

## CURRICULUM VITAE



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## EDUCATION

### Degrees, Diplomas and Certifications

2000 *Medical Doctor*  
Universidad Nacional de Córdoba. Faculty of  
Medicine. Córdoba. Argentina. February 2000.

2004 *Paediatrician*  
Universidad Nacional de Córdoba. Faculty of  
Medicine. Córdoba. Argentina. December 2004.

2008 *Paediatric Neurologist.*  
The Hospital for Sick Children.  
University of Toronto, Faculty of Medicine,  
Toronto, Ontario. Canada. June 2008.

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- 2010 *Paediatric Epileptologist.*  
The Hospital for Sick Children.  
University of Toronto, Faculty of Medicine,  
Toronto, Ontario. Canada. June 2010.
- 2010 *Electroencephalography Diplomate.*  
Canadian Society of Clinical Neurophysiologists.  
Canada. June 2010.
- 2012 *Licentiate of the Medical Council of Canada.*  
Medical Council of Canada. Canada. December  
2012
- 2017 *Fellow of the American Epilepsy Society.*  
Washington, DC. United States of America.  
December 2017.

### **Specialty Training:**

- 2000 – 2004 “Hospital Privado de Córdoba”  
Córdoba. Argentina.  
Subject: **Pediatric Residency**
- 2005 – 2008 The Hospital for Sick Children  
Toronto, Ontario. Canada.  
Subject: **Pediatric Neurology Fellowship**
- 2008 – 2010 The Hospital for Sick Children  
Toronto, Ontario. Canada.  
Subject: **Pediatric Epilepsy Fellowship**

### **APPOINTMENTS**

#### **University – Academic Appointment**

- 1995 – 1996 Professor’s Assistant in Pathology course. School of  
Medicine. “Universidad Nacional de Córdoba”  
Argentina.
- 1996 – 1997 Professor’s Assistant in Semiology course. School  
of Medicine. “Universidad Nacional de Córdoba”  
Argentina.

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2003 – 2004	Pediatric Chief Resident. “Hospital Privado de Córdoba”. “Universidad Nacional de Córdoba” Argentina.
2004 – 2005	Lecturer, “Hospital Privado de Córdoba”. “Universidad Nacional de Córdoba” Argentina.
December 2006	Acting Chief Resident of Pediatric Neurology. University of Toronto. The Hospital for Sick Children. Toronto, Canada.
February 2007	Acting Chief Resident of Pediatric Neurology. University of Toronto. The Hospital for Sick Children. Toronto, Canada.
2009 – 2010	Chief Fellow of Pediatric Epilepsy Program. University of Toronto. The Hospital for Sick Children. Toronto, Canada.
2010 – 2013	Clinical Teacher. Faculty of Medicine. University of Manitoba. Winnipeg, Canada.
2010 – 2016	Assistant Professor. Faculty of Medicine. University of Manitoba. Winnipeg, Canada.
2016 – Present	Clinical Associated Professor. Department of Paediatrics. Cumming School of Medicine University of Calgary. Calgary, Canada.
2018 – 2022	Pediatric Epilepsy Fellowship Program Co-Director. Alberta Children’s Hospital. Department of Paediatrics. Cumming School of Medicine University of Calgary. Calgary, Canada.
2019 – Present	Pediatric Neurology Site Leader at Alberta Children’s Hospital. Undergraduate Medical Education Office. Cumming School of Medicine University of Calgary. Calgary, Canada.
2019 – Present	Fellowship Committee member. Postgraduate Medical Education Office. Cumming School of Medicine University of Calgary. Calgary, Canada.

