

Curriculum Vitae
Miguel Saps, M.D.

PERSONAL INFORMATION

Place of birth: Montevideo, Uruguay
Citizenship: Uruguay
Language fluency: English, Spanish, Portuguese, Hebrew, French
(Last three basic conversational)

EDUCATION

1978-1985 Medical School
Facultad de Medicina, Universidad de la República
Montevideo, Uruguay

POSTGRADUATE MEDICAL EDUCATION

1986-1991 Doctor in Pediatrics
Hospital Pereyra-Rossell, Facultad de Medicina
Montevideo, Uruguay
1993-1994 Resident, Pediatric Gastroenterology and Hepatology
Hospital Ramón y Cajal, Hospital La Paz,
Madrid, Spain
1998-2000 Resident, Pediatrics
Maimonides Medical Center
Brooklyn, NY, USA
2001-2004 Fellowship, Pediatric Gastroenterology Hepatology, & Nutrition
Children's Hospital of Pittsburgh
Pittsburgh, PA, USA

BOARD CERTIFICATION and MEDICAL LICENSURE

Medical Licenses: Uruguay, Issued: 1986
Spain, Issued: 1991
Illinois, USA, Issued: 2004
Ohio, USA, Issued: 2015
Florida, USA Issued: 2017

USMLE: (Step 1, 2, & 3), Issued: 1997-1998

American Board of Pediatrics:

General Pediatrics, Issued: 2001
Pediatric Gastroenterology, Hepatology, & Nutrition,
Issued: 2005 and 2015

FACULTY APPOINTMENTS

2017- Present Professor of Clinical Pediatrics
University of Miami

2015-2017 Professor of Clinical Pediatrics
Ohio State University, College of Medicine

2012-2015 Associate Professor of Pediatrics
Northwestern University, Feinberg School of Medicine
Chicago, IL, USA

2004-2012 Assistant Professor of Pediatrics
Northwestern University, Feinberg School of Medicine
Chicago, IL, USA

HOSPITAL APPOINTMENTS

2017-Present Attending Physician
Jackson Memorial Hospital
Miami, OH, USA

2015-2017 Attending Physician
Nationwide Children's Hospital
Columbus, OH, USA

2012-2015 Attending Physician
Ann & Robert H. Lurie Children's Hospital of Chicago
Chicago, IL, USA

2004-2012 Attending Physician
Children's Memorial Hospital
Chicago, IL, USA

ADMINISTRATIVE APPOINTMENTS

2017-Present Chief of Division Pediatric Gastroenterology, Hepatology and Nutrition
The George E. Batchelor Chair in Pediatrics
Director, Pediatric Neurogastroenterology and Motility Program

University of Miami, Miller School of Medicine
Miami, FL, USA

- 2015-2017 Director of the Research Center for the Investigation of Functional and Gastrointestinal Motility Disorders in Children
Nationwide Children's Hospital
Columbus, OH, USA
- 2012-2015 Director of Gastrointestinal Motility and Functional Bowel Disorders Program
Ann & Robert H. Lurie Children's Hospital of Chicago
Chicago, IL, USA
- 2006-2012 Director of Gastrointestinal Motility and Functional Bowel Disorders Program
Children's Memorial Hospital
Chicago, IL, USA

COMMITTEE SERVICE

- 1991-1998 National Committee for the Prevention of Child Abuse, Uruguay, Founder
1995-1996 Liver Transplant Committee, Montevideo Children's Hospital, Hospital Pereyra-Rossell (Uruguay), Founder
- 1996-1998 Nutrition Committee, Uruguayan Pediatric Society
2003-2005 Public Education Committee, NASPGHAN
2007-2010 Neurogastroenterology and Motility Committee, NASPGHAN
2009, 2011 Poster Award Selection Committee, American Neurogastroenterology and Motility Society-Functional Brain-Gut Research Group
- 2011-Present Digestive Health Alliance- Children's GI Research Network
2012 ANMS 7th Postgraduate Course on GI Motility and Neurogastroenterology in Clinical Practice-Planning Committee
- 2012- 2016 Rome IV Committee - Functional Gastrointestinal Disorders: Child/Adolescent, Committee Member
- 2012-Present Rome IV Foundation Subcommittee- Pediatric Clinical Outcomes, Chairman
2012-2013 International Committee, NASPGHAN, Chairman
2014-2018 American Neurogastroenterology and Motility Society (ANMS), Councilor
2014-2018 American Neurogastroenterology and Motility Society (ANMS), Vice Chair of Clinical Practice, Coding and Billing Committee
- 2015-2017 Scientific Advisory Board of the NASPGHAN Clinician Research Registry
2016-Present American Neurogastroenterology and Motility Society (ANMS) Longitudinal Evaluation of risk and protective factors for functional abdominal pain disorders. Co-Chair.
- 2017-2018 American Neurogastroenterology and Motility Society (ANMS) Curriculum Task Force. Co-Chair.
- 2018-Present International Foundation for Functional Gastrointestinal Disorders (IFFGD) International Ambassadors Program. Chairman.
- 2018-Present International Foundation for Functional Gastrointestinal Disorders (IFFGD). Advisory Board Member.

AWARDS, HONORS, DISTINCTIONS

1992	Government of Spain, Scholarship of the Ibero-American Cooperation Institute, ICI-P \$120,000
2000	Maimonides Medical Center, Research Award
2002	NASPGHAN, Fellow's Breakfast, Presentation: Pancreatic Ascites
2003	AstraZeneca Travel grant- International Foundation for Functional Gastrointestinal Disorders (IFFGD) Meeting, Milwaukee, WI
2004	World Congress of Pediatric Gastroenterology, Hepatology, & Nutrition, Young Investigator Award, "Inter-rater Reliability of the Rome Criteria in Children".
2004	Functional Brain Gut Research Group (FBG): Travel grant: Young Investigators Meeting, Scottsdale, AZ
2006	NASPGHAN: Academic Skills Workshop: Travel grant, New Orleans, LA, January 11-13
2008	American College of Gastroenterology Governors Award for Excellence in Clinical Research
2008	World Congress of Pediatric Gastroenterology, Hepatology & Nutrition, NASPGHAN Junior Faculty Travel Grant, August, 2008. Foz de Iguazu, Brazil.
2009	International Foundation for Functional Gastrointestinal Disorders - Junior Pediatric Investigator - Basic or Clinical Science Award
2011	Young Investigator Award, NASPGHAN (awarded to Dr. Ashish Chogle with Dr. Miguel Saps as senior author)
2011-2012	Best Doctors - Gastroenterology
2013-2014	Best Doctors - Gastroenterology
2015-2016	Best Doctors - Gastroenterology
2016-Present	Profesor Visitante Honorario, Universidad del Valle, Cali, Colombia.
2016-Present	Associate of Rome Foundation
2017-2018	Best Doctors – Gastroenterology
2017	George E. Batchelor Chair of Pediatrics
2018	Dr. Samuel A. and Josephine J. Sturniolo & The Pediatric Digestion and Motility Disorders Society- First Educational Memorial Lectureship in Pediatric Neurogastroenterology and Motility- Children's Hospital of Boston
2019-Present	1st World Congress of Pediatric Neurogastroenterology and Motility-Scientific Committee
2019-Present	Honorary Member- Sociedad Española de Gastroenterología, Hepatología y Nutrición Pediátrica (SEGHNP).
2019-2020	Best Doctors in America- Gastroenterology
2019-Present	International Member – Comité organizador del XXIII Congreso Latinoamericano de Gastroenterología, Hepatología y Nutrición Pediátrica (LASPGHAN).

ORAL PRESENTATIONS, AWARDS, HONORS AND DISTINCTIONS BY MENTEES

2010	Bonilla S, Wang D, Lu P, Saps M . Obesity: A new prognostic factor in the management of functional gastrointestinal disorders in children. New Orleans, LA. May 4th, 2010. (Oral Presentation)
2011	Bonilla S, Saps M . Prevalence of Abdominal Pain and Functional Gastrointestinal Disorders in Community Children. Digestive Diseases Week. Chicago, IL. May 7th-10th, 2011. (Oral Presentation)

- 2011 Mohammad S, Youssef NN, Miranda A, Nurko S, Hyman P, Cocjin J, Di Lorenzo C, **Saps, M.** Assessment of Abdominal Pain Through Global Outcomes and Recent FDA Recommendations in Children. Are we Ready For Change? NASPGHAN. Orlando, FL. October 20-21, 2011 (Poster of Distinction).
- 2011 Young Investigator Award, NASPGHAN (awarded to Dr. Ashish Chogle)
- 2012 Young Investigator Forum- Abstract Selected for Travel Grant 2012 American Neurogastroenterology and Motility Society- 7th Postgraduate Course on Gastrointestinal Motility & Neurogastroenterology in Clinical Practice (awarded to Dr. Hilary Smith)

PATENTS

1. **Saps M**, Chogle A. Tridimensional Stool Assessment Instrument. U.S. Patent Application 61527459, filed August 2011. Patent Pending.

