

**CURRICULUM VITAE**

**DR. OSCAR MAURICIO NAVARRO KUNSTMANN**

**STAFF RADIOLOGIST**

DEPARTMENT OF DIAGNOSTIC IMAGING  
THE HOSPITAL FOR SICK CHILDREN

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**ASSOCIATE PROFESSOR**

DEPARTMENT OF MEDICAL IMAGING  
UNIVERSITY OF TORONTO

TORONTO, ONTARIO  
CANADA

## **BIOGRAPHICAL INFORMATION**

### **Examination and Degrees:**

Médico-Cirujano (M.D. equivalent) 1990 School of Medicine, Faculty of Medicine,  
Pontificia Universidad Católica de Chile,  
Lira 44, Santiago, Chile

### **Medical Licenses and Boards:**

Médico-Cirujano (M.D. equivalent) 1990 Pontificia Universidad Católica de Chile

Chilean Radiology Specialty Boards 1996 CONACEM (Chile)

Licentiate Certification 2001 Medical Council of Canada

Restricted Certificate of Registration (71030) 2001 College of Physicians and Surgeons of Ontario

### **Employment:**

#### **Present Appointments:**

##### **Academic**

**Associate Professor**  
Department of Medical Imaging  
University of Toronto  
Toronto, Canada

**Director**  
Fellowship Program  
Pediatric Radiology Residency Program  
Department of Diagnostic Imaging  
The Hospital for Sick Children  
Toronto, Canada

##### **Clinical**

**Staff Radiologist**  
Department of Diagnostic Imaging  
The Hospital for Sick Children  
Toronto, Canada

##### **Research**

**Project Investigator**  
Department of Child Health Evaluative Sciences  
Research Institute  
The Hospital for Sick Children  
Toronto, Canada

**Previous Appointments:**

May 2009 - June 2013

**Head, Ultrasound Section**  
Department of Diagnostic Imaging  
The Hospital for Sick Children  
Toronto, Canada

August 2000 - February 2001

**Staff Pediatric Radiologist**  
Department of Diagnostic Imaging  
Clínica Alemana  
Vitacura, Santiago, Chile

1998 - June 2000

**Chief Radiology Fellow**  
Department of Diagnostic Imaging  
The Hospital for Sick Children  
Toronto, Canada

April 1997- June 2000

**Pediatric Radiology Fellowship**  
Department of Medical Imaging, University of Toronto  
Department of Diagnostic Imaging  
The Hospital for Sick Children  
Toronto, Canada

Oct. 1994- Feb. 1997

**Staff Radiologist**  
Department of Diagnostic Imaging  
Clínica Alemana  
Vitacura, Santiago, Chile

April 1994 - August 1996

**Staff Radiologist**  
Department of Diagnostic Imaging  
Hospital Militar de Santiago  
Providencia, Santiago, Chile

July 1995 - Sept 1995

Rotation as **Observer**  
Department of Diagnostic Imaging  
The Hospital for Sick Children  
Toronto, Canada

August 1994 - May 1995

**Elective rotation**  
Department of Radiology  
Luis Calvo Mackenna Children's Hospital  
Providencia, Santiago, Chile

June 1994 - July 1994

**Elective rotation** in Pediatric Diagnostic Imaging  
Service of Radiology  
Clínica Santa María  
Providencia, Santiago, Chile

April 1991- March 1994

**Radiology Residency**  
Department of Diagnostic Imaging  
Hospital Militar de Santiago

Providencia, Santiago, Chile

January 1990 - March 1991

**General Practitioner**  
Punta Arenas and Santiago, Chile

## **Professional Affiliations and Activities**

### **Memberships in Professional Societies and Organizations:**

- Society for Pediatric Radiology (active member #8424)
- Radiological Society of North America (associate member #85939)
- American Roentgen Ray Society (associate member #411937)
- European Society of Pediatric Radiology (active member)
- Ontario Medical Association (active member #0746115)
- Canadian Medical Association (active member #123725)
- Royal College of Physicians and Surgeons of Canada Continuing Professional Development Program (#625610)

### **Departmental Committees at The Hospital for Sick Children**

Diagnostic Imaging Patient Care Committee	Co-Chair	2002-2006
Diagnostic Imaging Fellowship Committee	Chair	2011 to date

### **Departmental Committees at the University of Toronto**

Medical Imaging Executive Committee	Member	2012, 2016
Medical Imaging Strategic Planning Education Sub-Committee	Member	2013
Medical Imaging Education Committee	Member	2014 to date

### **Royal College of Physicians and Surgeons of Canada**

Pediatric Radiology Specialty Committee	Non-voting member	2011 to date
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### **University of Toronto Postgraduate Medical Education**

Internal Review Team Member: Pediatric Respiriology Residency Program, February 26, 2015

Internal Review Team Chair: Pediatric Rheumatology Residency Program, April 26, 2016

### **Journal Reviewer**

- Pediatric Radiology [NLM ID: 0365332]: years 2004-2017
- Spinal Cord [NLM ID: 9609749]: year 2005
- Critical Care [NLM ID: 9801902]: year 2008
- Journal of Medical Imaging and Radiation Oncology [ NLM ID: 0047441]: year 2010
- Imaging in Medicine [NLM ID: 101485952]: year 2011
- Acta Paediatrica [NLM ID: 9205968]: year 2011
- Pediatrics [NLM ID: 0367422]: years 2012, 2015
- European Journal of Radiology [NLM ID: 8106411]: year 2014
- World Journal of Pediatrics [NLM ID: 101278599]: year 2015

## **ACADEMIC HISTORY**

### **ACADEMIC RANKS**

1. Assistant Professor. Department of Medical Imaging. University of Toronto. April 2001 – June 30, 2009
2. Associate Professor. Department of Medical Imaging. University of Toronto. July 1, 2009 to date

### **AWARDS/HONOURS**

#### **Teaching Awards**

1. Outstanding Teacher in the Fellowship Program, University of Toronto, Department of Medical Imaging's Award, Academic Year: July 1, 2004 to June 30, 2005
2. Excellence in Teaching Award, University of Toronto, Department of Medical Imaging Residency Program, Academic Year: July 1, 2005 to June 30, 2006
3. Excellence in Teaching Award, University of Toronto, Department of Medical Imaging Fellowship Program, Academic Year: July 1, 2006 to June 30, 2007
4. Excellence in Teaching Award, University of Toronto, Department of Medical Imaging Residency Program, Academic Year: July 1, 2007 to June 30, 2008
5. Excellence in Teaching Award, University of Toronto, Department of Medical Imaging Fellowship Program, Academic Year: July 1, 2009 to June 30, 2010
6. Excellence in Teaching Award, University of Toronto, Department of Medical Imaging Fellowship Program, Academic Year: July 1, 2010 to June 30, 2011
7. Excellence in Teaching Award, University of Toronto, Department of Medical Imaging Fellowship Program, Academic Year: July 1, 2012 to June 30, 2013
8. Excellence in Teaching Award, University of Toronto, Department of Medical Imaging Fellowship Program, Academic Year: July 1, 2013 to June 30, 2014
9. Excellence in Teaching Award, University of Toronto, Department of Medical Imaging Residency Program, Academic Year: July 1, 2013 to June 30, 2014
10. Excellence in Teaching Award, University of Toronto, Department of Medical Imaging Fellowship Program, Academic Year: July 1, 2014 to June 30, 2015
11. Excellence in Teaching Award, University of Toronto, Department of Medical Imaging Fellowship Program, Academic Year: July 1, 2015 to June 30, 2016

## **Research Awards**

1. 2001 Roentgen Resident/Fellow Research Award RSNA (Radiological Society of North America) Research and Education Foundation
2. Caffey Award for Outstanding Basic Science Research Poster “Imaging of the diaphragm in neonates and young infants, with special emphasis on diaphragmatic motion”, Society for Pediatric Radiology 2004
3. Certificate of Merit for Education Exhibit “Imaging the complications of bone marrow transplantation in children”, RSNA (Radiological Society of North America) 2005
4. Certificate of Merit for Education Exhibit “Renal Pyramids: high resolution sonography (HRS) of normal and pathologic processes”, RSNA (Radiological Society of North America) 2005
5. Certificate of Merit for Education Exhibit “Magnetic Resonance Imaging of Soft-Tissue Tumors and Tumor-like Lesions in Children: Radiologic-Pathologic Correlation”, RSNA (Radiological Society of North America) 2005
6. Walter Berdon Award for the outstanding Clinical Paper appearing in *Pediatric Radiology* in 2007 "Correlation of Sonographic Findings and Outcome in Necrotizing Enterocolitis", Society for Pediatric Radiology 2008
7. Cum Laude for Education Exhibit “Thyroid sonography in children with special focus on childhood cancer”, RSNA (Radiological Society of North America) 2008
8. Honorable Mention for Poster “Peritoneal Malignancy in Pediatrics: Spectrum of Imaging Findings”, Society for Pediatric Radiology 2009