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## **Clinical Appointments**

- 2004 – 2005 Junior Staff. Pediatric Emergency Department. “Hospital Privado de Córdoba” Argentina. Province License: # 26621/3
- 2005 – 2006 General Pediatrics Ward. On call service. Department of Paediatrics. Hospital for Sick Children. Toronto. Canada. CPSO # 83090.
- 2006 – 2008 PAMOT (Pediatric Academic Multi Organ Transplantation). On call service. Department of Paediatrics. The Hospital for Sick Children. Toronto. Canada. CPSO # 83090.
- 2010 – 2016 Neurology Attending. Children’s Hospital of Winnipeg. Pediatric Department. University of Manitoba. Winnipeg, Canada. CPSM # 16-893
- 2016 – Present Paediatric Epilepsy and Child Neurology. Neurometabolic Therapy Program Director. Pediatric Epilepsy Fellowship Co-Director. University of Calgary. Department of Paediatrics. Alberta Children’s Hospital. Calgary, Canada. CPSA # 26346
- 2018 – 2018 Medical Director of the Neurophysiology Laboratory. Alberta Children’s Hospital. Calgary, AB. Canada.

## **Other Appointments (volunteer)**

- 2007 – Present International Editor Member of the Pediatric Neurology chapter in the “Experiencia Medica” Journal. Córdoba, Argentina.
- 2012 – 2015 Board Examiner and Auxiliary Position (Physician). Canadian Board of Registration of Electroencephalograph Technologists, Inc. (C.B.R.E.T., Inc.)
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2013 – Present	Editor Member for the Elsevier Editorial System. European Journal of Epilepsy.
2015 – 2017	Member of the Canadian League Against Epilepsy (CLAE) Medical Therapeutics Committee.
2015 – 2019	Member of the Canadian League Against Epilepsy (CLAE) Nominations Committee.
2016 – 2019	Committee Member of Paediatric Content Committee. American Epilepsy Society.
2016 – 2018	Chairman of the Canadian Board of Registration of Electroencephalograph Technologists, Inc. (C.B.R.E.T., Inc.)
2016 – Present	Editorial Board Member for the Journal of Pediatric Epilepsy. Thieme Editorial.
2017 – 2018	Chair of Canadian Society of Clinical Neurophysiologist (CSCN), EEG section. Canada
2018 – 2021	Vice-President of the Canadian Society of Clinical Neurophysiology (CSCN). Canada
2018 – Present	Board Examiner for EEG national exam. Canadian Society of Clinical Neurophysiologist (CSCN). Canada
2018 – Present	Chair of the Canadian League Against Epilepsy (CLAE) Medical Therapeutics Committee. Canada
2019 – Present	Board Examiner. Canadian Board of Registration of Electroencephalograph Technologists, Inc. (C.B.R.E.T., Inc.)
2020 – Present	Evaluation coordinator leader for the Pediatric Epilepsy Seminars. Canadian Epilepsy Teaching Network (CETN). Canadian League Against Epilepsy (CLAE). Monthly international seminars.
2020 – Present	Member of the Gender and Diversity Task Force. Alberta Children's Hospital. University of Calgary. Alberta Health Services. Calgary, Alberta. Canada.

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2021 – Present	President of the Canadian Society of Clinical Neurophysiology (CSCN). Canada.
2021 – Present	North – American representative in the International Federation of Clinical Neurophysiology. International.
2021 – Present	Board of Directors of the Canadian Neurological Sciences Federation (CNSF). Canada.
2021 – Present	Member of the Alberta Children’s Hospital Research Institute (ACHRI). Calgary, Alberta. Canada.
2021 – Present	Member of the Communications Committee of the Canadian League Against Epilepsy. Canada.
2022 – Present	Member of the Awards Committee of the International Federation of Clinical Neurophysiology. International.
2020 – Present	Member of the Course 5 “Neuroscience” content. Cumming School of Medicine. University of Calgary. Calgary, Canada.
2020 – Present	Member of the Course 6 “Pediatrics” content. Cumming School of Medicine. University of Calgary. Calgary, Canada.

