
Endoscopy and Advanced Liver Disease: Overcoming the Challenge.
Walter E. Washington Convention Center, Washington, DC, USA
Friday, October 20, 2017
- 2017 Management of Acute Variceal Bleeding
Hepatology - Grand Rounds
Department of Medicine & Division of Gastroenterology
University of Pennsylvania, Philadelphia, PA
October 30, 2017
- 2017 Acute Kidney Injury and Hepatorenal Syndrome in Cirrhosis
Fellows Conference

Department of Medicine & Division of Gastroenterology
Beth Israel Deaconess Medical Center, Boston, MA
November 1, 2017

- 2017 Portal Hypertension: The New and the Notable
2nd South Beach GI Congress 2017
University of Miami, Miami, Florida
November 4, 2017
- 2017 Acute Variceal Bleeding: Endoscopy and Beyond
GI Grand Rounds
Department of Medicine & Division of Gastroenterology
Columbia University, New York
November 8, 2017
- 2017 Primary Sclerosing Cholangitis
Congreso de las Asociaciones Colombianas del Aparato Digestivo – ACADI
Bogota, Colombia
November 16, 2017
- 2017 Endoscopic therapy of Acute Variceal Bleeding / Invited Lecture
III Curso- Hepatología sobre el tratamiento del paciente cirrótico crítico
Hospital Clinic, Barcelona, Spain
December 14, 2017
- 2018 Videoforum Case / Biliary Disease
XXVII Congress – Sociedad Catalana de Digestología
Girona, Spain
January 25, 2018
- 2018 Skills in Hepatology/ Invited faculty
Endoscopic approaches for refractory variceal bleeding.
EASL – International Liver Congress
Paris, April 11, 2018
- 2018 Breakfast rounds/ Invited faculty.
Complications of cirrhosis.
EASL – International Liver Congress
Paris, April 13, 2018
- 2018 Skills in Hepatology/ Invited faculty
Endoscopy Workshop.
EASL – International Liver Congress
Paris, April 13, 2018
- 2018 Endoscopic Management of Varices / Invited Lecture
DDW Clinical Symposium: Complications of Cirrhosis and Portal Hypertension.
June 3, 2018
- 2018 Acute Kidney Injury and Hepatorenal Syndrome in Cirrhosis
Invited Visiting Professor
Division of Gastroenterology and Hepatology
Fundación Santafé de Bogotá and University of Los Andes, Bogotá Colombia
August 13, 2018

- 2018 Management of Ascites in Patients with Cirrhosis
Invited Visiting Professor
Division of Gastroenterology and Hepatology
Fundación Santafé de Bogotá and University of Los Andes, Bogotá Colombia
August 14, 2018
- 2018 Biliary Complications after Liver Transplantation
Invited Visiting Professor
Division of Gastroenterology and Hepatology
Fundación Santafé de Bogotá and University of Los Andes, Bogotá Colombia
August 15, 2018
- 2018 How to publish in Medical Journals
Invited Visiting Professor
Division of Gastroenterology and Hepatology
Fundación Santafé de Bogotá and University of Los Andes, Bogotá Colombia
August 16, 2018
- 2018 Management of Gastrointestinal Bleeding due to Portal Hypertension in patients with Cirrhosis
Invited Speaker – Postgraduate Course
XXV Congress of the Latin-American Association for the Study of the Liver (ALEH)
Punta Cana, Dominican Republic
September 20, 2018
- 2018 Endoscopic Therapy of Biliary Complications after Liver Transplantation.
Invited Speaker – ASGE-ALEH Symposium
XXV Congress of the Latin-American Association for the Study of the Liver (ALEH)
Punta Cana, Dominican Republic
September 21, 2018
- 2018 Presentation Skills / Invited Speaker
II ALEH – AASLD Research Workshop
XXV Congress of the Latin-American Association for the Study of the Liver (ALEH)
Punta Cana, Dominican Republic
September 22, 2018
- 2018 Massive GI Bleeding in a Patient with Cirrhosis: What's New/ Invited Speaker
AASLD Postgraduate Course
The Liver Meeting 2018 - AASLD
San Francisco, United States
November 9, 2018
- 2018 New Insights in Hepatorenal Syndrome: Update for the Liver Specialist
CME Live Satellite Symposium- Medscape Education
San Francisco, United States
November 10, 2018