PROFESSIONAL SOCIETY MEMBERSHIPS

- 1990-1992 Society for the Prevention of Child Abuse (ANIMA), Founder
- 1995-1998 Uruguayan Gastroenterology Society (SUG), Member
- 1995-1998 Uruguayan Endoscopic Society (SUE), Member
- 1996-Present Latin American Society of Nutrition (SLAN), Member
- 1998-2001 American Academy of Pediatrics, Member
- 2001-Present North American Society for Pediatric Gastroenterology, Hepatology, & Nutrition (NASPGHAN), Member
- 2002-Present American College of Gastroenterology, Member
- 2004-Present American Gastroenterological Association, Member
- 2004-Present International Foundation of Functional Gastrointestinal Disorders, Member
- 2004-Present American Neurogastroenterology and Motility Society (ANMS), Member
- 2014-Present Colegio Colombiano de Gastroenterología, Hepatología y Nutrición Pediátrica (COLGAHNP), Honorary Member
- 2019-Present Latin American Society of Pediatric Gastroenterology, Hepatology and Nutrition Member

SCHOLARLY BIBLIOGRAPHY

A. *Original, Peer Reviewed research articles*

1. **Saps M**, Slivka A, Khan S, Meza MP, Goyal A, Di Lorenzo C. Pancreatic ascites in an infant: lack of symptoms and normal amylase. *Dig Dis Sci.* 2003;48(9):1701-4. PMID: 14560986
2. **Saps M**, Di Lorenzo C. Interobserver and intraobserver reliability of the Rome II criteria in children. *Am J Gastroenterol.* 2005;100(9):2079-82. PMID: 16128955
3. **Saps M**, Li BU. From Babel to Rome: are we there yet? *J Pediatr Gastroenterol Nutr.* 2005;41(3):286-8. PMID: 16131980

4. **Saps M**, Sztainberg M, Di Lorenzo C. A prospective community-based study of gastroenterological symptoms in school-age children. *J Pediatr Gastroenterol Nutr.* 2006; 43(4):477-82. PMID: 17033522
5. **Saps M**, Bolioli P, Espana M, Marshall BM, Di Lorenzo C. Cost and consultation patterns of abdominal pain in Uruguayan children. *J Pediatr Gastroenterol Nutr.* 2008;46(2):159-63. PMID: 18223374
6. **Saps M**, Blank C, Khan S, Seshadri R, Marshall B, Bass L, Di Lorenzo C. Seasonal variation in the presentation of abdominal pain. *J Pediatr Gastroenterol Nutr.* 2008;46(3):279-84. PMID: 18376244
7. **Saps M**, Pensabene L, Di Martino L, Staiano A, Wechsler J, Zheng X, Di Lorenzo C. Post-infectious functional gastrointestinal disorders in children. *J Pediatr.* 2008;152(6):812-6, 816.e1. PMID: 18492522
8. **Saps M**, Seshadri R, Sztainberg M, Schaffer G, Marshall BM, Di Lorenzo C. A prospective school-based study of abdominal pain and other common somatic complaints in children. *J Pediatr.* 2009;154(3):322-6. PMID: 19038403
9. **Saps M**, Pensabene L, Turco R, Staiano A, Cupuro D, Di Lorenzo C. Rotavirus gastroenteritis: precursor of functional gastrointestinal disorders? *J Pediatr Gastroenterol Nutr.* 2009;49(5):580-3. PMID: 19633576
10. **Saps M**, Youssef N, Miranda A, Nurko S, Hyman P, Cocjin J, Di Lorenzo C. Multicenter, randomized, placebo-controlled trial of amitriptyline in children with functional gastrointestinal disorders. *Gastroenterology.* 2009;137(4):1261-9. PMID: 19596010
11. Nyame YA1, Ambrosy AP, **Saps M**, Adams PN, Dhroove GN, Suresh S. Recurrent headaches in children: an epidemiological survey of two middle schools in inner city Chicago. *Pain Pract.* 2010;10(3):214-21. PMID: 20070550
12. Dhroove G1, Chogle A, **Saps M**. A million-dollar work-up for abdominal pain: is it worth it? *J Pediatr Gastroenterol Nutr.* 2010;51(5):579-83. PMID: 20706149
13. Chogle A1, Dhroove G, Sztainberg M, Di Lorenzo C, **Saps M**. How reliable are the Rome III criteria for the assessment of functional gastrointestinal disorders in children? *Am J Gastroenterol.* 2010;105(12):2697-701. PMID: 20808296
14. **Saps M**, Lu P, Bonilla S. Cow's-milk allergy is a risk factor for the development of FGIDs in children. *J Pediatr Gastroenterol Nutr.* 2011;52(2):166-9. PMID: 20975580
15. Bonilla S1, Wang D, **Saps M**. Obesity predicts persistence of pain in children with functional gastrointestinal disorders. *Int J Obes (Lond).* 2011;35(4):517-21. PMID: 21079618
16. Bonilla S1, Deli Wang, **Saps M**. The prognostic value of obtaining a negative endoscopy in children with functional gastrointestinal disorders. *Clin Pediatr (Phila).* 2011;50(5):396-401. PMID: 21242200
17. **Saps M**, Dhroove G, Chogle A. Henoch-Schonlein purpura leads to functional gastrointestinal disorders. *Dig Dis Sci.* 2011;56(6):1789-93. PMID: 21132366
18. **Saps M**, Bonilla S. Early life events: infants with pyloric stenosis have a higher risk of developing chronic abdominal pain in childhood. *J Pediatr.* 2011;159(4):551-4.e1. PMID: 21513946

19. Chogle A, Sztainberg M, Bass L, Youssef NN, Miranda A, Nurko S, Hyman P, Cocjin J, Di Lorenzo C, **Saps M**. Accuracy of pain recall in children. *J Pediatr Gastroenterol Nutr.* 2012;55(3):288-91. PMID: 22314392
20. Lavigne JV1, **Saps M**, Bryant FB. Reexamining the Factor structure of somatization using the children's somatization inventory (CSI-24) in a community sample. *J Pediatr Psychol.* 2012;37(8):914-24. PMID: 22544952
21. **Saps M**, Adams P, Bonilla S, Chogle A, Nichols-Vinueza D. Parental report of abdominal pain and abdominal pain-related functional gastrointestinal disorders from a community survey. *J Pediatr Gastroenterol Nutr.* 2012;55(6):707-10. PMID: 22744191
22. **Saps M**, Adams P, Bonilla S, Nichols-Vinueza D. Abdominal pain and functional gastrointestinal disorders in children with celiac disease. *J Pediatr.* 2013;162(3):505-9. PMID: 23058293
23. **Saps M**, Hudgens S, Mody R, Lasch K, Harikrishnan V, Baum C. Seasonal patterns of abdominal pain consultations among adults and children. *J Pediatr Gastroenterol Nutr.* 2013;56(3):290-6. PMID: 23059641
24. Chogle A, **Saps M**. Gastroparesis in children: the benefit of conducting 4-hour scintigraphic gastric-emptying studies. *J Pediatr Gastroenterol Nutr.* 2013;56(4):439-42. PMID: 23111764
25. Rosen JM, Adams PN, **Saps M**. Umbilical hernia repair increases the rate of functional gastrointestinal disorders in children. *J Pediatr.* 2013;163(4):1065-8. PMID: 23759426
26. Chogle A, **Saps M**. Yield and cost of performing screening tests for constipation in children. *Can J Gastroenterol.* 2013;27(12):e35-8. PMID: 24228262
27. **Saps M**, Nichols-Vinueza D, Dhroove G, Adams P, Chogle A. Assessment of commonly used pediatric stool scales: a pilot study. *Rev Gastroenterol Mex.* 2013;78(3):151-8. PMID: 23948097
28. Mohammad S, Di Lorenzo C, Youssef NN, Miranda A, Nurko S, Hyman P, **Saps M**. Assessment of abdominal pain through global outcomes and recent FDA recommendations in children: are we ready for change? *J Pediatr Gastroenterol Nutr.* 2014;58(1):46-50. PMID: 23857339
29. Lavigne JV, **Saps M**, Bryant FB. Models of anxiety, depression, somatization, and coping as predictors of abdominal pain in a community sample of school-age children. *J Pediatr Psychol.* 2014;39(1):9-22. PMID: 23942993
30. Jericho H, Adams P, Zhang G, Rychlik K, **Saps M**. Nausea predicts delayed gastric emptying in children. *J Pediatr.* 2014;164(1):89-92. PMID: 24128650
31. Prevalence of functional gastrointestinal disorders in Colombian school children. **Saps M**, Nichols-Vinueza DX, Rosen JM, Velasco-Benítez CA. *J Pediatr.* 2014;164(3):542-5.e1. PMID: 24332822
32. Varni JW, Bendo CB, Denham J, Shulman RJ, Self MM, Neigut DA, Nurko S, Patel AS, Franciosi JP, **Saps M**, Verga B, Smith A, Yeckes A, Heinz N, Langseder A, Saeed S, Zacur GM, Pohl JF. PedsQL gastrointestinal symptoms module: feasibility, reliability, and validity. *J Pediatr Gastroenterol Nutr.* 2014;59(3):347-55. PMID: 24806837.

