

Augusto Sola, MD , brief CV



Augusto Sola, M.D.	<b>Current:</b> Board Certified in Pediatrics and in Neonatal-Perinatal Medicine, AAP. President, Ibero-American Society of Neonatology. Consulting Professor of Pediatrics-Neonatology, Maimonides University. Vice President, Medical Affairs for Neonatology, Masimo Corporation
Born in Argentina, US citizen since 1995	

EDUCATION			
Instituto Esquiú-Buenos Aires, Argentina	B.S.	1966	English, Biology
University of Buenos Aires, Argentina	M.D.	1973	Medicine
UCSF, San Francisco Ca	MS	1996	Statistics and Epidemiology

**A. Training and Major Scholar Positions Held**

1974-1976	Pediatric Resident, University of Massachusetts, Worcester, MA
1976-1977	Senior chief Resident of Pediatrics, University of Massachusetts, Worcester, MA
1977-1978	Neonatal Fellow, University of Massachusetts, Worcester, MA
1978-1979	Research Fellow, CVRI, Neonatology, UCSF, San Francisco, CA
1980-1987	Assistant Professor of Pediatrics, University of Buenos Aires, Argentina
1982-1991	Director of Neonatology, University of Buenos Aires
1987-1991	Professor of Pediatrics, University of Buenos Aires
1991-1994	Associate Professor Pediatrics & Director, Neonatal Services, University of California, San Francisco, CA
1993-1997	Director, Neonatal Nurse Practitioner Program, Director ECMO program; Member of the Fetal Treatment Program, University of California, San Francisco, CA
1994-1997	Professor of Pediatrics & Director, Neonatal Clinical Services, University of California, San Francisco, CA
1997-2001	Director, Neonatology, Cedars-Sinai Medical Center, Los Angeles, CA Director, Neonatal-Perinatal Fellowship Program, Cedars-Sinai Medical Center, Los Angeles, CA Ruth & Harry Roman Chair in Neonatology, Cedars-Sinai Medical Center, Los Angeles, CA Professor of Pediatrics, UCLA School of Medicine, Los Angeles, CA
2001-2006	Professor of Pediatrics, Obstetrics/Gynecology, Emory Univ School of Medicine, Atlanta, GA (tenure) Director, Division of Neonatal-Perinatal Medicine, Emory Univ School of Medicine, Atlanta, GA Director, Neonatal-Perinatal Fellowship Program, Emory Univ School of Medicine, Atlanta, GA Co-Director of Emory Regional Perinatal Center, Emory Univ School of Medicine, Atlanta, GA Co-Director of Developmental Progress Clinic, Emory Univ School of Medicine, Atlanta, GA
2005	Course: Leadership for Medical Directors, Harvard University, Boston
2007-2008	Director, Neonatal Research and Academic Affairs, Morristown Memorial Hospital, NJ. Professor of Pediatrics, Neurology and Neuroscience UMDNJ, NJ.
2008-2010	President, Iberoamerican Society of Neonatology ("SIBEN") [Not for profit public charity organization]
2009-present	<i>International Neonatal Health</i> : Visiting Professor, Community Service Activities and Philanthropy in various medical centers in the Latin American region
2000-present	Consultant in Education and Research in Neonatology, Several Universities and Medical Centers in Latin America
2011-present	National Perinatal Association, Member of the Board
2013-present	President, Ibero-American Society of Neonatology ('SIBEN')
2011-present	Neonatologist, St Jude Hospital, Children's Hospital Pediatric Sub-Specialty Faculty, Orange Co, Ca.
2013- present	Vice President, Medical affairs for Neonatology, Masimo Corporation
2013 – Present	Consulting Professor of Pediatrics-Neonatology, Maimonides University

MEDICAL LICENSURES IN USA – Active in California. (Past in: Ma; Ga; La; NJ, Il)