- 2018 Ectopic and Gastric Varices/ Invited Speaker
AASLD Early Morning Workshop
The Liver Meeting 2018- AASLD
San Francisco, United States
November 11, 2018
- 2019 Endoscopic Management of Primary Sclerosing Cholangitis/ Invited Speaker
X International Congress of the Colombian Association of Hepatology
Bogotá, Colombia
March 8, 2019
- 2019 Acute Kidney Injury in Cirrhosis/ Invited Speaker
X International Congress of the Colombian Association of Hepatology
Bogotá, Colombia
March 9, 2019
- 2019 Skills in Hepatology/ Invited faculty
Endoscopy Workshop
EASL – International Liver Congress
Paris, April 11&12, 2019
- 2019- Gastrointestinal bleeding in patients with cirrhosis / Invited Faculty
XVIII Course of Advances in Hepatology
University of Malaga, Spain
Malaga May 24, 2019
- 2019 Current state and use of single operator cholangioscopy
Sociedad Catalana de Digestología
Barcelona, Spain
June 13, 2019
- 2019 Noninvasive methods for monitoring portal hypertension
Curso Bianual de Hepatología y Trasplante Hepático
Instituto Nacional de Ciencias Médicas y Nutrición “Salvador Zubirán”
Mexico City, October 3, 2019
- 2019 ERCP in cirrhosis: Higher risk of ACLF
Curso Bianual de Hepatología y Trasplante Hepático
Instituto Nacional de Ciencias Médicas y Nutrición “Salvador Zubirán”
Mexico City, October 3, 2019
- 2019 The management of Esophageal Variceal Hemorrhage: Band Ligation and Beyond
ASGE/AASLD Postgraduate Course
The Liver Meeting 2019 - AASLD
New Endoscopic Frontiers in Liver Disease
John B Hynes Convention Center, Boston, MA, USA
Friday, October 8, 2019
- 2019 Endoscopic therapy of Acute Variceal Bleeding / Invited Lecture
IV Curso- Hepatología sobre el tratamiento del paciente cirrótico critico
Hospital Clinic, Barcelona, Spain
December 17, 2019

- 2020 "Endoscopic and histological characterization of biliary anastomosis strictures in liver transplant recipients"
XX Congress of Sociedad Catalana de Digestología
Lerida, Spain
January 26, 2020
- 2020 "Assessment of bleeding risk and attitude towards an invasive test in patients with cirrhosis"
Postgraduate Course - AEEH
45th Congress of The Spanish Association for the Study of the Liver (AEEH)
Madrid, February 12, 2020
- 2020 "Alternatives to platelet transfusion for the management of thrombocytopenia in patients with chronic liver disease before an intervention"
45th Congress of the Spanish Association for the Study of the Liver (AEEH)
CME Live Satellite Symposium- Shionogi Education
Madrid, Spain
February 13, 2020
- 2020 Treatment of Acute Variceal Bleeding / Invited Lecture
Webinar - Hepatología sobre el tratamiento del paciente cirrótico crítico
Facultad de Ciencias Médicas Rosario, Argentina
August 26, 2020
- 2020 A multicenter analysis of the role of prophylactic transfusion of blood products in patients with cirrhosis and esophageal varices undergoing endoscopic band ligation.
EASL DIGITAL-ILC - Oral Presentation, Parallel Session: Portal Hypertension
August 28, 2020
- 2020 Treatment of Bleeding due to Portal Hypertension / Invited Lecture
Webinar – Projeto Endoscopia Sul Brazil
Universidade do Sul de Santa Catarina – UNISUL, Florianopolis, Brazil
September 2, 2020
- 2020 Complications of Cirrhosis –Take Aways Digital ILC 2020- Session
Webinar EASL DIGITAL-ILC 2020
September 10, 2020
- 2020 Invasive procedures in patients with cirrhosis and abnormal coagulation.
Invited Faculty
XIX Course of Advances in Hepatology
University of Malaga, Spain
Malaga, October 9, 2020
- 2020 The Role of TIPS in Cirrhosis – Invited Faculty
Best of Postgraduate Teaching from UEG Week - Virtual
November 27-28, 2020
- 2021 Challenges in translational research of biliary strictures after liver transplantation
VI Basic Science Course
XXX Catalan society of gastroenterology Congress
January 28, 2021
- 2021 Bleeding risk and approach to invasive procedures in patients with cirrhosis