## **TEACHING AND DESIGN**

1. Weekly Teaching Rounds “Pediatric Sonography” at the Department of Diagnostic Imaging, The Hospital for Sick Children. Design of rounds directed to radiology residents, pediatric radiology fellows, sonographers and observers
2. Annual Review Sessions on Pediatric Sonography at the Department of Diagnostic Imaging, The Hospital for Sick Children. Design of teaching sessions directed to University of Toronto PGY4 radiology residents as preparation for Radiology Boards
3. Continuing Medical Education. RSNA Education Portal, InteractED – Internet based CME, Cases of the Day from RSNA 2006, Obstetrics/Gynecology section  
[http://www2.rsna.org/search/RSNA\\_COD\\_CustomSearchAction.cfm?class=COD#Obstetrics/Gynecology](http://www2.rsna.org/search/RSNA_COD_CustomSearchAction.cfm?class=COD#Obstetrics/Gynecology)
4. Interactive lecture: “Gastrointestinal imaging in neonates and young infants”. Pediatrics Seminars for PGY2 and PGY3 Radiology Residents, Department of Medical Imaging, University of Toronto

5. Educational Programme of the Division of Gastroenterology, Hepatology and Nutrition, Department of Paediatrics, The Hospital for Sick Children. Annual lecture: "Imaging of the liver and pancreas". Academic years 2008-2009, 2009-2010, 2010-2011, 2011-2012, 2013-2014, 2014-2015, 2015-2016
6. Course Director. Pediatric Radiology Case-Based Resident Review Course. Department of Diagnostic Imaging, The Hospital for Sick Children and Department of Medical Imaging, University of Toronto. Toronto, Ontario. March 2-4, 2012
7. Course Director. Pediatric Radiology Case-Based Resident Review Course. Department of Diagnostic Imaging, The Hospital for Sick Children and Department of Medical Imaging, University of Toronto. Toronto, Ontario. March 9-10, 2013
8. Course Director. Paediatric Ultrasound CME. Ontario Association of Radiologists in conjunction with the Department of Diagnostic Imaging, The Hospital for Sick Children. Toronto, Ontario, September 20, 2014

## **SCHOLARLY WORK AND CREATIVE PROFESSIONAL ACTIVITY**

### **PUBLICATIONS**

#### **Scientific Peer Reviewed Papers - Published**

1. **Navarro O**, Daneman A, Alton DJ, Thorner P. Colo-colic intussusception associated with pneumatosis cystoides intestinalis. *Pediatr Radiol* 1998; 28: 515-517 (**Principal Author**)
2. **Navarro O**, Daneman A, Kooh SW. Asymmetric medullary nephrocalcinosis in two children. *Pediatr Radiol* 1998; 28: 687-690 (**Principal Author**)
3. Shilyansky J, **Navarro O**, Superina RA, Babyn PS, Filler RM, Pearl RH. Delayed hemorrhage after nonoperative management of blunt hepatic trauma in children: a rare but significant event. *J Pediatr Surg* 1999; 34: 60-64 (**Collaborator**)
4. **Navarro O**, Connolly B, Taylor G, Bägli D. Metanephric adenoma of the kidney: a case report. *Pediatr Radiol* 1999; 29: 100-103 (**Principal Author**)
5. Al-Alwan I, **Navarro O**, Daneman D, Daneman A. Clinical utility of adrenal ultrasonography in the diagnosis of congenital adrenal hyperplasia. *J Pediatr* 1999; 135: 71-75 (**Co-Principal Author**)
6. Kornecki A, Daneman A, **Navarro O**, Connolly B, Manson D, Alton DJ. Spontaneous reduction of intussusception: clinical spectrum, management and outcome. *Pediatr Radiol* 2000; 30: 58-63 (**Co-Principal Author**)
7. **Navarro O**, Nunez-Santos E, Daneman A, Faria P, Daltro P. Malignant peripheral nerve-sheath tumor arising in a previously irradiated neuroblastoma: report of 2 cases and a review of the literature. *Pediatr Radiol* 2000; 30: 176-180 (**Principal Author**)

8. Dugougeat F, **Navarro O**, Souza AS, Geary D, Daneman A. Multiple unilateral renal cysts in two children. *Pediatr Radiol* 2000; 30: 346-348 (**Co-Principal Author**)
9. **Navarro O**, Dugougeat F, Daneman A. Sonographic signs which characterize the gastrointestinal origin of abdominal neoplasms in children: 4 case reports. *Can Assoc Radiol Journal* 2000; 51: 250-253 (**Principal Author**)
10. **Navarro O**, Babyn PS, Pearl RH. The value of routine follow-up imaging in pediatric blunt liver trauma. *Pediatr Radiol* 2000; 30: 546-550 (**Principal Author**)
11. **Navarro O**, Dugougeat F, Kornecki A, Shuckett B, Alton DJ, Daneman A. The impact of imaging in the management of intussusception owing to pathologic lead points in children: a review of 43 cases. *Pediatr Radiol* 2000; 30: 594-603 (**Principal Author**)
12. Isuani BH, Lowe LH, Heller RM, Stein SM, Johnson J, **Navarro OM**, Hernanz-Schulman M. Pediatric renal masses: Wilms tumor and beyond. *RadioGraphics* 2000; 20: 1585-1603 (**Collaborator**)
13. García CJ, Espinoza A, Dinamarca V, **Navarro OM**, Daneman A, García H, Cattani A. Breast sonography in children and adolescents. *RadioGraphics* 2000; 20: 1605-1612 (**Collaborator**)
14. Daneman A, **Navarro O**. Intussusception. Part 1: a review of diagnostic approaches. *Pediatr Radiol* 2003; 33: 79-85 (**Co-Principal Author**)
15. Traubici J, Daneman A, **Navarro O**, Mohanta A, García C. Testicular torsion in neonates and infants: sonographic features in 30 infants. *AJR* 2003; 180: 1143-1145 (**Collaborator**)
16. Daneman A, **Navarro O**. Intussusception. Part 2: An update on the evolution of management. *Pediatr Radiol* 2004; 34: 97-108 (**Co-Principal Author**)
17. **Navarro O**, Daneman A. Intussusception. Part 3: Diagnosis and management of those with an identifiable or predisposing cause and those that reduce spontaneously. *Pediatr Radiol* 2004; 34: 305-312 (**Principal Author**)
18. **Navarro OM**, Daneman A, Chae A. Intussusception: the use of delayed, repeated reduction attempts and the management of intussusceptions due to pathologic lead points in pediatric patients. *AJR* 2004; 182: 1169-1176 (**Senior Responsible Author**)
19. **Navarro OM**, Daneman A, Miller S. Contrast enema depiction of small-bowel volvulus in complicated neonatal bowel obstruction. *Pediatr Radiol* 2004; 34: 1020-1023 (**Principal Author**)
20. Epelman M, **Navarro OM**, Daneman A, Miller SF. M-Mode sonography of diaphragmatic motion: description of technique and experience in 278 pediatric patients. *Pediatr Radiol* 2005; 35: 661-667 (**Senior Responsible Author**)
21. Gasparini FF, **Navarro OM**, Dasgupta R, Gerstle JT, Thorner PS, Manson DE. Ileocolic intussusception mimicking the imaging appearance of midgut volvulus as a result of extrinsic duodenal obstruction. *Pediatr Radiol* 2005; 35: 1246-1249 (**Senior Responsible Author**)



22. **Navarro OM**, Daneman A, Matzinger MA. Unilateral hyperechoic renal pyramids in a child with renal artery stenosis. *J Ultrasound Med* 2006; 25: 127-130 (**Principal Author**)
23. Epelman M, Daneman A, Blaser SI, Ortiz-Neira C, Konen O, Jarrín J, **Navarro OM**. Differential diagnosis of intracranial cystic lesions at head US: Correlation with CT and MR Imaging. *RadioGraphics* 2006; 26: 173-196 (**Collaborator**)
24. Chaudry G, **Navarro OM**, Levine DS, Oudjhane K. Abdominal manifestations of cystic fibrosis in children. *Pediatr Radiol* 2006; 36: 233-240 (**Senior Responsible Author**)
25. Orzech N, **Navarro OM**, Langer JC. Is ultrasonography a good screening test for intestinal malrotation? *J Pediatr Surg* 2006; 41: 1005-1009 (**Co-Principal Author**)
26. Cook A, Khoury A, Kader K, Hébert D, **Navarro O**, Pippi-Salle J, Farhat W. Does peak systolic velocity correlate with renal artery stenosis in a pediatric renal transplant population? *Pediatr Transplant* 2006; 10: 608-612 (**Collaborator**)
27. Silva CT, Daneman A, **Navarro OM**, Moore AM, Moineddin R, Gerstle JT, Mittal A, Brindle M, Epelman M. Correlation of sonographic findings and outcome in necrotizing enterocolitis. *Pediatr Radiol* 2007; 37: 274-282 (**Co-Principal Author**)
28. Epelman M, Daneman A, **Navarro OM**, Morag I, Moore AM, Kim JH, Faingold R, Taylor G, Gerstle JT. Necrotizing enterocolitis: review of state-of-the-art imaging findings with pathologic correlation. *RadioGraphics* 2007; 27: 285-305 (**Co-Principal Author**)
29. Levine DS, **Navarro OM**, Chaudry G, Doyle JJ, Blaser SI. Imaging the complications of bone marrow transplantation in children. *RadioGraphics* 2007; 27: 307-324 (**Senior Responsible Author**)
30. Chavhan GB, Parra DA, Mann A, **Navarro OM**. Normal Doppler spectral waveforms of major pediatric vessels: specific patterns. *RadioGraphics* 2008; 28: 691-706 (**Senior Responsible Author**)
31. Parra DA, **Navarro OM**. Sonographic diagnosis of intestinal polyps in children. *Pediatr Radiol* 2008; 38: 680-684 (**Senior Responsible Author**)
32. Dave S, Farhat WA, Pace K, **Navarro O**, Hébert D, Khoury AE. Effect of donor pneumoperitoneum on early allograft perfusion following renal transplantation in pediatric patients: an intraoperative Doppler ultrasound study. *Pediatr Transplant* 2008; 12: 522-526 (**Collaborator**)
33. Lavoratore SR, **Navarro OM**, Grunebaum E, Ali M, Koo A, Schechter T, Gassas A, Doyle J, Dupuis LL. Cyclosporine-induced pain syndrome in a child undergoing hematopoietic stem cell transplant. *Ann Pharmacother* 2009; 43: 767-771 (**Collaborator**)
34. **Navarro OM**, Laffan EE, Ngan BY. Pediatric soft tissue tumors and pseudo-tumors: MR imaging features with pathologic correlation: part 1. Imaging approach, pseudotumors, vascular lesions and adipocytic tumors. *RadioGraphics* 2009; 29: 887-906 (**Principal Author**)