**B. Honors and Awards: (Received 42 awards and honors in the USA, Spain, and Latin America). Among them are:**

- ✓ J. Braverman Award, Argentina Pediatric Society, 1988
- ✓ Ten Outstanding Young Professionals of Argentina International Junior Chamber, Argentina, 1988
- ✓ Ten Outstanding Young Professionals of the World. (ibid) ; 1990
- ✓ Faculty Teaching Award, UCSF, Department of Pediatrics; 1993
- ✓ Listed as one of "The Best Doctors In America" Pediatrics, Neonatal-Perinatal Medicine, Pacific Region
- ✓ American Academy of Pediatrics (AAP) E.H. Christopherson "International Child Health" Award, American Academy of Pediatrics for contributions to improving maternal-infant health internationally; 1999
- ✓ Braden Griffin Lectureship Award, University of Massachusetts; 2000
- ✓ Award for Educational, Scientific and Clinical Contributions to Pediatrics in Paraguay; 2003
- ✓ Best Teacher Award, International Neonatal Congress, Buenos Aires, Argentina; 2001
- ✓ "Top Doctors of America in Neonatal-Perinatal Medicine" Award; 2002-2005
- ✓ Leadership Award, presented by the Center for Black Women's Wellness, Inc., 2006
- ✓ "Top Doctors of Atlanta" Award, 2006
- ✓ World Health Organization (WHO) Perinatal Collaborating Center: Dr. Cicely Williams Award in Recognition of Excellence, 2007.
- ✓ Distinguished Honorary Professor, Universidad de La Habana, Cuba 2007
- ✓ "American's Top Doctors" 2007-2011– Castle Connolly Award, Five Consecutive Years Award
- ✓ Listed in WHO IS WHO in America and in the World 2009-2011
- ✓ Appointed as Fellow to the Ethical Medical Society of the USA, 2008
- ✓ Simposio Internacional De Neonatología, Bogota, Colombia. Homenaje Augusto Sola, March 2010
- ✓ National Perinatal Association (NPA): Award for contributions to neonatal-perinatal medicine, 2010
- ✓ *Professor "Honoris Causa"* National University of the Republic of Uruguay, 2011.
- ✓ Named and appointed "Member of Honor" of many pediatric and neonatal societies and medical schools in Latin America (Argentina, Bolivia, Colombia, Cuba, México, Paraguay, Perú, Uruguay) and Spain (full list available upon request).

**C. SUMMARY OF PUBLICATIONS:**

- ✓ **104 original manuscripts published in peer reviewed journals**
- ✓ **Editor-Author of 5 Neonatal books in Spanish Language (1987 to 2011)**
  - Sola Augusto, Urman J. "Cuidados intensivos neonatales: fisiopatología y terapéutica". ISBN 9509428078, 9789509428072; 1 volume, 870 pages, Científica Interamericana, Argentina, 1987, 1990 y 1992.
  - Sola, Augusto, Rogido M. "Cuidados Neonatales" ISBN 89872427570-4, 2 Volume, 1420 pages, Científica Interamericana, Argentina, 2000.
  - Sola, Augusto. "Diálogos en neonatología". ISBN: 9789872427597; Edimed, Argentina. 2009.
  - Sola, Augusto. "Cuidados neonatales: Descubriendo la vida de un recién nacido". ISBN: 9789872530341: 2 volume. 1642 pages. Editorial Edimed, Argentina. 2011.
  - Diaz G, Sandoval J, Sola A. "Hipertension pulmonar en niños". ISBN 9789588379357. Distribuna, Colombia 2011.
  - Sola A Compendio de Neonatología. ISBN 978998849275 Edimed, Argentina. 2013
- ✓ **Co-editor- and author of 2 manuals in Spanish Language (Neonatal Hematology and Follow up, 2011)**
- ✓ **More than 280 review articles and chapters in neonatal textbooks.**

**D. The following list is for selected peer-reviewed manuscripts, published since 2000 (from a total of over 100 since my first original manuscript in 1978):**

1. Finer N, Craft A, Vaucher Y, Clark R, Sola A. Postnatal Steroids: Short Term Gain, Long Term Pain? J Pediatr, 2000 July; 137 (1): 9-13.
2. Sorrentino M, Powers T, Sola A (as part of The Palivizumab Outcomes Study Group). Effectiveness of Synagis® (Palivizumab): Evaluation of Outcomes from the 1998-99 RSV Season. Pediatr Infect Dis J 19(11):1068-1071, 2000.
3. Sola A, Rogido M. Pulmonary injury in the pre-term neonate. Neonatal Intensive Care, Oct 13(6):60-62, 2001.
4. Rogido M, Sola A. Ventilación mecánica en el recién nacido de muy bajo peso al nacer. UCIN, 2(1):40-51, 2002.
5. Gressens P, Rogido M, Paindaveine B, Sola A. The Impact of Frequent Neonatal Intensive Care Practices on the Developing Brain. J Pediatr, 140:646-653, 2002.