- Webinar – Changing the rules: Management of patients with chronic liver disease and severe thrombocytopenia.
Sobi Pharmaceuticals (www.sobilearn.com)
January 26, 2021
- 2021 Biliary complications after liver transplantation
XI Colombian Association of Hepatology
March 21 ,2021
- 2021 Non-variceal upper gastrointestinal hemorrhage: What guidelines don't talk about
European Society of Gastrointestinal Endoscopy - ESGE Days 20201
March 25, 2021
- 2021 AGA Postgraduate Course/ Invited Faculty
Patients with advanced cirrhosis should receive blood products to correct coagulation abnormalities before invasive procedures.
May 1, 2021
- 2021 Biliary complications after liver transplantation
Invited Visiting Professor / Transplant Grand Rounds.
Baylor Annette C. and Harold C. Simmons Transplant Institute,
Baylor University Medical Center, Dallas, TX
May 6, 2021
- 2021 Abnormal coagulation in cirrhosis. When should we treat?
Invited Faculty
XX Course of Advances in Hepatology
University of Malaga, Spain
Malaga, May 21, 2021
- 2021 Management of Complex Variceal Bleeding – An Update
Singapore Hepatology Congress 2021 Online Conference
June 2, 2021
- 2021 Approach to invasive procedures in patients with cirrhosis
Chronic liver disease and optimization of transfusion medicine
Catalan Society of Gastroenterology 2021 Online Conference
June 9, 2021
- 2021 Updated Management of Biliary Strictures after Liver Transplantation
EASL-ESGE session: “Biliary strictures and what the hepatologist needs to know”
EASL DIGITAL-ILC 2021
June 26, 2021
- 2021 Stent and balloon tamponade in variceal Bleeding – An Update
International Hepatology Course - Rolando Figueroa Barrios. 2nd Virtual Edition
Peruvian Association of Hepatology.
July 2, 2021
- 2021 What is new in the Management of Acute Variceal Bleeding / Invited Lecture
Annual course of Advances in Gastroenterology
Chilean Gastroenterology Society
Santiago de Chile
July 9, 2021

- 2021 Where Are We Moving into Prevention and Treatment of Portal Hypertension?
2021 International Association for the Study of Liver Disease (IASL) Annual Conference.
Liver Disease in the 21st Century: A Global Perspective
July 16-17, 2021
- 2021 Complications of Cirrhosis –Take Aways. ILC 2021- Session.
Webinar EASL DIGITAL-ILC 2021. EASL Campus
September 3, 2021
- 2021 Acute Variceal Bleeding
Endoscopic Management and Gastric Varices
Baveno VII Consensus Workshop
October 29, 2021
- 2021 2021 Academic Debates- Expert Panelist
The Liver Meeting Digital Experience
AASLD 2021
November 12, 2021
- 2021 Noninfectious Triggers of ACLF
Meet the expert 57
The Liver Meeting Digital Experience
AASLD 2021
November 14th, 2021
- 2021 Update in the pharmacologic & endoscopic management of Portal Hypertension
Progress, pitfalls and challenges in the management of Portal Hypertension
EASL School of Hepatology
Barcelona, November 19, 2021
- 2021 The role of Endoscopy in Primary Sclerosing Cholangitis and early detection of
cholangiocarcinoma.
(El papel de la endoscopia en la CEP y en el diagnóstico precoz del colangiocarcinoma).
Enfermedades Colestasicas e Immunomediadas
AEEH Jornadas de Otoño
Malaga, December 10, 2021
- 2022 Endoscopic and Rescue Therapy of Acute Variceal Bleeding / Invited Lecture
Curso / Tratamiento del paciente hepático crítico
Hospital Clinic, Barcelona, Spain
Barcelona, May 19, 2022
- 2022 Case Presentation: The future of clinical hepatology: Innovations in radiology,
International Liver Conference - Postgraduate Course (PGC)
EASL International Liver Congress™
London, June 22, 2022
- 2022 Update of Baveno VII / Invited Lecture.
*ILCA & EASL - Joint Symposium: Screening for esophagogastric varices before systemic
therapy for advanced liver cancer: Is endoscopy necessary in all patients?*
International Liver Cancer Association (ILCA) - Annual Conference
Madrid, September 3, 2022