35. Laffan EE, Ngan BY, **Navarro OM**. Pediatric soft tissue tumors and pseudo-tumors: MR imaging features with pathologic correlation: part 2. Tumors of fibroblastic/myofibroblastic, so-called fibrohistiocytic, muscular, lymphomatous, neurogenic, hair matrix and uncertain origin. *RadioGraphics* 2009; 29: e36 (**Senior Responsible Author**)
36. Alotaibi MO, **Navarro OM**. Imaging of ovarian teratomas in children: a 9-year review. *Can Assoc Radiol J* 2010; 61: 23-28 (**Senior Responsible Author**)
37. Jha P, Frölich AM, McCarville B, **Navarro OM**, Babyn P, Goldsby R, Daldrup-Link H. Unusual association of alveolar rhabdomyosarcoma with pancreatic metastasis: emerging role of PET-CT in tumor staging. *Pediatr Radiol* 2010; 40: 1380-1386 (**Collaborator**)
38. Schechter T, Liebman M, Gassas A, Ngan BY, **Navarro OM**. BK virus-associated hemorrhagic cystitis presenting as mural nodules in the urinary bladder after hematopoietic stem cell transplantation. *Pediatr Radiol* 2010; 40: 1430-1433 (**Senior Responsible Author**)
39. Daneman A, **Navarro OM**, Somers GR, Mohanta A, Jarrín JR, Traubici J. Renal pyramids: focused sonography of normal and pathologic processes. *RadioGraphics* 2010; 30: 1287-1307 (**Co-Principal Author**)
40. Avula S, Daneman A, **Navarro OM**, Moineddin R, Urbach S, Daneman D. Incidental thyroid abnormalities identified on neck US for non-thyroid disorders. *Pediatr Radiol* 2010; 40: 1774-1780 (**Collaborator**)
41. Hong TS, Shammas A, **Navarro OM**, Punnett A. Osteonecrosis in an adolescent with non-Hodgkin lymphoma resembling a new metastatic lesion on (18)F-FDG PET/CT. *Pediatr Radiol* 2010; 40 Suppl 1: 27-29 (**Collaborator**)
42. Kraft JK, Brandão LR, **Navarro OM**. Sonography of renal venous thrombosis in neonates and infants: can we predict outcome? *Pediatr Radiol* 2011; 41:299-307 (**Senior Responsible Author**)
43. Ooi CY, Brody D, Wong R, Moroz S, Ngan BY, **Navarro OM**, Fecteau A, Grant D, Ng VL. Liver transplantation for massive hepatic lymphangiomatosis in a child. *J Pediatr Gastroenterol Nutr* 2011; 52: 366-369 (**Collaborator**)
44. Tang V, Daneman A, **Navarro OM**, Miller SF, Gerstle JT. Internal hernias in children: spectrum of clinical and imaging findings. *Pediatr Radiol* 2011;41:1559-1568 (**Collaborator**)
45. French AE, Irwin MS, **Navarro OM**, Greenberg M, Nathan PC. Long-term hepatic outcomes in survivors of stage 4S and 4 neuroblastoma in infancy. *Pediatr Blood Cancer* 2012;58:283-288 (**Collaborator**)
46. Williamson ZC, Epelman M, Daneman A, Victoria T, Chauvin N, Oudjhane K, **Navarro OM**. Imaging of the inguinal canal in children. *Curr Probl Diagn Radiol* 2013; 42:164-179 (**Collaborator**)
47. Tang V, Daneman A, **Navarro OM**, Gerstle JT. Disorders of midgut rotation: making the correct diagnosis on UGI series in difficult cases. *Pediatr Radiol* 2013; 43:1093-1102 (**Collaborator**)

48. Ahmed TS, Chavhan GB, **Navarro OM**, Traubici J. Imaging features of pancreatic tumors in children: 13-year experience at a pediatric tertiary hospital. *Pediatr Radiol* 2013; 43:1435-1443 (**Collaborator**)
49. Silva CT, Daneman A, **Navarro OM**, Moineddin R, Levine D, Moore AM. A prospective comparison of intestinal sonography and abdominal radiographs in a neonatal intensive care unit. *Pediatr Radiol* 2013; 43: 1453-1463 (**Collaborator**)
50. Yikilmaz A, Hall NJ, Daneman A, Gerstle JT, **Navarro OM**, Moineddin R, Pleasants H, Pierro A. Prospective evaluation of the impact of sonography on the management and surgical intervention of neonates with necrotizing enterocolitis. *Pediatr Surg Int* 2014; 30: 1231-1240 (**Collaborator**)
51. Yikilmaz A, Ngan BY, **Navarro OM**. Imaging of childhood angiomatoid fibrous histiocytoma with pathological correlation. *Pediatr Radiol* 2015; 45: 1796-1802 (**Senior Responsible Author**)
52. Ahmad TM, Greer ML, Walters TD, **Navarro OM**. Bowel sonography and MR enterography in children. *AJR Am J Roentgenol* 2016; 206: 173-181 (**Senior Responsible Author**)
53. **Navarro OM**. Magnetic resonance imaging of pediatric soft-tissue vascular anomalies. *Pediatr Radiol* 2016; 46: 891-901 (**Senior Responsible Author**)
54. Koltin D, O’Gorman CS, Murphy A, Ngan B, Daneman A, **Navarro OM**, García C, Atenafu EG, Wasserman JD, Hamilton J, Rachmiel M. Pediatric thyroid nodules: ultrasonographic characteristics and inter-observer variability in prediction of malignancy. *J Pediatr Endocrinol Metab* 2016; 29: 789-794 (**Collaborator**)
55. Kuint RC, Daneman A, **Navarro OM**, Oates A. Sonographic bands of hypoechogenicity in the spleen in children: zebra spleen. *AJR Am J Roentgenol* 2016; 207: 648-652 (**Collaborator**)
56. James KM, Bogue CO, Murphy AJ, **Navarro OM**. Peritoneal malignancy in children: a pictorial review. *Can Assoc Radiol J* 2016; 67:402-408 (**Senior Responsible Author**)
57. Sheybani EF, Eutsler EP, **Navarro OM**. Fat-containing soft-tissue masses in children. *Pediatr Radiol* 2016; 46: 1760-1773 (**Senior Responsible Author**)
58. AlSabban Z, Church P, Moineddin R, **Navarro OM**, Greer ML, Walters T, Chavhan GB. Accuracy and interobserver agreement of diffusion-weighted imaging in pediatric inflammatory bowel disease. *Clin Imaging* 2017; 41: 14-22 (**Collaborator**)

### **Non-Peer Reviewed Papers**

#### **Articles**

1. **Navarro O**, Daneman A. Echogenic pyramids in children. *Yearbook of Pediatric Radiology*, Miskolc, Hungary 1998; 10: 3-10, 1998 (**Principal Author**)