## **PUBLICATIONS**

### **Peer-Reviewed Papers**

- 1 **Appendino JP**, Cagnolo G. *ALTE: a descriptive study in 86 inpatient children from PICU and NICU in Córdoba, Argentina*. Graduation Final Report. National University of Cordoba, School of Medicine. Córdoba city. Argentina. Annals Books 2004.
  - 2 Cuestas-Montanes E, **Appendino-Camacho JP**, Valle-Toselli M. *Rotavirus diarrhea in a population covered by private health insurance in Cordoba, Argentina*. *An Pediatr (Barc)* 2005;63(4):369-72
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- 3 **Appendino JP**, Soman T. *Trihexyphenidyl in Cerebral Palsy*. J. Child Neurol J Child Neurol 2008; 23(7):846.
  - 4 **Appendino JP**, Weiss S, Go C, Akiyama T, Hahn C, Boyd J, Snead C. *Infantile Spasms Protocol*. The Hospital for Sick Children Protocols. Available only on internal website. Toronto 2008.
  - 5 **Appendino JP**, McNamara P, Keyzers M, Stephens D, Hahn C. *Impact of amplitude integrated EEG in NICU practice*. Can J Neurol Sci. 2012 May;39(3):355-60.
  - 6 Téllez-Zenteno JF, Ronquillo LH, Jette N, Burneo JG, Nguyen DK, Donner EJ, Sadler M, Javidan M M, Gross DW, Wiebe S; **Canadian Epilepsy Surgery Study Group** (group member; collaborator). *Discontinuation of antiepileptic drugs after successful epilepsy surgery. A Canadian survey*. Epilepsy Res. 2012 Nov;102(1-2):23-33.
  - 7 Ronen GM, Streiner DL, Boyle MH, Cunningham CE, Lach L, Verhey LH, Fayed N, Chen K, Rosenbaum PL; QUALITÉ Group, Connolly M, Bello-Espinosa LE, Rafay MF, **Appendino JP**, Shevell M, Carmant L. *Outcomes trajectories in children with epilepsy: hypotheses and methodology of a Canadian longitudinal observational study*. Pediatr Neurol. 2014 Jan;50(1):38-48.
  - 8 Peikes TR, **Appendino JP**. *Asymptomatic viral gastrointestinal infection: the missing link?* Pediatrics. 2014 Mar;133(3):e758-61.
  - 9 Tobin WO, Lennon VA, Komorowski L, Clardy SL, Aksamit AJ, **Appendino JP**, Lucchinetti CF, Matsumoto JY, Pittock SJ, Sandroni P, Tippmann-Peikert M, Wirrell EC, McKeon A. *DPPX Autoantibody: Frequency, Clinical Accompaniments and Outcomes*. Neurology. 2014 Nov 11;83(20):1797-803.
  - 10 Ferro MA, Avery L, Fayed N, Streiner DL, Cunningham CE, Boyle MH, Lach L, Glidden G, Rosenbaum PL, Ronen GM; QUALITÉ Group: Connolly M, Bello-Espinosa LE, Rafay MF, **Appendino JP**, Shevell M, Carmant L. *Child- and parent-reported quality of life trajectories in children with epilepsy: A prospective cohort study*. Epilepsia. 2017 Jul;58(7):1277-1286.
  - 11 Weidman D, **Appendino JP**. *Case Report: Aicardi syndrome presenting as cleft lip and palate*. Open Access J Neurol Neurosurg. 2017; 3(5):555625. DIO:10.19080/OAJNN.2017.03.555625
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- 12 **Appendino JP**, Brebesh B. *Midline Spikes in Children, is Long-Term Treatment Needed?*. Open Access J Neurol Neurosurg. 2017; 4(5): 555648. DOI: 10.19080/OAJNN.2017.04.555648.