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6. Baserga M, Puri A, Sola A. The Use of Topical Nitroglycerin Ointment to Treat Peripheral Tissue Ischemia Secondary to Arterial Line Complications in Neonates. *J Perinatol*, 22:416-419, 2002.
7. Genesca M, Sola A, Miguel R, Pi F, Xaus C, Alfaro V, Hotter, G: Role of changes in tissular nucleotides on the development of apoptosis during ischemia/reperfusion in rat small bowel. *Am J Pathol*, Nov;161(5):1839, 2002.
8. Sola A, Panes J, Xaus C, Hotter G: Fructose-1,6-biphosphate and nucleoside pool modifications prevent neutrophil accumulation in the reperfused intestine. *J Leukoc Biol*, Jan;73(1):74-81, 2003.
9. Baserga MC, Gregory GA, Sola A: Cerebrovascular Response in Small Preterm Infants during Routine Nursery Gavage Feedings. *Biol Neonate*, 83:12-18, 2003.
10. Chow LC, Wright KW, Sola A: Can changes in clinical practice decrease the incidence of severe retinopathy of Prematurity in Very Low Birth Weight Infants? *Pediatrics*, Feb: 111(2):339-45, 2003.
11. Baserga MC, Gregory GA, Sola A. Cerebrovascular Response in Small Preterm Infants during Routine Nursery Gavage Feedings. *Biol Neonate*, 83:12-18, 2003.
12. Rogido, M, Husson I, Bonnier C, Lallemand MC, Merienne C, Gregory GA, Sola A, Gressens P. Fructose-1, 6 biosphate prevents excitotoxic neuronal cell death in the neonatal mouse brain. *Brain Res Dev Brain Res*, Feb;140:287-297, 2003.
13. Wen, TC, Rogido, M, Genetta, T, Sola, A. Permanent focal cerebral ischemia activates erythropoietin receptor I in the neonatal rat brain. *Neurosci Lett*, 355(3):165-168, 2004.
14. Wen TC, Rogido M, Gressens P, Sola A: A reproducible experimental model of focal cerebral ischemia in the neonatal rat. *Brain Research Protocols*, 13:76-83, 2004.
15. Baserga MC, Sola A: Intrauterine Growth Retardation Impacts Tolerance to Total Parenteral Nutrition in Extremely Low Birth Weight Infants. *J Perinatol*, 24:476-481, 2004.
16. Sola A, Soliz A. Ibero-American Society of Neonatology. Collaborative group for the improvement of clinical practice and research in neonatology [Sociedad Iberoamericana de Neonatología (SIBEN). "Grupo de Colaboración Para Mejorar la Clinica y la Investigación Neonatal"]. *An Pediatr (Barc)*, 61(5):390-392, 2004.
17. Piazza A, Blackston D, Sola A. A Case of Adams-Oliver Syndrome with Associated Brain and Pulmonary Involvement: Further Evidence of Vascular Pathology? *Am J of Med Genet*,130:172-175, 2004.
18. Baserga M, Bertolotto C, Sola A. Different Doses of Dopamine have heterogeneous effects on Cerebral Hemodynamics and Dopamine Receptors in Young Rabbits as measured with Near-Infrared Spectroscopy. *Biol Neonate*, Jan 14;87(4):229-235, 2005.