2. Cohen E, **Navarro OM**, Reynolds E, Schwartz RP, Venkataramani P. Index of suspicion. *Pediatr Rev* 2007; 28: 419-425 (**Collaborator**)
3. Daneman A, **Navarro OM**. Common pitfalls in paediatric abdominal imaging. *Pediatr Radiol* 2009; 39 (Suppl 3): S369-371 (**Co-Principal Author**)
4. **Navarro OM**. Imaging of benign pediatric soft tissue tumors. *Semin Musculoskelet Radiol* 2009; 13: 196–209 (**Principal Author**)
5. **Navarro OM**, Parra D. Pediatric musculoskeletal ultrasound. *Ultrasound Clin* 2009; 4: 457-470 (**Principal Author**)
6. Balassy C, **Navarro OM**, Daneman A. Adrenal masses in children. *Radiol Clin North Am* 2011; 49: 711-727 (**Collaborator**)
7. **Navarro OM**. Soft tissue masses in children. *Radiol Clin North Am* 2011; 49:1235-1259 (**Principal Author**)

### **Book Chapters**

1. **Navarro O**, Epelman M. Liver trauma. In: Carty H, Brunelle F, Stringer DA, Kao SC. *Imaging Children*, 2<sup>nd</sup> edition, 2005. Elsevier, Edinburgh, vol. 2, pp 1593-1597 (**Principal Author**)
2. Daneman A, **Navarro O**, Haller JO. The adrenal and retroperitoneum. In: Slovis TL. *Caffey's Pediatric Diagnostic Imaging*, 11<sup>th</sup> edition, 2008. Mosby, Philadelphia, vol. 2, pp 2214-2233 (**Co-Principal Author**)
3. **Navarro OM**, Daneman A. Adrenal and retroperitoneum. Congenital and neonatal conditions. In: Coley BD. *Caffey's Pediatric Diagnostic Imaging*, 12<sup>th</sup> edition, 2013. Elsevier Saunders, Philadelphia, vol. 2, pp 1274-1279 (**Principal Author**)
4. **Navarro OM**, Daneman A. Adrenal and retroperitoneum. Acquired conditions. In: Coley BD. *Caffey's Pediatric Diagnostic Imaging*, 12<sup>th</sup> edition, 2013. Elsevier Saunders, Philadelphia, vol. 2, pp 1280-1284 (**Principal Author**)

### **Letters to the Editor**

1. Dugougeat F, **Navarro O**, Daneman A. The role of sonography in children with abdominal pain after recent successful reduction of intussusception. *Pediatr Radiol* 30: 654, 2000 (**Co-Principal Author**)
2. Daneman A, **Navarro O**. Intussusception: the debate endures. *Pediatr Radiol* 35: 95-96, 2005 (**Co-Principal Author**)
3. **Navarro OM**, Daneman A. RE: Intussusception due to pathologic lead points. *Australas Radiol* 49: 88, 2005 (**Principal Author**)

4. Daneman A, **Navarro OM**, Silva CT. Reply (RE: Sonographic findings and outcome in necrotizing enterocolitis). *Pediatr Radiol* 37: 1181, 2007 (**Co-Principal Author**)
5. Saxena AK, Daneman A, **Navarro OM**, Epelman M, Moore AM, Gerstle JT. Significance of absent bowel perfusion in patients with necrotizing enterocolitis. *RadioGraphics* 28: 319-320, 2008 (**Collaborator**)

## **SCIENTIFIC PRESENTATIONS**

### **Oral Presentations**

1. **Navarro O**, Arce JD, García CJ. Ureteroceles ortotópicos en niños: aspectos radiológicos (Orthotopic ureteroceles in children: radiologic features). Jornadas Nacionales de Radiología, Viña del Mar, Chile, October 1994
2. **Navarro O**, Daneman A, Kooh SW. Asymmetric medullary nephrocalcinosis in two children. 35<sup>th</sup> Congress of the European Society of Paediatric Radiology, Rhodes, Greece, May 1998
3. **Navarro O**, Al-Alwan I, Daneman D, Daneman A. Clinical utility of adrenal ultrasound in the diagnosis of congenital adrenal hyperplasia. 35<sup>th</sup> Congress of the European Society of Paediatric Radiology, Rhodes, Greece, May 1998
4. **Navarro O**, Babyn PS, Pearl RH. The value of routine follow-up imaging in pediatric blunt liver trauma. Radiological Society of North America 84<sup>th</sup> Scientific Assembly, Chicago, Illinois, USA, December 1998
5. **Navarro O**, Dugougeat F, Lobo E, Daneman A, Shuckett B, Alton DJ. The management and outcome of intussusception due to pathologic lead points in children. 36<sup>th</sup> Congress of the European Society of Paediatric Radiology, Jerusalem, Israel, May 1999
6. **Navarro O**, Nunez-Santos E, Daneman A, Faria P, Daltro P. Malignant peripheral nerve sheath tumor arising in a ganglioneuroma in two children. 36<sup>th</sup> Congress of the European Society of Paediatric Radiology, Jerusalem, Israel, May 1999
7. Traubici J, **Navarro O**, Mohanta A, García C, Khoury A, Daneman A. Testicular torsion in neonates and infants: a review of the sonographic features in 25 patients. 37<sup>th</sup> Congress of the European Society of Paediatric Radiology, Lisbon, Portugal, May 2000
8. **Navarro O**, Epelman M. The utility of B-mode and M-mode sonography in the assessment of diaphragmatic motion in children. 39<sup>th</sup> Congress of the European Society of Paediatric Radiology, Bergen, Norway, June 2002
9. Amaral J, Clarke J, Daneman A, Traubici J, Mohanta A, **Navarro O**. "In vitro" experiment designed to explain lack of sonographic visualization of catheters "in vivo". 46<sup>th</sup> Annual Meeting of the Society for Pediatric Radiology, San Francisco, California, USA, May 2003. *Pediatr Radiol* 2003; 33 (Suppl 1): S90

10. **Navarro O**, Daneman A, Chae A. An audit of intussusception management in a tertiary pediatric hospital: a 3.5-year experience. 40<sup>th</sup> Annual Congress of the European Society of Paediatric Radiology, Genoa, Italy, June 2003. *Pediatr Radiol* 2003; 33 (Suppl 2): S38
11. **Navarro OM**, Daneman A, Miller S. Small bowel volvulus in complicated meconium ileus: demonstration on contrast enema. 41st Annual Congress of the European Society of Paediatric Radiology, Heidelberg, Germany, June 2004. *Pediatr Radiol* 2004; 34 (Suppl 2): S117
12. Levine DS, **Navarro O**. Neutropenic colitis with appendiceal thickening – red flag or red herring? 42nd Annual Congress of the European Society of Paediatric Radiology, Dublin, Ireland, June 2005. *Pediatr Radiol* 2005; 35 (Suppl 2): S100-101
13. Gasparini FF, **Navarro O**, Dasgupta R, Gerstle T, Thorner P, Manson DE. Ileocolic intussusception causing duodenal obstruction mimicking the imaging appearance of malrotation complicated with volvulus. 42nd Annual Congress of the European Society of Paediatric Radiology, Dublin, Ireland, June 2005. *Pediatr Radiol* 2005; 35 (Suppl 2): S101
14. Orzech N, **Navarro O**, Langer JC. Is Ultrasound a Good Screening Test for Intestinal Malrotation? 37th Annual Meeting of the Canadian Association of Paediatric Surgeons, Quebec City, Québec, Canada, September 2005
15. Silva C, Daneman A, Moore A, **Navarro O**, Brindle M, Moineddin R, Gerstle JT, Epelman M, Mittal A. Correlation of sonographic findings and outcome in necrotizing enterocolitis. The International Pediatric Radiology 5<sup>th</sup> Conjoint Meeting, Montréal, Québec, Canada, May 2006. *Pediatr Radiol* 2006; 36 (Suppl 1): S69
16. Silva CT, Daneman A, **Navarro OM**, Faingold R, Epelman M. Comparison of accuracy of radiographs and ultrasound for detection of free intraperitoneal gas in neonates with necrotizing enterocolitis. 50<sup>th</sup> Annual Meeting of the Society for Pediatric Radiology, Miami, Florida, USA, April 2007. *Pediatr Radiol* 2007; 37 (Suppl 1): S52
17. Parra D, **Navarro O**. Sonographic diagnosis of intestinal polyps in children. 44<sup>th</sup> Annual Meeting of the European Society of Paediatric Radiology, Barcelona, Spain, June 2007. *Pediatr Radiol* 2007; 37 (Suppl 2): S132-133
18. **Navarro O**, Parra D, Somers G. GLUT-1 negative liver hemangiomas. 44<sup>th</sup> Annual Meeting of the European Society of Paediatric Radiology, Barcelona, Spain, June 2007. *Pediatr Radiol* 2007; 37 (Suppl 2): S135
19. Kraft JK, **Navarro OM**, Brandão L. Sonography of renal vein thrombosis in neonates and infants. 45<sup>th</sup> Annual Meeting of the European Society of Paediatric Radiology, Edinburgh, Scotland, June 2008. *Pediatr Radiol* 2008; 38 (Suppl 3): S563
20. Mott D, Hong T, Biederman J, **Navarro O**, Jones S, Soboleski D. Negative association between age and distance of radiologic transition zone from anus in patients with Hirschsprung's disease. Canadian Association of Radiologists 72<sup>nd</sup> Annual Scientific Meeting, Montréal, Québec, Canada, April 2009
21. Kapur J, **Navarro OM**, Bin-Hussain F, Thomas K, Daneman A. Estimation of effective dose for fluoroscopic pneumatic intussusception reduction in modern practice. 46<sup>th</sup> Annual