- 13 Dianne Dash, Chelsea Dash, Sara Primrose, Lizbeth Hernandez-Ronquillo, Farzad Moien-Afshari, Lady D. Ladino, **Juan Pablo Appendino**, Lindsay Mazepa, Christine Elliott, Seyed M. Mirsattari, Paolo Federico, Esther Bui, Gary Hunter, Rajesh RamachandranNair, Rohit Sharma, Paula Melendres, Joanne Nikkel, Dang Khoa Nguyen, Salah Almubarak, Mike Rigby, Jose F. Téllez-Zenteno. *Update on Minimal Standards for Electroencephalography in Canada: A Review by the Canadian Society of Clinical Neurophysiologists*. Can J Neurol Sci. 2017; 44: 631-642. doi:10.1017/cjn.2017.217
- 14 Prairie Collaborative Immune Globulin Utilization Management Framework Project. *Criteria for the clinical use of immune globulin, 1st edition: Background document*. Alberta Ministry of Health, Shared Health Manitoba, and Saskatchewan Ministry of Health; April 2018. Open access. Available at: <http://www.ihe.ca>
- 15 T Sawchuk, **JP Appendino**, M Scantlebury. *Hypnosis-Induced Psychogenic Non-Epileptic Seizures In The Pediatric Epilepsy Monitoring Unit-A Case Study*. EPILEPSIA 59, S240-S240.
- 16 Steven Weger, **Juan Pablo Appendino**, Ian H. Clark. *Longstanding and Refractory Anti-Muscle Specific Tyrosine Kinase Antibody-Associated Myasthenia Gravis (Anti-MuSK-MG) in a Child Successfully Treated with Rituximab*. J Binocul Vis Ocul Motil. 2019 Jan-Mar;69(1):26-29. doi: 10.1080/2576117X.2019.1578164. Epub 2019 Feb 27.
- 17 Roychoudhury S, Esser MJ, Buchhalter J, et al. *Implementation of Neonatal Neurocritical Care Program Improved Short-Term Outcomes in Neonates With Moderate-to-Severe Hypoxic Ischemic Encephalopathy*. Pediatr Neurol. 2019;101:64–70. doi:10.1016/j.pediatrneurol.2019.02.023
- 18 Peikes T, Hartley JN, Mhanni AA, Greenberg CR, **Appendino JP**. *Reflex Seizures in a Patient with CDKL5 Deficiency Disorder*. Can J Neurol Sci. 2019 Apr 29;1-4. doi: 10.1017/cjn.2019.29.
- 19 Marisa Chard, **Juan Pablo Appendino**, Luis E. Bello-Espinosa, Colleen Curtis, Jong M. Rho, Xing-Chang Wei, Walla Al-Hertani. *Single-center experience with Beta-propeller protein-associated neurodegeneration (BPAN); expanding the phenotypic spectrum*. Mol Genet Metab Rep. 2019 Jun 19;20:100483.
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- 20 Jaya Punetha, Ender Karaca, Alper Gezdirici, Ryan E. Lamont, Davut Pehlivan, Dana N. Marafi, **Juan P. Appendino**, Jill V. Hunter, Zeynep C. Akdemir, Jawid M. Fatih, Shalini N. Jhangiani, Richard A. Gibbs, A. M. Innes, Jennifer E. Posey, James R. Lupski. *Biallelic CACNA2D2 variants in epileptic encephalopathy and cerebellar atrophy*. *Ann Clin Transl Neurol*. 2019 Aug;6(8):1395-1406.
- 21 **Appendino JP**, Boelman C, Brna PM, Burneo JG, Claassen CS, Connolly MB, De Guzman MVT, Federico P, Floyd D, Huntsman RJ, Javidan M, Jette N, Jurasek LL, Keezer MR, Lau JC, McCoy B, McLachlan RS, Ng MC, Nguyen DK, Reid AY, Rho JM, Snead OC, Téllez-Zenteno JF, Wang L, Zak MM. *Position Statement on the Use of Medical Cannabis for the Treatment of Epilepsy in Canada*. *Can J Neurol Sci*. 2019 Aug 30:1-8.
- 22 **Appendino JP**, Appendino JI. [*Genetically determined epileptic encephalopathies*]. *Medicina (B Aires)*. 2019;79 Suppl 3:42-47. Spanish.