- 2022 Management of gastric varices/ Invited Lecture.
(Manejo de Varices Gastricas).
Portal Hypertension Consensus
Spanish Association for the Study of Liver Disease (AEEH)
Jornadas de Otoño
Bilbao, Spain. October 21, 2022
- 2022 Management of precipitants of acute-on-chronic liver failure
Meet The Expert
The Liver Meeting – AASLD 2022
Washington DC, November 5, 2022
- 2022 Curso Monotemático de Cirrosis Hepática: Nuevos Paradigmas
Tratamiento de varices gástricas: Manejo Actual
Asociación Peruana de Hepatología, 2022
Virtual Meeting
Lima, Peru, November 19, 2022
- 2022 Coagulopathy and anticoagulation in chronic liver disease.
Prediction and prevention of bleeding episodes in the setting of invasive procedures.
Practice in Spain and Europe / Invited Faculty
Hot Topics in Hepatology
AbbVie, Spain
Barcelona, November 23, 2022
- 2022 Management of gastric varices/ Invited Lecture.
Session - Cirrhosis and Portal Hypertension
The 2022 Huaxi of SCU-Oxford Forum on Digestive Disease
Virtual Meeting
Chengdu, China, December 9, 2022
- 2023 Biliary strictures after liver transplantation / Invited lecture.
ESGE- EASL Joint Session: Challenges in ERCP for patients with liver disease
ESGE Days 2023, Dublin, April 21, 2023
- 2023 Terlipressin and Albumin in Hepatorenal Syndrome. Risk / Benefit Ratio
Invited Faculty
XXII Course of Advances in Hepatology
University of Malaga, Spain
Malaga, Spain. May 19, 2022
- 2023 Management of refractory bleeding: Balloon, stent and TIPS.
Invited Faculty
Recommendations for TIPS: indications and modalities
AFEF - Association Française pour l'Étude du Foie.
June 1, 2023, Toulouse, France
- 2023 Skills Learning Center: Variceal Bleeding
Chair / Invited faculty
EASL – International Liver Congress 2023
Vienna, Austria, June 22-24, 2023
- 2023 Conundrums in hepatorenal syndrome: Can you manage this patient?
Chair / Invited lecture

Medscape Educational Symposium
EASL –Liver Congress 2023
Vienna, Austria, June 23, 2023

- 2023 Tips for endoscopy in patients with cirrhosis / Invited lecture
GI Liver Endoscopy Live
Fundación Cardioinfantil Bogotá
Bogotá, July 7, 2023
- 2023 How deliver an effective presentation / Invited Lecture
AASLD-ALEH Young investigator Workshop
ALEH XXVII International Congress
Bogota, August 30, 2023
- 2023 Diagnosis and management of biliary strictures in Primary Sclerosing Cholangitis
Invited Lecture
ALEH XXVII International Congress
Bogota, August 30, 2023
- 2023 Controversies in the management of hepatorenal syndrome
Invited Lecture
ALEH XXVII International Congress
Bogota, August 30, 2023
- 2023 Management of hepatorenal syndrome
Invited Lecture
6th International United Conference of Hepatogastroenterology and Infectious Diseases
Cairo, Egypt, September 28, 2023
- 2023 Pre-transplant optimization in patients with ACLF
Invited Lecture
6th International United Conference of Hepatogastroenterology and Infectious Diseases
Cairo, Egypt, September 30, 2023