19. Sola A, Chow, L, Rogido M. Retinopathy of Prematurity and Oxygen Therapy: A Changing Relationship. *An Pediatr (Barc)*, Jan;62(1):48-63, 2005.
20. Sola A, Chow L, Rogido M. Pulse oximetry in neonatal care in 2005. A comprehensive state of the art review. *An Pediatr (Barc)*, Mar;62(3):266-281, 2005.
21. Deulofeut R, Sola A, Lee B, Buchter S, Rahman M, Rogido M. The impact of vaginal delivery in premature infants weighing less than 1,251 grams. *Obstet Gynecol*, Mar;105(3):525-531, 2005.
22. Sola A, Rogido M, Lee B, Genetta T, Wen TC. Erythropoietin after Focal Cerebral Ischemia Activates the Janus kinase-signal transducer and activator of transcription signaling pathway and improves brain injury in postnatal day 7 rats. *Pediatr Res*, Apr;57(4):481-7, 2005.
23. Sola A, Wen TC, Hamrick S, Ferriero DM. Potential for Protection and Repair following Injury to the Developing Brain: A Role for Erythropoietin? *Pediatr Res*, May; 57(5), part 2:110R-117R, 2005.
24. Deulofeut R, Sola A. Injury to the Developing Brain in Term and Pre-Term Infants: Mechanisms of Injury and Potential for Prevention and Repair. *Journal of The Arab Neonatology Forum*, 2: 34-47; 2005.
25. Deulofeut R, Critz A, Adams-Chapman I, Sola A. Avoiding hyperoxia in infants < 1250 g is associated with improved short-and long-term outcomes. *Journal of Perinatology* (2006) 26, 700-705
26. Sola A, Rogido M, Lee BH, Genetta T, Wen TC. Erythropoietin after focal cerebral ischemia activates the Janus kinase-signal transducer and activator of transcription signaling pathway and improves brain injury in postnatal day 7 rats. *Pediatric Research*. 2005 Apr;57(4):481-7. Epub 2005 Feb 17.
27. Genetta T, Lee BH, Sola A. Low doses of ethanol and hypoxia administered together act synergistically to promote the death of cortical neurons. *J Neurosc Res*;85:131-138
28. Boss V, Sola A, Wen TC, Decker MJ. Mild Intermittent Hypoxia Does Not Induce Stress Responses in the Neonatal Rat Brain. *Biology of the Neonate* 2005;88:313-320
29. Baquero H, Soliz A, Neira F, Venegas ME, Sola A: Oral Sildenafil in Infants With Persistent Pulmonary Hypertension of the Newborn: A Pilot Randomized Blinded Study. *Pediatrics* 2006;117:1077-1083
30. Sola A, Deulofeut R. Oxygen and oxygenation in the delivery room. *J Pediatr* 2006;148:564-565
31. Baquero, H, Sola, A: Intratracheal Sildenafil in the Newborn With Pulmonary Hypertension. *Pediatrics* 2007 January; 119:1; 215-216.
32. Deulofeut R, Sola A, Lee B, Rogido M. Delivery room cardiopulmonary resuscitation of the very preterm infant is associated with adverse short and long term outcomes. *An Pediatr (Barc)*. 2007;66(1):31-7