Meeting of the European Society of Paediatric Radiology, Istanbul, Turkey, June 2009. *Pediatr Radiol* 2009; 39 (Suppl 3): S513

22. Alotaibi MO, **Navarro O**. Imaging of ovarian teratoma in children: a 9-year review. 46<sup>th</sup> Annual Meeting of the European Society of Paediatric Radiology, Istanbul, Turkey, June 2009. *Pediatr Radiol* 2009; 39 (Suppl 3): S520
23. Avula S, Daneman A, **Navarro OM**, Moineddin R, Urbach S, Daneman D. Incidental thyroid abnormalities identified on neck ultrasound for non thyroid disorders. 46<sup>th</sup> Annual Meeting of the European Society of Paediatric Radiology, Istanbul, Turkey, June 2009. *Pediatr Radiol* 2009; 39 (Suppl 3): S538
24. Hong T, Mott DD, Biederman JLM, **Navarro Kunstmann OM**, Jones S, Soboleski DA. Negative association between age and distance of radiologic transition zone from anus in patients with Hirschprung's disease. Radiological Society of North America 95<sup>th</sup> Scientific Assembly, Chicago, Illinois, USA, November-December 2009
25. Tang V, Daneman A, **Navarro O**, Gerstle JT. Midgut malrotation in children with a so-called "normal" duodenojejunal flexure. 47<sup>th</sup> Annual Meeting of the European Society of Paediatric Radiology, Bordeaux, France, June 2010. *Pediatr Radiol* 2010; 40: 1092
26. Stein NR, Daneman A, **Navarro O**. Suprarenal masses in newborns and infants: imaging characteristics, clinical correlation and follow-up. 2011 International Paediatric Radiology Congress, the Joint Societies of Paediatric Radiology 6<sup>th</sup> Congress and Exhibition, London, U.K., May 2011. *Pediatr Radiol* 2011; 41 (Suppl 1): S304-305
27. Silva C, Daneman A, **Navarro O**, Moineddin R, Levine D, Moore A. Comparison of intestinal sonography and abdominal radiographs in a neonatal intensive care unit. 50<sup>th</sup> Annual Meeting of the European Society of Paediatric Radiology, Budapest, Hungary, June 2013. *Pediatr Radiol* 2013; 43 (Suppl 3): S567
28. Ahmad TM, **Navarro OM**, Greer M. Correlation between bowel ultrasound and magnetic resonance enterography in children. Radiological Society of North America 99<sup>th</sup> Scientific Assembly, Chicago, Illinois, USA, December 2013
29. Green J, Amaral J, Hopyan S, Somers G, **Navarro O**, John P. Fibroadipose vascular anomaly (FAVA): early experience with a newly recognised vascular anomaly in children. ISSVA 20<sup>th</sup> International Workshop on Vascular Anomalies, Melbourne, Australia, April 2014
30. Yikilmaz A, Hall NJ, Daneman A, Gerstle TJ, **Navarro OM**, Moineddin R, Pleasants H, Pierro A. Prospective evaluation of impact of sonography on management and surgical intervention in neonates with necrotizing enterocolitis. XXVII International Symposium on Paediatric Surgical Research, Toronto, Ontario, Canada, September 2014
31. Trout A, Chow J, McNamara E, Darge K, Ramirez R, Munden M, Rothan S, **Navarro O**, Tijerin Bueno M, Bove K, Chikwava K, Heider A, Hicks J, Somers G, Zhang B, Dillman J. Large multicenter study of the association between testicular microlithiasis and testicular neoplasia in a pediatric population. The International Paediatric Radiology 7<sup>th</sup> Conjoint Meeting & Exhibition, Chicago, Illinois, USA, May 2016. *Pediatr Radiol* 2016; 46 (Suppl 1): S372-373

32. Ahyad R, Lam C, Shearkhani O, **Navarro O**. Incidental splenic masses detected during MRI evaluation for iron overload in children. The International Pediatric Radiology 7<sup>th</sup> Conjoint Meeting & Exhibition, Chicago, Illinois, USA, May 2016. *Pediatr Radiol* 2016; 46 (Suppl 1): S182

### **Educational Exhibits (Posters and electronic presentations)**

1. **Navarro O**, Mandujano A, Andrade J. Instalación endoscópica de prótesis en neoplasias de vía biliar (Endoscopic placement of stents in biliary tract neoplasms). Jornadas Científicas del Hospital Militar, Santiago, Chile, 1991
2. García C, **Navarro O**, Mohanta A, Daneman A. Sonography in the study of thyroid disorders in children and adolescents. 35<sup>th</sup> Congress of the European Society of Paediatric Radiology, Rhodes, Greece, May 1998
3. García C, Hernández C, Daneman A, **Navarro O**, Daza C. La ultrasonografía en el estudio de patología tiroidea de niños y adolescentes (Sonography in the study of thyroid pathology in children and adolescents). Jornadas Nacionales de Radiología, Sociedad Chilena de Radiología A.G., Valdivia, Chile, October-November 1998
4. García C, Daneman A, Espinoza A, Dinamarca V, **Navarro O**, Navarro ME, García H, Cattani A, Daneman D. Breast sonography in children and adolescents. 36<sup>th</sup> Congress of the European Society of Paediatric Radiology, Jerusalem, Israel, May 1999
5. García C, **Navarro O**, Espinoza A, Dinamarca V, Daneman A, Navarro ME, García H, Cattani A. Breast sonography in children and adolescents. Radiological Society of North America 85<sup>th</sup> Scientific Assembly, Chicago, Illinois, USA, November-December 1999
6. DeGiorgio J, **Navarro O**. The art of neurosonography. Advanced pediatric ultrasound, second annual course. The Michener Institute for Applied Health Sciences, Toronto, Canada, March 2000
7. Jarrín J, Daneman A, Babyn PS, Epelman MS, **Navarro OM**. Ultrasound of the neonatal brain: a comprehensive illustrated guide – a multimedia CD-ROM-based teaching file. Radiological Society of North America 89<sup>th</sup> Scientific Assembly, Chicago, Illinois, USA, November-December, 2003
8. Epelman M, **Navarro O**, Miller SF. Imaging of the diaphragm in neonates and young infants, with special emphasis on diaphragmatic motion. Society for Pediatric Radiology 47<sup>th</sup> Annual Meeting, Savannah, Georgia, USA, April-May 2004
9. Ortiz C, **Navarro O**, Oudjhane K, Fontalvo L, Chiu P, Daneman A. Current imaging approach to duodenal pathology in children. Radiological Society of North America 90<sup>th</sup> Scientific Assembly, Chicago, Illinois, USA, November-December 2004
10. Daneman A, **Navarro O**, Mohanta A, Jarrin J, Nemati E, Gasparini F. Renal pyramids: high resolution sonography (HRS) of normal and pathologic processes. 48<sup>th</sup> Annual Meeting of the Society for Pediatric Radiology, New Orleans, Louisiana, USA, May 2005



11. Gasparini FF, **Navarro O**, Dasgupta R, Gerstle T, Thorner P, Manson DE. Ileocolic intussusception causing duodenal obstruction mimicking the imaging appearance of malrotation complicated with volvulus. 42nd Annual Congress of the European Society of Paediatric Radiology, Dublin, Ireland, June 2005
12. Levine DS, **Navarro OM**, Chaudry G, Blaser S. Imaging the complications of bone marrow transplantation in children. 42nd Annual Congress of the European Society of Paediatric Radiology, Dublin, Ireland, June 2005
13. Chaudry G, **Navarro O**, Levine D, Oudjhane K. Abdominal manifestations of cystic fibrosis in children. 42nd Annual Congress of the European Society of Paediatric Radiology, Dublin, Ireland, June 2005
14. Daneman A, **Navarro O**, Mohanta A, Jarrin J, Nemati E, Gasparini F. Renal pyramids: high resolution sonography (HRS) of normal and pathologic processes. 42nd Annual Congress of the European Society of Paediatric Radiology, Dublin, Ireland, June 2005
15. Levine DS, **Navarro OM**, Chaudry G, Blaser S. Imaging the complications of bone marrow transplantation in children. Radiological Society of North America 91st Scientific Assembly, Chicago, Illinois, USA, November-December 2005 (AWARD WINNER)
16. Daneman A, **Navarro O**, Mohanta A, Jarrin J, Nemati E, Gasparini F. Renal pyramids: high resolution sonography (HRS) of normal and pathologic processes. Radiological Society of North America 91st Scientific Assembly, Chicago, Illinois, USA, November-December 2005 (AWARD WINNER)
17. Laffan E, Ngan BY, **Navarro O**. Magnetic resonance imaging of soft-tissue tumors and tumor-like lesions in children: radiologic-pathologic correlation. Radiological Society of North America 91st Scientific Assembly, Chicago, Illinois, USA, November-December 2005 (AWARD WINNER)
18. Brody D, Moroz S, Phillips J, **Navarro O**, Fecteau AH, Grant D, Jones N, Ling S, Ng VL. Liver transplantation for massive hepatic lymphangiomatosis in a child. NASPGHAN (North American Society for Pediatric Gastroenterology, Hepatology and Nutrition) Annual Meeting, Orlando, Florida, USA, October 2006.
19. Chavhan G, Parra D, Mann A, **Navarro O**. Doppler spectral waveforms of all major vessels in the pediatric body: a pictorial essay. Radiological Society of North America 92nd Scientific Assembly, Chicago, Illinois, USA, November-December 2006 (AWARD WINNER)
20. McInnes MDF, **Navarro OM**, Toi A, Fong K. Obstetrical imaging case of the day. Case 5. Radiological Society of North America 92nd Scientific Assembly, Chicago, Illinois, USA, November-December 2006
21. Silva CT, Daneman A, **Navarro OM**, Moore AM, Moineddin R, Gerstle JT, Mittal A, Brindle M, Epelman M. Correlation of sonographic findings and outcome in necrotizing enterocolitis. 50<sup>th</sup> Annual Meeting of the Society for Pediatric Radiology, Miami, Florida, USA, April 2007. *Pediatr Radiol* 2007; 37 (Suppl 1): S52