33. **Saps M**, Nichols-Vinueza DX, Mintjens S, Pusatcioglu CK, Velasco-Benítez CA. Construct validity of the pediatric Rome III criteria. *J Pediatr Gastroenterol Nutr.* 2014;59(5):577-81. PMID: 25003373
32. Chogle A, **Saps M**. Electrocardiograms changes in children with functional gastrointestinal disorders on low dose amitriptyline. *World J Gastroenterol.* 2014;20(32):11321-5. PMID: 25170217
33. **Saps M**, Rosen JM, Ecanow J. X-ray detection of ingested non-metallic foreign bodies. *World J Clin Pediatr.* 2014;3(2):14-8. PMID: 25254180
34. Urinary tract infection in infancy is a risk factor for chronic abdominal pain in childhood. Rosen JM, Kriegermeier A, Adams PN, Klumpp DJ, **Saps M**. *J Pediatr Gastroenterol Nutr.* 2015;60(2):214-6. PMID: 25625577
35. Varni JW, Franciosi JP, Shulman RJ, Saeed S, Nurko S, Neigut DA, Bendo CB, Patel AS, Self MM, **Saps M**, Zacur GM, Denham J, Dark CV, Pohl JF; PedsQL gastrointestinal symptoms scales and gastrointestinal worry scales in pediatric patients with inflammatory bowel disease in comparison with healthy controls. Pediatric Quality of Life Inventory Gastrointestinal Symptoms Module Testing Study Consortium. *Inflamm Bowel Dis.* 2015;21(5):1115-24. PMID: 25793327
36. Varni JW, Bendo CB, Shulman RJ, Self MM, Nurko S, Franciosi JP, **Saps M**, Saeed S, Zacur GM, Vaughan Dark C, Pohl JF. Interpretability of the PedsQL™ Gastrointestinal Symptoms Scales and Gastrointestinal Worry Scales in Pediatric Patients With Functional and Organic Gastrointestinal Diseases. Pediatric Quality of Life Inventory™ Gastrointestinal Symptoms Module Testing Study Consortium. *J Pediatr Psychol.* 2015;40(6):591-601. PMID: 25682210
37. Varni JW, Bendo CB, Nurko S, Shulman RJ, Self MM, Franciosi JP, **Saps M**, Pohl JF. Health-related quality of life in pediatric patients with functional and organic gastrointestinal diseases. Pediatric Quality of Life Inventory (PedsQL) Gastrointestinal Symptoms Module Testing Study Consortium. *J Pediatr.* 2015;166(1):85-90. PMID: 25241177
38. **Saps M**, Lavigne JV. Abdominal pain endpoints currently recommended by the FDA and EMA for adult patients with irritable bowel syndrome may not be reliable in children. *Neurogastroenterol Motil.* 2015;27(6):849-55. PMID: 25845918
39. Varni JW, Bendo CB, Denham J, Shulman RJ, Self MM, Neigut DA, Nurko S, Patel AS, Franciosi JP, **Saps M**, Yeckes A, Langseder A, Saeed S, Pohl JF. PedsQL™ Gastrointestinal Symptoms Scales and Gastrointestinal Worry Scales in pediatric patients with functional and organic gastrointestinal diseases in comparison to healthy controls. *Qual Life Res.* 2015;24(2):363-78. PMID: 25148757
40. Varni JW, Nurko S, Shulman RJ, Self MM, **Saps M**, Bendo CB, Vaughan Dark C, Pohl JF. Pediatric Functional Constipation Gastrointestinal Symptom Profile Compared With Healthy Controls. Pediatric Quality of Life Inventory Gastrointestinal Symptoms Module Testing Study Consortium. *J Pediatr Gastroenterol Nutr.* 2015;61(4):424-30. PMID: 26020373
41. Varni JW, Shulman RJ, Self MM, Nurko S, **Saps M**, Saeed SA, Bendo CB, Patel AS, Dark CV, Zacur GM, Pohl JF. Symptom Profiles in Patients With Irritable Bowel Syndrome or Functional Abdominal Pain Compared With Healthy Controls. Pediatric Quality of Life Inventory Gastrointestinal Symptoms Module Testing Study Consortium. *J Pediatr Gastroenterol Nutr.* 2015;61(3):323-9. PMID: 26020482

42. Prevalence of functional gastrointestinal disorders in school-aged children in El Salvador. Zablah R, Velasco-Benítez CA, Merlos I, Bonilla S, **Saps M**. *Rev Gastroenterol Mex*. 2015;80(3):186-91. PMID: 26297182
43. **Saps M**, Velasco-Benítez C, Kovacic K, Chelimsky G, Kovacic K, Játiva Mariño E, Chanís R, Zablah R. High Prevalence of Nausea among School Children in Latin America. *J Pediatr*. 2016;169:98-104.e1. PMID: 26670052
44. Játiva E, Velasco-Benítez CA, Koppen IJ, Játiva-Cabezas Z, **Saps M**. Prevalence of Functional Gastrointestinal Disorders in Schoolchildren in Ecuador. *J Pediatr Gastroenterol Nutr*. 2016;63(1):25-8. PMID: 26771768
45. Lu PL, **Saps M**, Chanis RA, Velasco-Benítez CA. The prevalence of functional gastrointestinal disorders in children in Panama: a school-based study. *Acta Paediatr*. 2016;105(5):e232-6. PMID: 26933798
46. Scheich AM, Patel SR, **Saps M**. Self-induced Intra-gastric Reflux. *J Pediatr Gastroenterol Nutr*. 2016;62(6):e61. PMID: 26727657
47. Hyams JS, Di Lorenzo C, **Saps M**, Shulman RJ, Staiano A, van Tilburg M. Functional Disorders: Children and Adolescents. *Gastroenterology*. 2016. pii: S0016-5085(16)00181-5. PMID: 27144632
48. Koppen IJN, Velasco-Benitez CA, Benninga MA, Di Lorenzo C, **Saps M**. Using the Bristol Stool Scale and Parental Report of Stool Consistency as Part of the Rome III Criteria for Functional Constipation in Infants and Toddlers. *J Pediatr*. 2016;177:44-48.e1. PMID: 27453373.
49. Chogle A, Velasco-Benitez CA, Koppen IJ, Moreno JE, Ramírez Hernández CR, **Saps M**. A Population-Based Study on the Epidemiology of Functional Gastrointestinal Disorders in Young Children. *J Pediatr*. 2016;179:139-143. PMID: 27726867
50. Varni JW, Shulman RJ, Self MM, Saeed SA, Patel AS, Nurko S, Neigut DA, **Saps M**, Franciosi JP, Denham JM, Zacur GM, Dark CV, Bendo CB, Pohl JF. Gastrointestinal Symptoms Predictors of Health-Related Quality of Life in Patients With Inflammatory Bowel Disease. Pediatric Quality of Life Inventory Gastrointestinal Symptoms Module Testing Study Consortium. *J Pediatr Gastroenterol Nutr*. 2016;63(6):e186-e192. PMID: 27749610
51. Lu PL, Velasco-Benítez CA, **Saps M**. Sex, Age, and Prevalence of Pediatric Irritable Bowel Syndrome and Constipation in Colombia: A Population-Based Study. *J Pediatr Gastroenterol Nutr*. 2017;64:e137-e141. PMID: 27579696
52. Dhroove G, **Saps M**, Garcia-Bueno C, Leyva Jiménez A, Rodriguez-Reynosa LL, Velasco-Benítez CA. Prevalence of functional gastrointestinal disorders in Mexican schoolchildren. *Rev Gastroenterol Mex*. 2017;82(1):13-18. PMID: 27546626
53. Koppen IJ, Yacob D, Di Lorenzo C, **Saps M**, Benninga MA, Cooper JN, Minneci PC, Deans KJ, Bates DG, Thompson BP. Assessing colonic anatomy normal values based on air contrast enemas in children younger than 6 years. *Pediatr Radiol*. 2017;47(3):306-312. PMID: 27896373