33. Sola A, Baquero H. Oral sildenafil in neonatal medicine: "tested in adults also used in neonates" *An Pediatr (Barc)*. 2007 Feb;66(2):167-76
34. Lemus-Varela ML, Sola A, Gómez BC, Zamora AL, Ramos ML, Batista CM, Zúñiga GM. Oral sildenafil citrate lacks genotoxicity and cytotoxicity in a primate model: *Callithrix jacchus*. *J Perinatol*. 2006 Jul;26(7):423-7
35. Lee BH, Wen TC, Marta R, Sola A. Glucocorticoid Receptor Expression in the Cortex of the Neonatal Rat Brain with and without Focal Cerebral Ischemia. *Neonatology* 2007;91:12-19
36. Sola, A. Turn off the lights and the oxygen, when not needed: phototherapy and oxidative stress in the neonate. *JPediatr (Rio J)*. 2007;83(4):293-296
37. Bouzas L, Bauer G, Novali L, Dilger A, Galina L, Falbo J, Díaz González L, Manzitti J, Sola A. Retinopathy of prematurity in the XXI century in a developing country: an emergency that should be resolved. *An Pediatr (Barc)*. 2007 Jun;66(6):551-8
38. Deulofeut R, Dudell G, Sola A. Treatment-by-gender effect when aiming to avoid hyperoxia in preterm infants in the NICU. *Acta Paediatr*. 2007 Jul;96(7):990-4
39. Sola A, Rogido MR, Deulofeut R. Oxygen as a neonatal health hazard: call for détente in clinical practice. *Acta Paediatr*. 2007 Jun;96(6):801-12.
40. Baud O, Sola A. Corticosteroids in perinatal medicine: how to improve outcomes without affecting the developing brain? *Semin Fetal Neonatal Med*. 2007 Aug;12(4):273-9
41. Sola A, Dieppa FD, Rogido MR. An evident view of evidence-based practice in perinatal medicine: absence of evidence is not evidence of absence. *J Pediatr (Rio J)*. 2007 Sep-Oct;83(5):395-414
42. Sola A, Peng H, Rogido M, Wen TC. Animal models of neonatal stroke and response to erythropoietin and cardiotrophin-1. *Int J Dev Neurosci*. 2008 Feb;26(1):27-35.
43. Sola A, Rogido M. Iron, oxidant injury, and practice choices in preterm infants. *J Pediatr*. 2008 Feb;152(2):295-6
44. Castillo A, Sola A, Baquero H, Neira F, Alvis R, Deulofeut R, Critz A. Pulse oxygen saturation levels and arterial oxygen tension values in newborns receiving oxygen therapy in the neonatal intensive care unit: is 85% to 93% an acceptable range? *Pediatrics*. 2008 May;121(5):882-9
45. Sola A. Oxygen for the preterm newborn: one infant at a time. *Pediatrics*. 2008 Jun;121(6):1257
46. Sola A. Oxygen in neonatal anesthesia: friend or foe? *Curr Opin Anaesthesiol*. 2008 Jun;21(3):332-9.
47. Sola A, Saldeño YP, Favareto V. Clinical practices in neonatal oxygenation: where have we failed? What can we do? *J Perinatol*. 2008 May;28 Suppl 1:S28-34.
48. Various and Sola A. ("Grupo de Trabajo Colaborativo Multicéntrico para la Prevención de la Ceguera en la Infancia por Retinopatía del Prematuro") Recommendations for Retinopathy of Prematurity screening in at-risk populations *Arch Argent Pediatr*. 2008 Feb;106(1):71-6
49. First SIBEN clinical consensus: diagnostic and therapeutic approach to patent ductus arteriosus in premature newborns. *An Pediatr (Barc)*. 2008 Nov;69(5):454-81
50. Bui T, Sequeira J, Wen TC, Sola A, Higashi Y, Kondoh H, Genetta T. ZEB1 links p63 and p73 in a novel neuronal survival pathway rapidly induced in response to cortical ischemia. *PLoS One*. 2009;4(2):e4373
51. Peng H, Sola A, Moore J, Wen T. Caspase inhibition by cardiotrophin-1 prevents neuronal death in vivo and in vitro. *J Neurosci Res*. 2010 Apr;88(5):1041-51
52. Sáenz P, Brugada M, de Jongh B, Sola A, Torres E, Moreno L, Vento M. A survey of intravenous sodium bicarbonate in neonatal asphyxia among European neonatologists: gaps between scientific evidence and clinical practice. *Neonatology*. 2011;99(3):170-6
53. Castillo A, Deulofeut R, Critz A, Sola A. Prevention of retinopathy of prematurity in preterm infants through changes in clinical practice and SpO<sub>2</sub> technology. *Acta Paediatr*. 2011 Feb;100(2):188-92
54. Baquero H, Alvis R, Castillo A, Neira F, Sola A. Avoiding hyperoxemia during neonatal resuscitation: time to response of different SpO<sub>2</sub> monitors. *Acta Paediatr*. 2011 Apr;100(4):515-8.
55. Second Clinical Consensus of the Ibero-American Society of Neonatology: hemodynamic management of newborns. *Rev Panam Salud Publica*. 2011 Apr;29(4):281-302
56. Lemus Varela ML, Sola A. Toxicity of local application of a mixture of anesthetics: Lidocaine and prilocaine cream in an experimental model. *Journal of Neonatal-Perinatal Medicine* 4 (2011) 333–339
57. Fajardo C, Sola A and SIBEN. End-of-life, death and dying in neonatal intensive care units in Latin America, *Acta Paediatr*. 2012;101(6):609-13
58. Perez JM; Fajardo C, Golombek S, Sola A. A laminar flow unit for the care of critically ill newborn infants. *Medical Devices: Evidence and Research*, 2013 Oct 17;6:163-7
59. Sola A, Zuluaga C. Oxygen Saturation Targets and Retinopathy of Prematurity. *J AAPOS*. 2013 Dec;17(6):650-2
60. Sola A. SpO<sub>2</sub> targets in newborn care: 85-89%? 91-95%? Or none of the two (PLOS, Submitted Jan 2014)
61. Perez JM, Sola A. Hypothermia with a laminar flow unit for the treatment of neonatal hypoxic-ischemic-encephalopathy. In Preparation for submission February 2014