22. Raabe AL, **Navarro OM**. M-mode sonography of diaphragmatic motion: evaluation of normal movement in pediatric patients. 45<sup>th</sup> Annual Meeting of the European Society of Paediatric Radiology, Edinburgh, Scotland, June 2008. *Pediatr Radiol* 2008; 38 (Suppl 3): S575
23. Kraft J, Avula S, **Navarro OM**, Daneman D, Daneman A. Thyroid sonography in children with special focus on childhood cancer. Radiological Society of North America 94<sup>th</sup> Scientific Assembly, Chicago, Illinois, USA, November-December 2008 (AWARD WINNER)
24. Bogue CO, **Navarro OM**. Peritoneal malignancy in pediatrics: spectrum of imaging findings. 52<sup>nd</sup> Annual Meeting of the Society for Pediatric Radiology, San Diego, California, USA, April 2009. *Pediatr Radiol* 2009; 39 (Suppl 2): S316 (AWARD WINNER)
25. John P, **Navarro O**, Amaral J, Parra D. Vascular anomalies made easy. 46<sup>th</sup> Annual Meeting of the European Society of Paediatric Radiology, Istanbul, Turkey, June 2009. *Pediatr Radiol* 2009; 39 (Suppl 3): S566
26. Castro D, **Navarro O**. Pilomatricoma in children: imaging findings. International Symposium on Pediatric Radiology, Rio de Janeiro, Brazil, July 2009
27. Fröhlich AMJ, Jha P, McCarville B, **Navarro O**, Babyn P, Goldsby R, Daldrup-Link H. Alveolar rhabdomyosarcoma with pancreatic metastasis: not an uncommon scenario. 22<sup>nd</sup> European Congress of Radiology, European College of Radiology, Vienna, Austria, March 2010
28. García C, de Barbieri F, **Navarro O**, Parra D, Parra R, Berríos C. Unexpected locations and complications of intravascular catheters, tubes, shunts and other devices in children. Role of diagnostic imaging and management. 47<sup>th</sup> Annual Meeting of the European Society of Paediatric Radiology, Bordeaux, France, June 2010. *Pediatr Radiol* 2010; 40: 1150
29. de Barbieri F, Berríos C, **Navarro O**, García C. The hand as an indicator of systemic diseases in children. 47<sup>th</sup> Annual Meeting of the European Society of Paediatric Radiology, Bordeaux, France, June 2010. *Pediatr Radiol* 2010; 40: 1152-1153
30. de Barbieri F, **Navarro O**, Toledo C, Parra R, Berríos C, García C. The so-called osteochondrosis: a group of different clinical entities. Imaging findings in children and adolescents; the eponyms. 47<sup>th</sup> Annual Meeting of the European Society of Paediatric Radiology, Bordeaux, France, June 2010. *Pediatr Radiol* 2010; 40: 1156
31. Oates A, Manson D, Traubici J, **Navarro O**, Shammass A, Koplewitz B, Spiegel M. Rates of non-diagnostic CT scans versus ventilation/perfusion (V/Q) scans in the diagnosis of pediatric pulmonary emboli. 2011 International Paediatric Radiology Congress, the Joint Societies of Paediatric Radiology 6th Congress and Exhibition, London, United Kingdom, May 2011. *Pediatr Radiol* 2011; 41 (Suppl 1):S316
32. Castro D, **Navarro O**. Pilomatricoma in children: imaging findings. 2011 International Paediatric Radiology Congress, the Joint Societies of Paediatric Radiology 6th Congress and Exhibition, London, United Kingdom, May 2011. *Pediatr Radiol* 2011; 41 (Suppl 1):S387
33. **Navarro O**, Ngan BY. MRI of angiomatoid fibrous histiocytoma with pathologic correlation. 2011 International Paediatric Radiology Congress, the Joint Societies of Paediatric Radiology

6th Congress and Exhibition, London, United Kingdom, May 2011. *Pediatr Radiol* 2011; 41 (Suppl 1):S388-389

34. Trottier L, **Navarro O**, Chavhan G, Mohanta A. Transcranial Doppler (TCD) in children: technique and clinical applications. 2011 International Paediatric Radiology Congress, the Joint Societies of Paediatric Radiology 6th Congress and Exhibition, London, United Kingdom, May 2011. *Pediatr Radiol* 2011; 41 (Suppl 1):S403
35. Stein NR, Daneman A, **Navarro OM**. Suprarenal masses (SRM) in neonates and infants: correlation of the spectrum of imaging findings with final diagnosis. Radiological Society of North America 97<sup>th</sup> Scientific Assembly and Annual Meeting, Chicago, Illinois, USA, November-December 2011
36. **Navarro OM**, Somers GR. Sonographic features of juvenile xanthogranuloma. 50<sup>th</sup> Annual Meeting of the European Society of Paediatric Radiology, Budapest, Hungary, June 2013. *Pediatr Radiol* 2013; 43 (Suppl 3): S634
37. Sheybani EF, **Navarro OM**. Imaging of fat-containing soft tissue masses in children. 51<sup>st</sup> Annual Meeting of the European Society of Paediatric Radiology, Amsterdam, The Netherlands, June 2014. *Pediatr Radiol* 2014; 44 (Suppl 2): S375-376
38. Caro-Domínguez P, **Navarro OM**. Imaging features of tumours of the foot in children: review of 162 cases. 52<sup>nd</sup> Annual Meeting of the European Society of Paediatric Radiology, Graz, Austria, June 2015. *Pediatr Radiol* 2015; 45 (Suppl 2): S247-248
39. Pérez M, **Navarro OM**. Hallazgos radiográficos asociados al gen de crecimiento SHOX (Radiologic findings associated to the SHOX growth gene). 18<sup>th</sup> Meeting of the Latin American Society of Pediatric Radiology (SLARP), Santiago, Chile, October 15-17, 2015
40. Ng E, Murray D, **Navarro O**, Stimec J. Simulation workshop for medical emergencies and patient safety concerns in pediatric radiology. 8<sup>th</sup> International Pediatric Simulation Symposium and Workshops, Glasgow, Scotland, UK, May 2016
41. Tijerin Bueno M, Martinez-Rios C, Daneman A, De La Puente Gregorio A, **Navarro O**. What they never teach us: unusual tumors and tumor-like conditions in scrotal ultrasound. The International Pediatric Radiology 7<sup>th</sup> Conjoint Meeting & Exhibition, Chicago, Illinois, USA, May 2016. *Pediatr Radiol* 2016; 46 (Suppl 1): S243
42. Martinez-Rios C, Tijerin Bueno M, Ahmad T, Oudjhane K, **Navarro O**. Sonographic findings in pediatric liver transplant: a must know summary for radiology residents and fellows. The International Pediatric Radiology 7<sup>th</sup> Conjoint Meeting & Exhibition, Chicago, Illinois, USA, May 2016. *Pediatr Radiol* 2016; 46 (Suppl 1): S263-264
43. Perez M, **Navarro O**. Radiological features in patients with short stature homeobox-containing (SHOX) gene deficiency. The International Pediatric Radiology 7<sup>th</sup> Conjoint Meeting & Exhibition, Chicago, Illinois, USA, May 2016. *Pediatr Radiol* 2016; 46 (Suppl 1): S288-289
44. Ng E, Murray D, **Navarro O**, Stimec J. Simulation workshop for medical emergencies and patient safety concerns in pediatric radiology. The International Pediatric Radiology 7<sup>th</sup>

Conjoint Meeting & Exhibition, Chicago, Illinois, USA, May 2016. *Pediatr Radiol* 2016; 46 (Suppl 1): S314

45. Alsabban ZE, **Navarro OM**, Tijerin-Bueno M, Chavhan GB, Manson DE. MRI of pediatric chest wall masses. *Radiological Society of North America 102<sup>nd</sup> Scientific Assembly and Annual Meeting*, Chicago, Illinois, USA, November-December 2016