54. Watson KL Jr, Kim SC, Boyle BM, **Saps M**. Prevalence and Impact of Functional Abdominal Pain Disorders in Children With Inflammatory Bowel Diseases (IBD-FAPD). *J Pediatr Gastroenterol Nutr.* 2017;65(2):212-217. PMID: 27906801
55. Vandenplas Y, Szajewska H, Benninga MA, Di Lorenzo C, Dupont C, Faure C, Miqdadi M, Osatakul S, Ribes-Konickx C, **Saps M**, Shamir R, Staiano A, BITSS Study Group. Development of the Brussels infant and toddler stool scale (“BITSS”): protocol of the study. *BMJ Open.* 2017;7:e014620. PMID: 28360250
56. Varni JW, Shulman RJ, Self MM, Saeed SA, Patel AS, Nurko S, Neigut DA, **Saps M**, Zacur GM, Dark CV, Bendo CB, Pohl JF. Patient Health Communication Mediating Effects Between Gastrointestinal Symptoms and Gastrointestinal Worry in Pediatric Inflammatory Bowel Disease. *Inflamm Bowel Dis.* 2017;23(5):704-711. PMID: 28394807
57. Varni JW, Shulman RJ, Self MM, Nurko S, **Saps M**, Saeed SA, Patel AS, Dark CV, Bendo CB, Pohl JF. Gastrointestinal symptoms predictors of health-related quality of life in pediatric patients with functional gastrointestinal disorders. Pediatric Quality of Life Inventory™ Gastrointestinal Symptoms Module Testing Study Consortium. *Qual Life Res.* 2017;26(4):1015-1025. PMID: 27743332
58. **Saps M**, Moreno-Gomez JE, Ramírez-Hernández CR, Rosen JM, Velasco-Benitez CA. A nationwide study on the prevalence of functional gastrointestinal disorders in school-children. *Bol Med Hosp Infant Mex.* 2017;74(6):407-412. PMID: 29382524
59. Vriesman MH, Velasco-Benitez CA, Ramirez CR, Benninga MA, Di Lorenzo C, **Saps M**. Assessing Children's Report of Stool Consistency: Agreement Between the Pediatric Rome III Questionnaire and the Bristol Stool Scale. *J Pediatr.* 2017;190:69-73. PMID: 28912052
60. **Saps M**, Sansotta N, Bingham S, Magazzu G, Grosso C, Romano S, Pusatcioglu C, Guandalini S. Abdominal Pain-Associated Functional Gastrointestinal Disorder Prevalence in Children and Adolescents with Celiac Disease on Gluten-Free Diet: A Multinational Study. *J Pediatr.* 2017;182:150-154. PMID: 27979583
61. **Saps M**, Mintjens S, Pusatcioglu CK, Cohen DM, Sternberg P. Clinical Presentation of Acute Gastroenteritis in Children With Functional Abdominal Pain Disorders. *J Pediatr Gastroenterol Nutr.* 2017;65(2):165-167. PMID: 28737570
62. Varni JW, Shulman RJ, Self MM, Saeed SA, Zacur GM, Patel AS, Nurko S, Neigut DA, Franciosi JP, **Saps M**, Denham JM, Dark CV, Bendo CB, Pohl JF. Perceived medication adherence barriers mediating effects between gastrointestinal symptoms and health-related quality of life in pediatric inflammatory bowel disease. Pediatric Quality of Life Inventory™ Gastrointestinal Symptoms Module Testing Study Consortium. *Qual Life Res.* 2018;27(1):195-204. PMID: 28887749
63. **Saps M**, Velasco-Benitez CA, Blom PJJ, Benninga MA, Nichols-Vinueza DX. Prospective Study of Gastrointestinal Symptoms in School Children of South America. *J Pediatr Gastroenterol Nutr.* 2018;66(3):391-394. PMID: 28837513
64. Functional Gastrointestinal Disorders and Joint Hypermobility: A School-based Study. **Saps M**, Blom PJJ, Velasco-Benitez CA, Benninga MA. *J Pediatr Gastroenterol Nutr.* 2018;66(3):387-390. PMID: 28837511

65. Chogle A, Velasco-Benitez CA, Chanis R, Mejia M, **Saps M**. Multicountry cross-sectional study found that functional gastrointestinal disorders such as colic and functional dyschezia were common in South American infants. *Acta Paediatr*. 2018;107(4):708-713. PMID: 29266391
66. **Saps M**, Langhaw A. An Ounce of Prevention May Be Worth Many Pounds of Cure. *J Pediatr*. 2018. pii: S0022-3476(17)31665-7. PMID: 29336792
67. Koppen IJN, **Saps M**, Lavigne JV, Nurko S, Taminiau JAJM, Di Lorenzo C, Benninga MA. Recommendations for pharmacological clinical trials in children with functional constipation: The Rome foundation pediatric subcommittee on clinical trials. *Neurogastroenterol Motil*. 2018. PMID: 29380480
68. Lu PL, **Saps M**. Functional Gastrointestinal Disorders: All Roads Lead to Prevention. *Clin Gastroenterol Hepatol*. 2018. pii: S1542-3565(18)30101-0. PMID: 29391269
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Awarded Abstracts (Posters of Distinction)

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7. Mohammad S, Youssef NN, Miranda A, Nurko S, Hyman P, Cocjin J, Di Lorenzo C, **Saps M**. Assessment of Abdominal Pain Through Global Outcomes and Recent FDA Recommendations in Children. Are we Ready For Change? NASPGHAN. Orlando, FL. October 20-21, 2011 *Poster of Distinction*.
8. **Saps M**, Vinueza D, Velasco C. Gastrointestinal Symptoms in School-Aged Colombian Children. DDW. San Diego, CA, May 19-22, 2012. *Poster of Distinction*.
9. Ehrenpreis ED, Deepak P, Stobaugh D, Smith H, **Saps M**. A Computer- Fitted Biphasic Emptying Model (CBEM) Increases the Yield of Scintigraphic Gastric Emptying (SGE) Studies in Children with Upper GI Symptoms. DDW, Orlando, FL, May 18- 21, 2013. *Poster of Distinction*.

10. Lu P, Velasco CA, **Saps M**. The Impact of Menarche on Functional Gastrointestinal Disorders: Results of the Largest Population-Based Study of Children in the Western Hemisphere. NASPGHAN, Washington DC, October 7-11, 2015 *Poster of Distinction*
11. High resolution esophageal manometry in pediatric achalasia: classification, pathophysiology and clinical outcome. Righini-Grunder F, Hsieh H, Frenette A, Levesque D, Chogle A, **Saps M**, Aspirot A, Faure C. NASPGHAN, Washington DC, October 7-11, 2015 *Poster of Distinction*
12. Koppen IJ, **Saps M**, Benninga MA, Di Lorenzo C, Velasco-Benitez C. Only Fair Agreement Exists Between the Bristol Stool Scale and Parental Report of Stool Consistency in Young Children. Poster presentation (poster of distinction) at: Digestive Disease Week® (DDW) 2016, May 21-24, 2016, San Diego, CA, USA.
13. Velasco-Benítez CA., Orsagh-Yentis DK, Koppen I. J.N. Di Lorenzo C, **Saps M**. First Multicity Study on the Prevalence of Functional Constipation in Latin American Children 2-4 Years of Age. Poster presentation (poster of distinction) at: Digestive Disease Week® (DDW) 2016, May 21-24, 2016, San Diego, CA, USA.
14. Zwiener R, Hyman PE, Palsson O, **Saps M**, Di Lorenzo C, Shulman RJ, Hyams JS, Nursko S, van Tilburg M. Prevalence of Rome IV Functional Gastrointestinal Disorders in Children and Adolescents in the USA. Poster presentation at: World Congress of Pediatric Gastroenterology, Hepatology and Nutrition. October 5-8, 2016. Montreal, Canada.