- 23 Wiwchar LD, Hader W, Pauranik A, Joseph JT, **Appendino JP**. *Focal seizures associated with the chapeau de gendarme sign or ictal pouting of insular origin*. *Epilepsy Behav Rep*. 2019;12:100347.
- 24 Woodward KE, Shah RM, Benseler S, Wei XC, Ng D, Grossman J, Hahn C, Thomas MA, Wright NAM, **Appendino JP**. *Considering immunologic and genetic evaluation for HLH in neuroinflammation: A case of Griscelli syndrome type 2 with neurological symptoms and a lack of albinism*. *Pediatr Blood Cancer*. 2020 Aug;67(8):e28312. doi: 10.1002/pbc.28312. Epub 2020 May 27. PMID: 32459386.
- 25 Peikes T, Hartley JN, Mhanni AA, Greenberg CR, **Appendino JP**. *A Case Series and Review of CDKL5 Deficiency Disorder: More than Rett*. *Genetics and Genomics*. 2020 Apr. Volume 1(1): 3-7. DOI: 10.31487/j.GG.2020.01.02.
- 26 **Appendino JP**, Baker SK, Chapman KM, Dykstra T, Hussein T, Jones ML, Mezei MM, Mirsattari SM, Ng M, Nikkel J, Obradovic V, Phan C, Robinson L, Scott A, Tellez-Zenteno J, Van Niekerk M, Venance S, Moore F. Canadian Society of Clinical Neurophysiologists (CSCN); Canadian Association of Electroneurophysiology Technologists (CAET); Association of Electromyography Technologists of Canada (AETC); Board of Registration of Electromyography Technologists of Canada (BRET), Canadian Board of Registration of Electroencephalograph Technologists (CBRET), *Practice Guidelines for Canadian Neurophysiology Laboratories During the COVID-19 Pandemic*. *Can J Neurol Sci*. 2021 Jan;48(1):25-30. doi: 10.1017/cjn.2020.184.
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- 27 Maghera J, Li J, Lamothe SM, Braun M, **Appendino JP**, Au PYB, Kurata HT. *Familial neonatal seizures caused by the Kv7.3 selectivity filter mutation T313I*. *Epilepsia Open*. 2020 Oct 17;5(4):562-573. doi: 10.1002/epi4.12438.
- 28 **Appendino JP**, Baker S, Chapman KM, Dykstra T, Hussein T, Jones ML, Mezei MM, Mirsattari SM, Ng M, Nikkel J, Obradovic V, Phan C, Robinson L, Scott A, Tellez-Zenteno J, Van Niekerk M, Venance S, Moore F. *Response from authors to the Letter to the Editor*. *Can J Neurol Sci*. 2021 Jan;48(1):135-137. doi: 10.1017/cjn.2020.225.
- 29 **Appendino JP**, Baker S, Chapman KM, Dykstra T, Hussein T, Jones ML, Mezei MM, Mirsattari SM, Ng M, Nikkel J, Obradovic V, Phan C, Robinson L, Scott A, Tellez-Zenteno J, Van Niekerk M, Venance S, Moore F. *Response from Authors to the Letter to the Editor*. *Can J Neurol Sci*. 2021 Jan;48(1):135-137.
- 30 Azeem A, Kirton A, **Appendino JP**, Kozlik S, Mineyko A. *Automated quantification of spike-wave activity may be used to predict the development of electrical status epilepticus in sleep (ESES) in children with perinatal stroke*. *Clin Neurophysiol*. 2021 Jan;132(1):146-153. doi: 10.1016/j.clinph.2020.11.003.
- 31 Buchhalter JR, Scantlebury MH, D'Alfonso S, **Appendino JP**, Bello Espinosa L, Brooks BL, Claassen C, Corbeil J, Czank D, Dean S, Ho AW, Jacobs J, Mackay M, McMahan J, Mineyko A, Rho JM, Roberts T, Rothenmund S, Ruta G, Sawchuk T, Simms BA, Smyth K, Still T, Thornton N. *Creation and implementation of an electronic health record note for quality improvement in pediatric epilepsy: Practical considerations and lessons learned*. *Epilepsia Open*. 2021 Jun;6(2):345-358. doi: 10.1002/epi4.12480.