## **INVITED LECTURES**

### **Local Lectures**

1. Lecturer. Educational program of the Division of Gastroenterology, Hepatology and Nutrition, Department of Paediatrics, The Hospital for Sick Children and the University of Toronto. Toronto, December 9, 2009:  
- “Imaging of the Liver and Pancreas”
2. Lecturer. Educational program of the Division of Gastroenterology, Hepatology and Nutrition, Department of Paediatrics, The Hospital for Sick Children and the University of Toronto. Toronto, March 9, 2011:  
- “Imaging of the Liver and Pancreas”
3. Guest Speaker. Medical Rounds for the Ultrasound Team at the Women & Babies Clinic, Sunnybrook Health Science Centre. Toronto, October 29, 2012:  
- “Imaging of Necrotizing Enterocolitis: the Emerging Role of Sonography”
4. Lecturer. Educational program of the Division of Gastroenterology, Hepatology and Nutrition, Department of Paediatrics, The Hospital for Sick Children and the University of Toronto. Toronto, February 15, 2012:  
- “Imaging of the Liver and Pancreas”
5. Lecturer. Educational program of the Division of Gastroenterology, Hepatology and Nutrition, Department of Paediatrics, The Hospital for Sick Children and the University of Toronto. Toronto, March 20, 2013:  
- “Imaging of the Liver and Pancreas”
6. Lecturer. Educational Program of the Division of Endocrinology, Department of Paediatrics, The Hospital for Sick Children and the University of Toronto. Toronto, June 24, 2013”  
- “Pelvic Imaging”
7. Lecturer. Educational program of the Division of Gastroenterology, Hepatology and Nutrition, Department of Paediatrics, The Hospital for Sick Children and the University of Toronto. Toronto, January 22, 2014:  
- “Imaging of the Liver and Pancreas”
8. Lecturer. Educational program of the Division of Gastroenterology, Hepatology and Nutrition, Department of Paediatrics, The Hospital for Sick Children and the University of Toronto. Toronto, April 1, 2015:  
- “Imaging of the Liver and Pancreas”

9. Lecturer. Educational program of the Division of Gastroenterology, Hepatology and Nutrition, Department of Paediatrics, The Hospital for Sick Children and the University of Toronto. Toronto, November 11, 2015:
  - “Imaging of the Liver and Pancreas”

### **National Lectures**

1. Visiting Professor, Radiology Resident Teaching Rounds, Queen’s University, Kingston, Ontario, June 29, 2004:
  - “Pediatric Abdominal Imaging with Emphasis on Neonatal Gastrointestinal Pathology”
2. 19<sup>th</sup> Annual Organ Imaging Review. The University of Toronto Department of Medical Imaging. Toronto, September 29, 2004:
  - “Acute abdomen in the older child”
3. Visiting Professor, Diagnostic Radiology, McGill University, Montréal, Quebec, September 25-26, 2006:
  - “Current Concepts on Diagnosis and Management of Intestinal Intussusception”
  - “Imaging of Pediatric Liver Masses”
  - “Neonatal Gastrointestinal Imaging – Case Review”
  - “Pediatric Ultrasound – Case Review”
4. Visiting Professor, Diagnostic Radiology Residency Program, McMaster University, Hamilton, Ontario, September 19, 2007:
  - “Imaging of Liver Masses in Children”
  - “Gastrointestinal Imaging in the Neonate and Young Infant – Case Review”
5. Visiting Professor, Department of Diagnostic Imaging, Alberta Children’s Hospital, Calgary, Alberta, April 10-11, 2008:
  - “Review of Pediatric Liver Masses”
  - “Imaging of Vascular Soft Tissue Tumors”
  - “Pediatric Abdominal Sonography – Case Review: Part 1”
  - “Update on Diagnosis and Management of Intussusception”
  - “Imaging of Necrotizing Enterocolitis. The Emerging Role of Sonography”
  - “Pediatric Abdominal Sonography – Case Review: Part 2”
6. Paediatric Update Conference. The Hospital for Sick Children, Department of Paediatrics. Toronto, April 14, 2010:
  - “Antenatal hydronephrosis”
7. 26<sup>th</sup> Annual Organ Imaging Review. The University of Toronto Department of Medical Imaging. Toronto, September 22, 2010:
  - “Intussusception”
8. Visiting Professor, Department of Diagnostic Radiology, University of Ottawa, Ottawa, Ontario, February 7-8, 2011:
  - “Imaging of Soft Tissue Masses in Children”
  - “Diagnosis and Non-operative Management of Intussusception in Children”
  - “Imaging of Soft Tissue Vascular Anomalies in Children”
  - “Pediatric Ultrasound – Case Review”

9. Visiting Professor, Diagnostic Radiology Residency Program, McMaster University, Hamilton, Ontario, March 2, 2011:
  - “Imaging of Soft Tissue Vascular Anomalies in Children”
  - “Imaging of Liver Masses in Children”
  - “Gastrointestinal Imaging in the Neonate and Young Infant – Case Review”
10. 15<sup>th</sup> Annual Women’s Imaging: Advances in Gynaecologic Imaging & First Trimester Ultrasound. University of Toronto Department of Obstetrics & Gynaecology and the Department of Medical Imaging. February 24, 2012:
  - "Paediatric Gynaecology”
12. Pediatric Radiology Case-Based Review Course. Department of Diagnostic Imaging, The Hospital for Sick Children and the University of Toronto. Toronto, March 3, 2012:
  - “Ultrasound case quiz”
  - “CanMEDS scenarios”
  - “Pediatric body imaging: hot seats”
13. Pediatric Radiology Case-Based Review Course. Department of Diagnostic Imaging, The Hospital for Sick Children and the University of Toronto. Toronto, March 9, 2013:
  - “CanMEDS intrinsic roles scenarios”
  - “Pediatric body imaging: hot seats”
14. Visiting Professor, Diagnostic Radiology Residency Program, Queen’s University, Kingston, Ontario, September 19-20, 2013:
  - “Gastrointestinal Imaging in the Newborn and Young Infant – Case Review”
  - “Pediatric Abdominal Ultrasound – Case Review – Part 1”
  - “Pediatric Abdominal Ultrasound – Case Review – Part 2”
  - “Imaging of Pediatric Soft Tissue Vascular Anomalies”

### **International Lectures**

1. Lecturer at the 8<sup>th</sup> Congress of the Latin American Society of Pediatric Radiology, Lima, Perú, November 3-7, 2004:
  - “Current Concepts on Diagnosis and Management of Intestinal Intussusception”
  - “Imaging of Liver Masses in Children”
  - “MRI of Pediatric Bone Marrow”
  - “MRI of Pediatric Soft Tissue Masses”
2. Visiting Professor, Department of Radiology, Pontificia Universidad Católica de Chile, Santiago, Chile, November 9, 2004:
  - “MRI of Pediatric Bone Marrow”
3. Visiting Professor, Department of Radiology, Pontificia Universidad Católica de Chile, Santiago, Chile, October 30, 2007:
  - “Sonography of Pediatric Liver Masses – Case Review”
4. Lecturer at the 11<sup>th</sup> Congress of the Latin American Society of Pediatric Radiology, Viña del Mar, Chile, November 1-3, 2007:
  - “Sonography of Gastrointestinal Pathology”
  - “Imaging of Soft Tissue Vascular Masses”

5. Visiting Professor, Department of Radiology, Zurich University Children's Hospital, Zürich, Switzerland, June 13, 2008:
  - "Imaging of Soft Tissue Vascular Masses in Children"
5. Visiting Professor, Pediatric Grand Rounds, Brigham and Women's Hospital and Massachusetts General Hospital, Boston, Massachusetts, U.S.A., February 16-17, 2010:
  - "Diagnosis and Non-operative Management of Intussusception in Children"
  - "Pediatric Sonography - Interesting Cases"
6. Lecturer at the Advances in Sonography, Society of Radiologists in Ultrasound 20<sup>th</sup> Annual Meeting and Postgraduate Course, Las Vegas, Nevada, U.S.A., October 22, 2010:
  - "Cancer Screening of Childhood Syndromes"
7. Lecturer, 14<sup>th</sup> Congress of the Latin American Society of Pediatric Radiology, Santiago, Chile. October 29-31, 2010:
  - "Evaluation of Soft Tissue Tumors in Children"
  - "Bone Marrow Transplantation: Evaluation of Complications"
8. Lecturer at the Paediatric Sonography Course, Institute of Advanced Allied Health Studies (IAAHS), Hospital Authority - Hong Kong, Hong Kong, China. February 19, 2011:
  - "Practical Considerations & General Approach to Paediatric Sonography"
  - "Ultrasound Imaging in Paediatric Hepatobiliary System"
  - "Paediatric Genitourinary System Part I: Embryology & Ultrasound Evaluation of Urinary System"
  - "Paediatric Genitourinary System Part II: Genital System"
  - "Ultrasound of Neonatal Gastrointestinal Tract"
  - "Puzzling & Interesting Cases: From Our Experts"
9. Lecturer at the 13<sup>th</sup> World Congress of the World Federation for Ultrasound in Medicine and Biology, Vienna, Austria, August 27, 2011:
  - "Role of US in Paediatric Oncology – Compared to CT, PET & MRI"
  - "Role of US in Rheumatology – Compared to MRI and XR"
10. Lecturer at the Pediatric MRI Course. Department of Diagnostic Imaging, The Hospital for Sick Children and the University of Toronto. Toronto, October 1, 2011:
  - "MR Imaging of Soft Tissue Vascular Anomalies in Children"
11. Lecturer at the Pediatric IBD Imaging Course: Special Focus on MRE. Department of Diagnostic Imaging at the Hospital for Sick Children and the University of Toronto. Toronto, September 15, 2012:
  - "IBD Imaging Findings in Ultrasound with MRE Correlation"
12. Lecturer at the OAR Paediatric Imaging: What Every Community Radiologist and Technologist Need to Know! Ontario Association of Radiologists. Toronto, June 15, 2013:
  - "Emergency Sonography in Children"
13. Lecturer at the OAR Paediatric Body MRI: What every radiologist and technologist scanning children and adolescents needs to know! CME 2013. Ontario Association of Radiologists. Toronto, October 19 and 20, 2013:
  - "MRI of Vascular Anomalies"