Oral Presentations Abstracts

1. **Saps M**, Di Lorenzo C An infant with pancreatic ascites, North American Society for Pediatric Gastroenterology, Hepatology and Nutrition (NASPGHAN), San Antonio, TX, October 27, 2002.
2. **Saps M**, Youssef N, Switzer G, Langseder A, Cristiani A, Di Lorenzo C. Abdominal pain is the recall accurate, Functional Brain Group, Young Investigators Meeting, Scottsdale, AZ, April 25, 2004.
3. **Saps M**, Di Lorenzo C. Inter-rater reliability of the Rome criteria, II World Congress of Pediatric Gastroenterology, Hepatology and Nutrition, Paris, July 6, 2004.
4. **Saps M**, Di Lorenzo C. Inter-rater reliability of the Rome criteria, Midwest Gut Club, Cincinnati, OH, August 5, 2004.
5. **Saps M**, Di Lorenzo C. Common GI Symptoms: Prevalence and Risk Factors, NASPGHAN: Academic Skills Workshop: New Orleans, LA, January 11-13, 2007.
6. **Saps M**, Youssef N, Miranda A, Nurko S, Kagalwalla A, Di Lorenzo C. Evaluation of the Efficacy of Amitriptyline in Children with Functional Abdominal Pain. World Congress of Pediatric Gastroenterology Hepatology and Nutrition. Foz de Iguazu, Brazil. August 19, 2008.
7. **Saps M**, Youssef N, Miranda A, Nurko S, Cocjin J, Hyman P, Di Lorenzo C. Evaluation of the Efficacy of Amitriptyline in Children with Abdominal Pain of Non-Organic Origin. American College of Gastroenterology. Annual Meeting. *Plenary Session* Orlando, FL. October 7, 2008,

8. **Saps M**, Seshadri R, Sztainberg M, Schaffer G, Marshall B, Di Lorenzo C. A Prospective School Study on the Epidemiology of Functional Gastrointestinal Disorders in Children. American College of Gastroenterology. Annual Meeting. *Plenary Session*. Orlando, FL. October 7, 2008.
9. **Saps M**, Kumar D, Adams P, Di Lorenzo C. Impact of Abdominal Pain. 5000 Questionnaires Later, Do We Still Think is Benign? Digestive Disease Week. Chicago, IL. June 3rd, 2009
10. **Saps M**, Youssef N, Miranda A, Nurko S, Cocjin J, Hyman P, Di Lorenzo C. A multicenter randomized double blind placebo controlled study on the efficacy of Amitriptyline in functional abdominal pain in children: effect of seasonal variation. Digestive Disease Week. Chicago, IL. June 3rd, 2009
11. **Saps M**, Chogle A, Sztainberg M, Dhroove D, Di Lorenzo C. Inter-rater Reliability of the Rome III Criteria in Children. Digestive Diseases Week. New Orleans, LA. May 4th, 2010.
12. Bonilla S, Wang D, Lu P, **Saps M**. Obesity: A new prognostic factor in the management of functional gastrointestinal disorders in children. New Orleans, LA. May 4th, 2010.
13. **Saps M**, Vinueza D, Velasco CA. First Epidemiological Study of Functional Gastrointestinal Disorders in School Children of Colombia. NASPGHAN. New Orleans, LA, October 21-24, 2010.
14. Bonilla S, **Saps M**. Prevalence of Abdominal Pain and Functional Gastrointestinal Disorders in Community Children. Digestive Diseases Week. Chicago, IL. May 7th-10th, 2011.
15. Goncalves L, Skaggs B, Nurko S, Hyams J, Sweeney H, **Saps M**, Hyman P, Firestone-Baum C, Sood M, Miranda A, Di Lorenzo C. Characteristics of pain-predominant functional gastrointestinal disorder (FGID): preliminary results from the PAIN FREE Consortium. NASPGHAN. Orlando, FL. October 20-21, 2011.
16. **Saps M**, Vinueza D. Abdominal Pain and Functional Gastrointestinal Disorders in Children with Celiac Disease. DDW. San Diego, CA, May 19-22, 2012.
17. Chogle A, **Saps M**. Screening Tests for Constipation in Children: Is the Juice Worth the Squeeze? NASPGHAN. Salt Lake City, UT. October 18-21, 2012.
18. Velasco-Benitez C, **Saps M**, Yacob D. Prevalence and Possible Associations of Abdominal Pain-Associated Functional Gastrointestinal Disorders in School Children and Adolescents of Colombia, South America. _NASPGHAN, Washington DC, October 12, 2015.
19. Lu P, Bloom PJ, Velasco-Benitez C, Benninga MA, **Saps M**. Children with Functional Gastrointestinal Disorders Report an Abnormal Response to Family Stress: A Case-Control Study DDW. Chicago, IL, May 9, 2017.
20. Lifschitz C, Ludwig T, Mahon J, Thapar N, Glanville J, Miqdady M, **Saps M**, Hock Quak S, Lenoir-Wijnkoop I, Edwards M, Wood J, Szajewska H. Mind the gap: Discrepant costs between actual and recommended treatments of infant functional gastrointestinal disorders. ESPGHAN, Prague, 13, May 2017.
21. Hernandez-Benabe S, Martin P, Tamariz T, Langshaw A, **Saps M**, Smith L. Are Race or Ethnicity Indicators of Disease Type or Severity in Pediatric Autoimmune Hepatitis or Autoimmune Sclerosing Cholangitis? Abstract Award Recipient (AASLD). DDW 2019, San Diego, CA.

PRESENTATIONS - *Speaker Engagements*

1. Functional Gastrointestinal Disorders. Grand Rounds, Evanston Hospital, Chicago, IL, December 12, 2004.
2. Functional Gastrointestinal Disorders. Pediatric Pearls, Oakbrook, IL, September 15, 2005
3. Functional Bowel Disorders in Children. CME Webcast. Chicago, IL, August, 2006.
4. Ecology and Seasonal Variation in the presentation of Functional Abdominal Pain. First Annual Pediatric Functional Abdominal Pain Symposium, Morristown, NJ, September 29, 2006.
5. Role of Gut Flora and Abdominal Pain. First Annual Pediatric Functional Abdominal Pain Symposium, Morristown, NJ, September 29, 2006.
6. Role of Ecology on Childhood FGID. Seventh International Symposium on Functional Gastrointestinal Disorders. Milwaukee, International Foundation for Functional Gastrointestinal Disorders (IFFGD) WI, April 14, 2007.
7. Functional Abdominal Pain. Grand Rounds. Children's Memorial Hospital, Chicago, IL, July 13, 2007.
8. Functional Abdominal Pain. Grand Rounds. Visiting Professor. University of Illinois at Chicago, Chicago, IL, August 28, 2007.
9. Postinfectious Gastrointestinal Disorders. 4th European Pediatric GI Motility Meeting October 6, 2007, London, United Kingdom.
10. Environment. "New Insights into Childhood Functional Abdominal Pain and Irritable Bowel Syndrome: A Multidisciplinary Approach". Single Topic Symposium. North American Society for Pediatric Gastroenterology, Hepatology and Nutrition (NASPGHAN), Salt Lake City, UA, October 25, 2007.
11. Abdominal Pain. Essentials of Assessment and Management. Pediatric Pearls on the North Shore, Deerfield, IL, May 03, 2008.
12. Síndrome de Colon Irritable Post-Infecioso. Curso Precongreso. Latin-American Society of Pediatric Gastroenterology Hepatology and Nutrition (LASPGHAN), August 17, 2008. Foz de Iguazu, Brazil.
13. Abdominal Pain. Finally, some evidence. World Congress of Pediatric Gastroenterology Hepatology and Nutrition. August 19, 2008. Foz de Iguazu, Brazil.
14. Functional Abdominal Pain. Grand Rounds. University of Illinois at Rockford, Rockford, IL, November 14, 2008.
15. Constipation. Pediatric Pearls, Oakbrook, IL, November 25, 2008.
16. Abdominal Pain. Pediatric Pearls, Oakbrook, IL, November 25, 2008.

17. GI Motility. Pediatric Pearls, Oakbrook, IL, November 25, 2008.
18. Trastornos funcionales gastrointestinales: ¿cuándo, cómo y por qué? 3rd Colombian Congress and 4th Latin-American, Ibero-American and Colombian April, 23 2009, Santa Marta, Colombia
19. Manejo del dolor abdominal en niños. 3rd Colombian Congress and 4th Latin-American, Ibero-American and Colombian April, 24 2009, Santa Marta, Colombia
20. Treatment of Abdominal Pain. Functional/Non-Organic Pain Symposium. Pearls on the North Shore, Deerfield, IL, May 22, 2009.
21. Tratamiento del Dolor Abdominal. Evidencia y puesta al día. Grand Rounds. Hospital Pereyra-Rossell, June 26th, 2009. Montevideo, Uruguay.
22. Treatment of Abdominal Pain. Myths and Facts. September 10th, 2009. American Family Children's Hospital, Madison, WI.
23. Tratamiento del Dolor Abdominal. Médico y Complementario. Reflujo Gastroesofágico. Fisiopatología del Dolor Abdominal. XI Congreso de Gastropediatria de Venezuela, September 16- 17, 2009. Caracas, Venezuela.
24. Treatment of Abdominal Pain. October 21, 2009. Invited Professor. Boston's Children's Hospital. Boston, MA.
25. Functional Abdominal Pain. Research Update. October 21, 2009. Invited Professor. Boston's Children's Hospital. Boston, MA.
26. Centro de Gastroenterología Infantil. ¿Cómo organizar un centro? November 17, 2009. Visiting Professor. Santiago de Chile. Chile.
27. Manejo del Dolor Abdominal. Sociedad Chilena Gastroenterología, Hepatología y Nutrición Pediátrica. November 17, 2009. Santiago de Chile. Chile.
28. Trastornos de la Motilidad. XVII Congreso Latinoamericano. VII Congreso Iberoamericano. I Congreso Chileno de Gastroenterología, Hepatología y Nutrición Pediátrica. November 28, 2009. Puerto Varas. Chile.
29. Tratamiento del Dolor Abdominal. XVII Congreso Latinoamericano. VII Congreso Iberoamericano. I Congreso Chileno de Gastroenterología, Hepatología y Nutrición Pediátrica. November 28, 2009. Puerto Varas. Chile.
30. Dolor abdominal. Actualidades en Diagnóstico y Manejo. Semana Nacional De Gastroenterología. XI Curso Internacional de Gastroenterología y Nutrición Pediátrica. December 12, 2009. Guadalajara, Mexico.
31. Síndrome de Intestino Irritable: Mecanismo y Tratamiento. 4th Colombian Congress and 5th Latin-American, Ibero-American and Colombian April, 15-17 2010. Pereira, Colombia