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62. Zenobi C, Van Bel F, Sola A. Perfusion Index in Newborn Infants: A non-invasive tool for neonatal monitoring. *Acta Paediatr.* 2014 Jan 28. doi: 10.1111/apa.12574. [Epub ahead of print]
63. Zapata J, Gómez JJ, Matiz Rubio A, Sola A. A Randomized Controlled Trial of Automated Oxygen Delivery in Preterm Neonates Receiving Supplemental Oxygen without Mechanical Ventilation. Submitted for publication Jan 2014

**E Abstracts:** **Over 250** presented at National Pediatric Academic Societies (Society for Pediatric Research, American Pediatric Society), International Societies and Regional Societies during the past 20 years

#### **F. Educational activities in Neonatal-Perinatal Medicine**

- Director of Fellowship and Training Programs in Argentina and USA
- Starting in 1985: organized, conducted and/or directed over 100 courses, workshops, seminars and annual meetings in neonatal medicine throughout Latin America, Spain and the USA (Includes MD's, RN's and RT's)
- Participated as guest speaker and lecturer in over 1500 conferences in all countries of Latin America, and in the USA, Canada, France, Spain, England and Japan. Recent ones in 2012: in Canada, Brazil, Colombia, USA, Argentina, Venezuela, Mexico. In 2013: in Belgium, Netherlands, France, Brazil, Colombia, Honduras, Mexico, Paraguay, USA, Canada. List available on request.

#### **G. Society Memberships (current and past)**

American Pediatric Society (APS)  
Society for Pediatric Research (SPR)  
American Academy of Pediatrics (AAP - Fellow)  
AAP Section on Community and International Child Health  
AAP Section on Perinatal Pediatrics  
Society for Neuroscience  
Southern Society for Pediatric Research (SSPR)  
New York Academy of Sciences  
American Association For The Advancement Of Science  
Western Society for Pediatric Research (WSPR)  
American Thoracic Society (ATS)  
Pediatric Society of Argentina  
Latin American Society for Pediatric Research  
California Association of Neonatologists (CAN)  
National Association of Hispanic Physicians  
Southeastern Association of Neonatologists (SAN)  
Society for Critical Care Medicine (SCCM)

#### **H. Reviewer for Scientific Journals:**

Acta Paediatrica; America Journal of Physiology; Archivos Argentinos de Pediatría  
Biology of the Neonate; Brain Molecular Research; Chest  
Cochrane Neonatal Review Group; European Office Pediatric Research  
Journal of Pediatrics; Journal of Perinatology; Obstetrics and Gynecology  
Pediatrics; Pediatric Pulmonology; Pediatric neurology  
Pediatric Research; Respiratory Physiology & Neurobiology  
Revista Infantil de Mejico; Anales de Pediatría (Barcelona)  
Archives of Medical Research; Journal of Applied Physiology

#### **Member, Editorial Boards:**

Pediatric Pulmonology (1997-2005)  
Journal of Neonatal-Perinatal Medicine (2010-now)

#### **I. Guest Speaker and Invited Professor:**

Over 1900 lectures at major national and international neonatal research and clinical meetings given over the years. (available upon request)

#### **Guest Speaker and Invited Professor for the period January-December 2013 (summary)**

Summit on Patient Safety, California  
Grand Rounds Miami Children's Hospital  
Grand Rounds Hackensack University Hospital  
Neonatal Rounds, Detroit, Michigan

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Neonatal International Conferences, Bariloche and Rosario, Argentina  
Neonatal Conference, Children's Hospital Montefiore, NY  
Summit on Neonatal Congenital Heart Disease, Beijing, China  
Neonatal Annual Meeting, Mexico Pediatric Society, Veracruz, Mexico  
Workshop on neonatal ventilatory strategies, Barranquilla, Colombia  
Neonatal Rounds and Grand Rounds (10 centers in Netherlands, France and Belgium)  
Clinical workshop in neonatal clinical care, Venezuela  
Clinical post graduate course, Lima, Peru  
Resuscitation Research Workshop, Maryland  
**Guest Speaker and Invited Professor for the period January-December 2013 (summary) Continued**  
Neonatal Symposium, Featured Speaker, New Brunswick, Canada.  
Neonatal Conference, University of Texas, San Antonio, Texas  
Neonatal Conference, Pediatrix Medical Group, Baptist Hospitals, San Antonio, Texas  
Hurley Medical Center, Michigan.  
Pediatric Congress "Meso-Americano", Tegucigalpa Honduras  
SIBEN Annual Meeting, Cartagena, Colombia  
Neonatal Respiratory Workshop, Mexico DF  
Hypothermia workshop, Sao Paulo, Brazil  
SpO2 targets. New York College, Wetchester, NY, USA.  
Neonatal oxygenation, Montefiore Hospital, Albert Einstein, Bronx, NY, USA.  
American Academy of Pediatrics, FLA, USA.  
University of California, San Diego, USA.  
Neonatal International Seminar, Acapulco, Mexico  
Neonatal Respiratory Meeting, Robert Wood Johnson, New Jersey USA  
Grand Rounds, University of Massachusetts, Worcester, Mass