- “MRI of Non-Vascular Soft Tissue Lesions”
14. Lecturer at the 2<sup>nd</sup> Pediatric IBD Imaging Course: MRE & Pelvic MRI in Focus, Toronto, Canada. March 24, 2014:
    - “MRE vs US”
  15. Visiting Professor, Department of Medical Imaging, National Guard Health Affairs, King Abdulaziz Medical City, Jeddah, Saudi Arabia, April 27, 2014:
    - “US of Pediatric Genitourinary Tract – Case Presentation”
    - “US of Pediatric Hepatobiliary System – Case Presentation”
    - “Intussusception”
    - “Necrotizing Enterocolitis”
    - “Brain Ultrasound – Case Presentation”
    - “US of Pediatric Face & Neck – Case Presentation”
    - “Imaging of Pediatric Soft Tissue Lesions”
  16. Visiting Professor, Department of Medical Imaging, National Guard Health Affairs, King Abdulaziz Medical City, Riyadh, Saudi Arabia, April 28-May 1, 2014:
    - “Hands-on Training: Ultrasound”
    - “Ultrasound of Pediatric Genitourinary Tract”
    - “Ultrasound of Pediatric Hepatobiliary System”
    - “Pediatric Gynecology”
    - “Gastrointestinal Imaging in Neonates and Young Infants – Case-Based Presentation”
    - “Abdominal Ultrasound – Cases”
    - “Intussusception”
    - “Necrotizing Enterocolitis”
    - “Brain Ultrasound”
    - “US of Pediatric Face and Neck”
    - “Imaging of Pediatric Soft Tissue Vascular Anomalies”
    - “Ultrasound of Liver and Biliary Tree – Cases”
    - “Head and Neck Ultrasound Cases”
    - “Interesting Cases”
    - “Hands-on Training: MRI Body”
  17. Lecturer at the OAR Paediatric Ultrasound CME 2014. Ontario Association of Radiologists in conjunction with the Department of Diagnostic Imaging, The Hospital for Sick Children, Toronto, Ontario, September 20, 2014:
    - “Ultrasound of the Acute Abdomen in Infants and Older Children”
  18. Visiting Professor, Radiology Department, Hamad General Hospital, Hamad Medical Corporation, Doha, Qatar, November 19-23, 2014:
    - “Pediatric Ultrasound – Case Based Review”
    - “US of Brain” Parts 1 & 2
    - “US of Pediatric Face and Neck” Parts 1 & 2
    - “US in Pediatric Rheumatology”
    - “US of Pediatric Kidneys & Bladder” Parts 1, 2 & 3
    - “US of Pediatric Scrotum” Parts 1 & 2
    - “US of Liver & Biliary Tract” Parts 1, 2 & 3
    - “US of Gastrointestinal Tract in Children”
    - “Imaging of Necrotizing Enterocolitis” Parts 1 & 2
    - “Imaging of Non-Vascular Soft Tissue Masses”



- “Imaging of Soft Tissue Vascular Anomalies” Parts 1 & 2
  - “Pediatric Gynecologic US” Parts 1 & 2
  - “Indications for Pediatric Imaging”
19. Lecturer at the Pediatric Surgery Postgraduate Seminars (PESPOS) in collaboration with the Cambridge Perinatal Group. Cambridge, U.K, November 28, 2014:
    - “Imaging of NEC – The Role of Ultrasound”
  20. Lecturer for Residency Educational Programme, Department of Radiology, Hacettepe University School of Medicine, Ankara, Turkey, May 28, 2015:
    - “Imaging of Necrotizing Enterocolitis”
    - “Ultrasound of the Liver and Biliary Tract in Children”
  21. Lecturer at the 3<sup>rd</sup> Erciyes Pediatric Radiology Symposium, Erciyes University Faculty of Medicine and Children’s Hospital, Kayseri, Turkey, May 30, 2015:
    - “Imaging of Necrotizing Enterocolitis”
    - “Intussusception”
    - “Ultrasound of the Liver and Biliary Tract in Children”
  22. Lecturer at the 2015 SPR Pediatric Body MRI Course, Society for Pediatric Radiology, The Hospital for Sick Children and University of Toronto, Toronto, Ontario, September 18-19, 2015:
    - “MRI Protocol Session - Vascular Anomalies”
    - “MRI of Soft Tissue Vascular Anomalies”
  23. Lecturer at the 18<sup>th</sup> Congress of the Latin American Society of Pediatric Radiology (SLARP), Santiago, Chile, October 16, 2015:
    - “Necrotizing Enterocolitis with Emphasis on the Use of Ultrasound”
    - “Fat-Containing Soft Tissue Masses”
  24. Lecturer at the 101<sup>st</sup> Scientific Assembly and Annual Meeting of the Radiological Society of North America (RSNA), Chicago, Illinois, U.S.A., December 1, 2015:
    - “Sonography of Neonatal Necrotizing Enterocolitis”
  25. Lecturer at the 3<sup>rd</sup> Pediatric IBD Imaging Course: MRI: Management change in pediatric IBD, Dept. of Diagnostic Imaging, The Hospital for Sick Children, Toronto, Canada. March 5, 2016:
    - “MRI, US or both”
  26. Lecturer at the VIII Ruta Angelopolitana de Imagenología 2016, Puebla State College of Radiology and Imaging, Puebla, Mexico, March 10, 2016:
    - “Fat-containing Soft Tissue Masses”
    - “Imaging of Vascular Anomalies”
    - “Imaging of Necrotizing Enterocolitis”
    - “Intestinal Intussusception”
    - “Sonography of Acute Abdomen in Pediatrics”
    - “Pediatric Scrotal Ultrasound”
  27. Lecturer at the Toronto Pediatric Body Imaging Symposium, Dept. of Diagnostic Imaging, The Hospital for Sick Children & Dept. of Medical Imaging, University of Toronto, Toronto, Canada, September 30-October 1:

- “Intussusception”
  - “Integrated Imaging of Vascular Anomalies”
  - “Lump Potpourri Case Review”
28. Visiting Professor. Radiological Sciences Academic Clinical Programme, Singapore Health Services, KK Children and Women’s Hospital, Singapore, October 6-7, 2016:
- “Postnatal Imaging of Antenatal Hydronephrosis”
  - “Necrotising Enterocolitis”
  - “Development of a Paediatric Radiology Fellowship Program”
  - “Imaging of Paediatric Soft Tissue Vascular Anomalies”
  - “Tutorial on Paediatric Ultrasound Cases for Residents Sitting for FRCR 2B Exam”
  - “Paediatric Gynaecology”
  - “Imaging of Fat-Containing Soft Tissue Masses in Children”
  - “Ultrasound of the Face and Neck in Children”
29. Lecturer at the Asian and Oceanic Society for Paediatric Radiology (AOSPR) Congress, Kuching, Malaysia, October 10-12, 2016:
- “Paediatric Scrotal Ultrasound”
  - “Imaging and Controversies on Appendicitis in Children”
  - “Antenatal Hydronephrosis – Postnatal Imaging”
30. Lecturer at the 2016 Society for Pediatric Radiology (SPR) Pediatric Ultrasound Course, Orlando, Florida, U.S.A, November 5, 2016:
- “Ultrasound of Soft Tissue Vascular Anomalies”
31. Lecturer at the 102<sup>nd</sup> Scientific Assembly and Annual Meeting of the Radiological Society of North America (RSNA), Chicago, Illinois, U.S.A., December 1, 2016:
- “Imaging of Pediatric Vascular Anomalies”
32. Lecturer at the American Institute of Ultrasound in Medicine (AIUM) Annual Convention, Orlando, Florida, U.S.A., March 29, 2017:
- “Pivotal pediatric publications: the 3 most important pediatric ultrasound papers of 2016”