32. Estreñimiento Crónico Funcional: Causas, Tratamiento y Pronóstico. 4th Colombian Congress and 5th Latin-American, Ibero-American and Colombian April, 15-17 2010. Pereira, Colombia
33. Treatment of Abdominal Pain. 11th Annual Alumni Day. Infants and Children's Hospital of Brooklyn. April 20, 2010. Brooklyn, NY.
34. A New Paradigm for the Treatment of Children with Chronic Abdominal Pain. Grand Rounds. Children's Memorial Hospital, September 17, 2010. Chicago, IL.
35. Gastroesophageal Reflux Disease: The View from the Motility Arm Chair. Challenging Gastrointestinal Disorders Series: Gastroesophageal Reflux in Children and Adolescents September 25, 2010. Berkeley, CA.
36. Motility Disorders Mimicking Gastroesophageal Reflux Disease. Challenging Gastrointestinal Disorders Series: Gastroesophageal Reflux in Children and Adolescents September 25, 2010. Berkeley, CA.
37. Dolor Abdominal Funcional. NASPGHAN. Meet the Professors Breakfast. October 22, 2010. New Orleans, LA.
38. Functional Abdominal Pain. NASPGHAN. Meet the Professors Breakfast. October 23, 2010. New Orleans, LA.
39. Amitriptyline and Abdominal Pain: Yes, No, or Maybe? NASPGHAN. October 23, 2010. New Orleans, LA.
40. Treatment of Functional Abdominal Pain: Past, Present and Future. Grand Rounds. University of Chicago, Chicago, IL. May 26, 2011.
41. Ecología de los Trastornos Funcionales Digestivos Funcionales en Pediatría. Hospital del Niño "Federico Gómez". September 22, 2011. Saltillo, México.
42. Dolor Abdominal Crónico en Pediatría. Hospital del Niño "Federico Gómez". September 22, 2011. Saltillo, México.
43. Indicaciones de Manometría - Curso Pre-Congreso XVIII Congreso Latinoamericano. IX Congreso Iberoamericano. I Congreso Caribeño. I Congreso Dominicano de Gastroenterología y Nutrición Pediátrica. November 17, 2011. Punta Cana, Republica Dominicana.
44. Pseudoobstrucción Crónica Intestinal- XVIII Congreso Latinoamericano. IX Congreso Iberoamericano. I Congreso Caribeño. I Congreso Dominicano de Gastroenterología y Nutrición Pediátrica. November 18, 2011. Punta Cana, Republica Dominicana.
45. Functional abdominal, an infectious disease? 5th European Pediatric Motility Meeting. December 9, 2011, Amsterdam, Netherlands
46. Pharmacological treatment for abdominal pain. 5th European Pediatric Motility Meeting. December 9, 2011, Amsterdam, Netherlands

47. Dolor Abdominal y Enfermedad Celíaca. Congreso Sociedad Argentina de Gastroenterología. October 4, 2012. Mar del Plata, Argentina.
48. Dolor Abdominal Crónico, Mecanismos y Alternativas Terapéuticas. Congreso Sociedad Argentina de Gastroenterología. October 4, 2012. Mar del Plata, Argentina.
49. Síndrome del Vomito Cíclico. Congreso Sociedad Argentina de Gastroenterología. October 4, 2012. Mar del Plata, Argentina.
50. Trastornos Gastrointestinales Funcionales: Mejores Evidencias en Diagnóstico y Manejo. Curso Internacional de Gastroenterología y Nutrición Pediátrica. December 12, 2012. Merida, Mexico.
51. How to Make World Class Research on a Fellow's Budget? 1st Annual NASPGHAN Fellow's Conference. January 19, 2013. Fort Lauderdale, FL.
52. Functional Abdominal Pain. Pediatric Pearls Gastroenterology. Ann & Robert H. Lurie Children's Hospital of Chicago. March 2013. Rosemont, IL,
53. Pharmacological Treatments of Pain Predominant Pediatric Functional Gastrointestinal Disorders.. Tenth International Symposium on Functional Gastrointestinal Disorders. Milwaukee, International Foundation for Functional Gastrointestinal Disorders (IFFGD) WI, April 12, 2013.
54. Irritable Bowel Syndrome in Inflammatory Bowel Disease. 18th annual CCFA Illinois Educational Symposium. April 20, 2013. Skokie, IL.
55. Dolor Abdominal Funcional. Curso Avances en Gastroenterología y Nutrición Pediátrica. Facultad de Medicina Universidad de La Frontera. May 10, 2013. Temuco, Chile.
56. Síndrome de Vómito Cíclico. Curso Avances en Gastroenterología y Nutrición Pediátrica. Facultad de Medicina Universidad de La Frontera. May 10, 2013. Temuco, Chile.
57. ¿Qué Hay de Nuevo en las Alteraciones Funcionales Gastrointestinales en el Niño? Curso Avances en Gastroenterología y Nutrición Pediátrica. Facultad de Medicina Universidad de La Frontera. May, 10, 2013. Temuco, Chile.
58. What Predisposes a Child to Develop Functional Pain: Role of Early (and Not so Early) Life Events. Digestive Diseases Week, May 20, 2013. Orlando, FL.
59. Functional abdominal pain/FODMAPS. Nutrition Symposium for Dieticians. NASPGHAN, October 13, 2013. Chicago, IL.
60. Retching post fundoplication. NASPGHAN, October 13, 2013. Chicago, IL.
61. Tratamiento del Dolor Abdominal. Jornadas de Gastroenterología y Nutrición Infantil V Región, April 11-12, 2014. Viña del Mar, Chile
62. Vómitos Funcionales No Cíclicos. Jornadas de Gastroenterología y Nutrición Infantil V Región, April 11-12, 2014. Viña del Mar, Chile

63. Gastroparesis. Jornadas de Gastroenterología y Nutrición Infantil V Región, April 11-12, 2014. Viña del Mar, Chile
64. Tratamiento del Dolor Abdominal Funcional- IV Congreso Internacional del Colegio Colombiano de Gastroenterología, Hepatología y Nutrición Pediátrica. August 7-9, 2014. Cali, Colombia.
65. Síndrome de Vómito Cíclico. IV Congreso Internacional del Colegio Colombiano de Gastroenterología, Hepatología y Nutrición Pediátrica. August 7-9, 2014. Cali, Colombia.
66. Pediatric Irritable Bowel Syndrome. The 1st Federation of Neurogastroenterology and Motility meeting, September 5-7, 2014, Guangzhou, China.
67. Estreñimiento. First International Course of the Latin American Society of Pediatric Gastroenterology, Hepatology and Nutrition. September 17-20, 2014, Riviera Maya, Mexico.
68. Tratamiento del Dolor Abdominal Crónico. First International Course of the Latin American Society of Pediatric Gastroenterology, Hepatology and Nutrition. September 17-20, 2014, Riviera Maya, Mexico.
69. Treatment of Functional Abdominal Pain. Grand Rounds. Visiting Professor. University of Iowa Children's Hospital. November 07, 2014.
70. Visceral Hypersensitivity. News in pediatric functional gastrointestinal disorders: what it's changed? December 5-6, 2014, Palermo, Italy.
71. Dispepsia Funcional en Pediatría. V Congreso Internacional del Colegio Colombiano de Gastroenterología, Hepatología y Nutrición. March 19, 2015, Santa Marta, Colombia.
72. Desórdenes Gastrointestinales Funcionales: ¿Sobre qué se investiga actualmente? V Congreso Internacional del Colegio Colombiano de Gastroenterología, Hepatología y Nutrición. March 19, 2015, Santa Marta, Colombia.
73. Abdominal Pain Investigations: The diagnostic work-up. Abdominal Pain in Children: Clinical concepts, diagnosis and practical management. Institute of Child Health. June 15, 2015, London, UK.
74. Early Life Factors and Infections in the Pathogenesis of Abdominal Pain. Abdominal Pain in Children: Clinical concepts, diagnosis and practical management. Institute of Child Health. June 15, 2015, London, UK.
75. Enfermedad de Crohn. III Congreso Internacional de Gastroenterología, Hepatología y Nutrición Pediátrica. June 17, 2015, Quito, Ecuador.
76. Manejo del Dolor Abdominal. III Congreso Internacional de Gastroenterología, Hepatología y Nutrición Pediátrica. June 17, 2015, Quito, Ecuador.
77. Gut motility disorders and Connective Tissue Diseases: what is the connection? 7th European Pediatric Gastrointestinal Motility Meeting. October 2, 2015, Sorrento, Italy.
78. Health Related Quality of Life in Pediatric Patients with Functional and Organic Disorders. 7th European Pediatric Gastrointestinal Motility Meeting. October 2, 2015, Sorrento, Italy.

79. The Overlap Between Inflammatory Bowel Disease and Functional Gastrointestinal Disorders: Challenges and Treatment Implications. NASPGHAN Annual Meeting, October 10, 2015, Washington DC.
80. GI/Motility Hands On Lab. Anorectal and Colonic Manometry. 2015 Pediatric Colorectal, Motility and Pelvic Reconstruction Conference. November 6, 2015, Columbus OH.
81. Motility for Functional Constipation, Anorectal Malformations and Hirschsprung's Disease. Pediatric Colorectal, Motility and Pelvic Reconstruction Conference. November 6, 2015, Columbus OH.
82. Functional Abdominal Pain and IBS- 32nd Annual Colin J. Condron, MD Care of the Sick Child Conference. November 12, 2015, Orlando, FL.
83. Disorders Frequently Missed- Visiting Professor. Arnold Palmer Children's Hospital-November 13, 2015, Orlando, FL.
84. Dispepsia Funcional- Simposio Internacional Enfermedades Digestivas en Niños. April 7-8, 2016, Cali, Colombia.
85. Estreñimiento - Simposio Internacional Enfermedades Digestivas en Niños. April 7-8, 2016, Cali, Colombia.
86. Tratamiento del Dolor Abdominal. Simposio Internacional Enfermedades Digestivas en Niños. April 7-8, 2016, Cali, Colombia.
87. Update on Irritable Bowel Syndrome. Advances in Pediatric Gastroenterology, Hepatology, and Nutrition. May 5-6. 2016, Boston, MA.
88. ¿Por qué Tienen Dolor Abdominal Los Niños? Congreso de Especialidades Pediátricas. June 4, 2016. Quito, Ecuador.
89. Estreñimiento En Pediatría. Congreso de Especialidades Pediátricas. June 4, 2016. Quito, Ecuador.
90. Tratamiento del Dolor Abdominal. Congreso de Especialidades Pediátricas. June 4, 2016. Quito, Ecuador.
91. Controversias en Síndrome de Intestino Irritable. II Congreso de Gastroenterología, Hepatología y Nutrición Pediátrica. July 29, 2016. Ciudad de Panamá, Panamá.
92. Dolor Abdominal Funcional: Todos los Estudios son Normales Pero el Dolor Continúa. ¿Ahora Qué Hago? II Congreso de Gastroenterología, Hepatología y Nutrición Pediátrica. July 29, 2016. Ciudad de Panamá, Panamá.
93. Tratamiento de Dispepsia Funcional. II Congreso de Gastroenterología, Hepatología y Nutrición Pediátrica. July 29, 2016. Ciudad de Panamá, Panamá.
94. Functional Bowel Disorders. The role of Early Life Events. Federation of Neurogastroenterology and Motility Meeting. August 27, 2016. San Francisco, CA.

95. The role of early life factors and infections. Abdominal Pain in Children: Clinical Concepts, Diagnosis and Practical Management. September 6, 2016. London, UK.
96. Investigations: The Diagnostic Workup. Abdominal Pain in Children: Clinical Concepts, Diagnosis and Practical Management. September 6, 2016. London, UK.
97. Constipación. 19° Simposio Internacional de Actualización Pediátrica "Dr. Carlos A. Gianantonio" September, 29, 2016. Buenos Aires Argentina.
98. Tratamiento Farmacológico de Síntomas Gastroenterológicos Frecuentes. 19° Simposio Internacional de Actualización Pediátrica "Dr. Carlos A. Gianantonio" September, 29, 2016. Buenos Aires Argentina.
99. Tratamiento Farmacológico de los Vómitos. 19° Simposio Internacional de Actualización Pediátrica "Dr. Carlos A. Gianantonio" September, 30, 2016. Buenos Aires Argentina.
100. New Advances in Pediatric Gastroenterology: Rome Criteria in Pediatrics. LASPGHAN Session. V World Congress of Pediatric Gastroenterology, Hepatology & Nutrition. October 6, 2016. Montreal, Canada.
101. Abdominal Pain. Pharmacological Therapies. V World Congress of Pediatric Gastroenterology, Hepatology & Nutrition. October 8, 2016. Montreal, Canada.
102. Treatment of Abdominal Pain. What Do We Do? What Should We Be Doing? Department of Pediatrics Grand Rounds, University of Chicago, October 27, 2016, Chicago.
103. Treatment of Abdominal Pain. New Paradigm. Holtz Children's Hospital. November 9, 2016, Miami, FL.
104. Tratamiento del Dolor Abdominal. IV Congreso Internacional de Gastroenterología Hepatología y Nutrición Pediátrica. May 31, 2017, Quito, Ecuador.
105. Desordenes Gastrointestinales Funcionales. Criterios de Roma IV. IV Congreso Internacional de Gastroenterología Hepatología y Nutrición Pediátrica. June 1, 2017, Quito, Ecuador.
106. Principios de Motilidad. IV Congreso Internacional de Gastroenterología Hepatología y Nutrición Pediátrica. June 2, 2017, Quito, Ecuador.
107. Transitioning Your Patient to Adult-Centered Care. 12th Postgraduate Course on Gastrointestinal Motility & Neurogastroenterology in Clinical Practice. American Neurogastroenterology and Motility Society. August 5, 2017, New York.
108. Treatment of Functional Abdominal Pain. Grand Rounds. Milwaukee College School of Medicine. Milwaukee, WI, August 28, 2017.
109. POTS and joint hypermobility: What do they have to do with functional disorders? Postgraduate Course. NASPGHAN. November 4, 2017. Las Vegas, USA.
110. Abdominal Pain: Evaluation and Practice. Postgraduate Course. NASPGHAN. November 4, 2017. Las Vegas, USA.

111. Chronic Nausea: Organic or Functional? LASPGHAN Session. NASPGHAN Annual Meeting, November 4, 2017. Las Vegas, USA.
112. Psychosocial Interventions for Abdominal Pain in Children. Great Miami Journal Club. January 27, 2018. Miami, FL.
113. Novedades de Roma IV. Puesta al Día Para el Pediatra. Hospital Puerta de Hierro, Madrid. February 4, 2018. Madrid, Spain.
114. Novedades de Roma IV. Puesta al Día Para el Gastroenterólogo Infantil. Congreso Español de Gastroenterología Infantil. February 5, 2018. El Escorial, Spain.
115. Novedades de Roma IV. Puesta al Día Para El Pediatra. Universidad de Santiago de Compostela. February 6, 2018. Santiago de Compostela, Galicia, Spain.
116. Functional Abdominal Pain Disorders. European Pediatric Motility Meeting. March 22, 2018. London, UK.
117. The Power of the Mind. European Pediatric Motility Meeting. March 22, 2018. London, UK.
118. Endpoints in Irritable Bowel Syndrome in Children. Gastroenterology Regulatory Endpoints and the Advancement of Therapeutics - GREAT V. Pediatric Irritable Bowel Syndrome and Pediatric Functional Constipation Workshop. March 27, 2018. Silver Spring, MD, USA.
119. Estreñimiento Mito y Realidad. XXX Jornadas de Avances en Pediatría. Universidad Del Valle. April 28, 2018. Cali, Colombia.
120. ¿Cómo Tratar Dolor Abdominal Desde la Evidencia? XXX Jornadas de Avances en Pediatría. Universidad del Valle. April 28, 2018. Cali, Colombia.
121. The Role of Complementary Medicine in Functional Gastrointestinal Disorders. Advances in Pediatric Gastroenterology, Hepatology, and Nutrition 2018. May 5-6, 2018. Boston Children's Hospital, Boston, MA. On-line.
122. Manejo del Dolor Abdominal. I Congreso Internacional de Gastroenterología Pediátrica y Probióticos. September 5-7, 2018. Sociedad Latinoamericana de Gastroenterología, Hepatología y Nutrición Pediátrica. Guayaquil, Ecuador.
123. Estreñimiento Mito y Realidad. I Congreso Internacional de Gastroenterología Pediátrica y Probióticos. September 5-7, 2018. Sociedad Latinoamericana de Gastroenterología, Hepatología y Nutrición Pediátrica. Guayaquil, Ecuador.
124. Tratamientos Complementarios en Dolor Abdominal. I Congreso Internacional de Gastroenterología Pediátrica y Probióticos. Sep 5-7, 2018. Sociedad Latinoamericana de Gastroenterología, Hepatología y Nutrición Pediátrica. Guayaquil, Ecuador.
125. Anorectal and Colonic Manometry: Difficult cases. Single Topic Symposium. NASPGHAN, October 24, 2018. Hollywood, FL, USA.
126. Debate: Role of Endoscopy in Abdominal Pain. NASPGHAN Annual Meeting, October 26, 2018.

Hollywood, FL, USA.

127. Constipation and Encopresis: Evaluation and Management. National Conference & Exhibition. American Academy of Pediatrics, November 5, 2018, Orlando, FL, USA.
128. Irritable Bowel Syndrome: Diagnosis and Management. National Conference & Exhibition. American Academy of Pediatrics, November 6, 2018, Orlando, FL, USA.
129. Functional Abdominal Pain Disorders, Now and Next. Boston Children's Hospital. Visiting Professor. November 7, 2018, Boston, MA, USA.
130. Neuroimagen en Trastornos Gastrointestinales Funcionales. Semana Nacional de Gastroenterología. Asociación Mexicana de Gastroenterología. November 17, 2018, Merida, Mexico.
131. Padecimientos Funcionales Gastrointestinales en Niños y Adolescentes Basados en los Criterios de Roma IV. Semana Nacional de Gastroenterología. Asociación Mexicana de Gastroenterología. November 17, 2018, Merida, Mexico.
132. Evidence Based Therapies in IBS. Canadian Association of Gastroenterology DDW (CDDW). CAG/NASPGHAN Session. March 3, 2019, Banff, Canada.
133. Trastornos gastrointestinales funcionales del niño mayor- XXVI Congreso Sociedad Española de Gastroenterología, Hepatología y Nutrición Pediátrica (SEGHNP). May 16, 2019, Santander, Spain.
134. Nueva Evidencias en el Abordaje del Dolor Abdominal Funcional. - XXVI Congreso Sociedad Española de Gastroenterología, Hepatología y Nutrición Pediátrica (SEGHNP). May 16, 2019, Santander, Spain.
135. ¿Qué cambios han supuesto los criterios Roma IV? - XXVI Congreso Sociedad Española de Gastroenterología, Hepatología y Nutrición Pediátrica (SEGHNP). May 16, 2019, Santander, Spain
136. The Overlap Between IBD and IBS in Pediatrics- Annual Conference New Jersey American Academy of Pediatrics, May 22, 2019, Somerset, NJ.
137. Risk and protective factors for functional abdominal pain: from uterus to adulthood. Digestive Disease Week (DDW), May 18, 2019, San Diego, California.
138. Tratamiento del dolor abdominal. ¿Qué hacer cuando las drogas no alcanzan? V Congreso Internacional de Gastroenterología Hepatología y Nutrición Pediátrica. Junio 19 a junio 22 del 2019. Quito, Ecuador.
139. Terapia complementaria de los trastornos gastrointestinales funcionales. V Congreso Internacional de Gastroenterología Hepatología y Nutrición Pediátrica. Junio 19 a junio 22 del 2019. Quito, Ecuador.
140. Tratamiento del estreñimiento basado en la evidencia. V Congreso Internacional de Gastroenterología Hepatología y Nutrición Pediátrica. Junio 19 a junio 22 del 2019. Quito, Ecuador.
141. Eliminando los mitos del estreñimiento. XV Simposio de Gastropediatría, September 26, 27, 2019 Bucaramanga, Colombia.

142. Manejo farmacológico del dolor abdominal. XV Simposio de Gastropediatria, September 26, 27, 2019. Bucaramanga, Colombia.
143. Tratamiento dietético del Intestino Irritable. XV Simposio de Gastropediatria, September 26, 27, 2019. Bucaramanga, Colombia.
144. Novel treatments for functional abdominal pain: what's in the pipeline? NASPGHAN, October 17, 18, 19, 2019 Chicago, IL.
145. Gastroparesis: Es lo mismo que Dispepsia Funcional y no cambia el manejo. NASPGHAN, October 17,18,19, 2019, Chicago, IL.
146. Rumiacion. Sociedad Uruguaya de Pediatría. October 23, 2019. Uruguay
147. Estreñimiento: Un lobo con piel de cordero. Tratamiento basado en la experiencia. October 23, 2019. Uruguay.
146. Náuseas y dispepsia; ¿Qué hago? ¿Cómo lo trato? October 24, 2019. Uruguay.
147. Pediatric Neurogastroenterology and Motility Conference. Nationwide Children's Hospital. November 13-16, 2019. Columbus, OH
148. Evidence Based Treatment of Abdominal Pain in Children. Pediatric Conference UPMC Children's Hospital of Pittsburgh (CHP) November 21-22, 2019. Pittsburgh, PA
149. Rol de la Endoscopia en el Dolor abdominal crónico / The role of Endoscopy in Chronic Abdominal Pain. 24th Pan American Congress of Digestive Endoscopy. March 7-10, 2020. Rio de Janeiro, Brazil.

RESEARCH GRANTS

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| 2002-2004 | Children's Hospital of Pittsburgh, General Clinical Research Center, National Institutes of Health Grant No M01 RR00084. Evaluation of the Efficacy of Amitriptyline in Children with Abdominal Pain of Non-Organic Origin, \$3,750. |
| 2002-2004 | Children's Hospital of Pittsburgh Research Advisory Committee Funds. Evaluation of the Efficacy of Amitriptyline in Children with Abdominal Pain of Non-Organic Origin, \$54,000. CHP 19596 RA501- Study PI. |
| 2003-2007 | American College of Gastroenterology Research Award: "Evaluation of the Efficacy of Amitriptyline in Children with Abdominal Pain of Non Organic Origin", \$10,000. -Study PI. |
| 2004-2007 | American College of Gastroenterology Research Award: "A Prospective Study on the Epidemiology of Functional Gastrointestinal Disorders in Children", \$22,900. Study PI. |

- 2005-2007 Children's Memorial Hospital General Clinical Research Center, National Institutes of Health Grant No M01 RR-00048. Evaluation of the Efficacy of Amitriptyline in Children with Abdominal Pain of Non-Organic Origin, \$4,704. Study PI.
- 2008-2010 Pediatric Practice Research Group, Department of Pediatrics. Northwestern University's Feinberg School of Medicine. Seed Grant. Understanding Children's Stomach Pains, \$20,000. Study PI.
- 2017-Present Florida State University College of Medicine, Identification of Microbiome Profile Alterations in Fecal Samples from Children With Recurrent Abdominal Pain (Co-Investigator, Principal Investigator Devendra Mehta). Seed Grant Award, \$23,280.

OTHER ACTIVITIES

Editorial Board:

2013- Revista Gastrohnap, Colombia

2015- Revista de Gastroenterología de México

2016- NeuroGastroLatam Reviews SLNG

2017- Co-Editor- NeuroGastroLatam Reviews SLNG

Manuscript reviewer:

Gastroenterology

Journal of Pediatrics

Pediatrics

Journal of Pediatric Gastroenterology and Nutrition

Digestive Diseases and Sciences

The American Journal of Gastroenterology

Neurogastroenterology and Motility

Clinical Gastroenterology and Hepatology

Revista de Gastroenterología de México

Alimentary Pharmacology and Therapeutics

BMC Gastroenterology

JAMA Pediatrics

Guest Editor:

Pediatric Annals 2014. Chronic Abdominal Pain

Nutrients 2018. Nutrition and Functional Abdominal Pain

Abstract Review Committee DDW, Pediatric Functional and Motility Disorders:

2010, 2011, 2012 (Chairman), 2014, 2015 (Chairman)

Abstract Review Committee DDW, Functional Dyspepsia: 2016 (Chairman)

Abstract Review Committee: 7th European Pediatric Gastrointestinal Motility Meeting: 2015

AGA Institute Council's Poster Judge: Pediatric Functional and Motility Disorders: DDW 2015, 2017

Reviewer ANMS Poster Awards: 2008, 2010 2015

Organizing Committee Global Health Session (Member) - V World Congress of Pediatric Gastroenterology, Hepatology & Nutrition. October 6- 8, 2016. Montreal, Canada.

Reviewer Study Section NIH: ZRG1 DKUS-N Small Business: Digestive Sciences Meeting: November 2016.

Steering Committee (Member): Gastroenterology Regulatory Endpoints and the Advancement of Therapeutics - GREAT V. Pediatric Irritable Bowel Syndrome and Pediatric Functional Constipation Workshop. March 27, 2018. White Oaks, USA.

Abstract Review Committee ANMS: 2019

Scientific Committee: Latin-American Pediatric Gastroenterology Hepatology and Nutrition, Ecuador 2021.