- 32 Klotz KA, Borlot F, Scantlebury MH, Payne ET, **Appendino JP**, Schönberger J, Jacobs J. *Telehealth for Children With Epilepsy Is Effective and Reduces Anxiety Independent of Healthcare Setting*. *Front Pediatr*. 2021 Jun 10;9:642381. doi: 10.3389/fped.2021.642381. PMID: 34178881; PMCID: PMC8222691.
- 33 Huntsman RJ, Kelly LE, Alcorn J, **Appendino JP**, Bélanger RE, Crooks B, Finkelstein Y, Gilpin A, Lewis E, Litalien C, Jacobs J, Moore-Hepburn C, Oberlander T, Rassekh SR, Repetski AE, Rieder MJ, Shackelford A, Siden H, Szafron M, 't Jong GW, Vaillancourt R; Cannabinoid Research Initiative of Saskatchewan and the Canadian Childhood Cannabinoid Clinical Trial (C4T) Consortium. *Improving the regulation of medical cannabis in Canada to better serve pediatric patients*. *CMAJ*. 2021 Oct 18;193(41):E1596-E1599. doi: 10.1503/cmaj.202169.
- 34 Johannesen KM, Gardella E, Gjerulfsen CE, Bayat A, Rouhl RPW, Reijnders M, Whalen S, Keren B, Buratti J, Courtin T, Wierenga KJ, Isidor B, Piton A, Faivre
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- L, Garde A, Moutton S, Tran-Mau-Them F, Denommé-Pichon AS, Coubes C, Larson A, Esser MJ, **Appendino JP**, Al-Hertani W, Gamboni B, Mampel A, Mayorga L, Orsini A, Bonuccelli A, Suppiej A, Van-Gils J, Vogt J, Damioli S, Giordano L, Moortgat S, Wirrell E, Hicks S, Kini U, Noble N, Stewart H, Asakar S, Cohen JS, Naidu SR, Collier A, Brilstra EH, Li MH, Brew C, Bigoni S, Ognibene D, Ballardini E, Ruivenkamp C, Faggioli R, Afenjar A, Rodriguez D, Bick D, Segal D, Coman D, Gunning B, Devinsky O, Demmer LA, Grebe T, Pruna D, Cursio I, Greenhalgh L, Graziano C, Singh RR, Cantalupo G, Willems M, Yoganathan S, Góes F, Leventer RJ, Colavito D, Olivotto S, Scelsa B, Andrade AV, Ratke K, Tokarz F, Khan AS, Ormieres C, Benko W, Keough K, Keros S, Hussain S, Franques A, Varsalone F, Grønberg S, Mignot C, Heron D, Nava C, Isapof A, Borlot F, Whitney R, Ronan A, Foulds N, Somorai M, Brandsema J, Helbig KL, Helbig I, Ortiz-González XR, Dubbs H, Vitobello A, Anderson M, Spadafore D, Hunt D, Møller RS, Rubboli G; PURA study group. *PURA-Related Developmental and Epileptic Encephalopathy: Phenotypic and Genotypic Spectrum*. *Neurol Genet*. 2021 Nov 15;7(6):e613.
- 35 Huntsman RJ, Kelly LE, Alcorn J, **Appendino JP**, Bélanger RE, Crooks B, Finkelstein Y, Gilpin A, Lewis E, Litalien C, Jacobs J, Moore-Hepburn C, Oberlander T, Rassekh SR, Repetski AE, Rieder MJ, Shackelford A, Siden H, Szafron M, 't Jong GW, Vaillancourt R; pour la Cannabinoid Research Initiative of Saskatchewan et le Consortium C4T (Canadian Childhood Cannabinoid Clinical Trial). *Améliorer la réglementation du cannabis médical au Canada pour mieux servir les patients pédiatriques*. *CMAJ*. 2021 Dec 6;193(48):E1864-E1867. French. doi: 10.1503/cmaj.202169-f
- 36 Yang, X.R., Poulin, H., Pouliot, V., Plumereau, Q., **Appendino, J.P.**, Billie Au, P.Y. and Chahine, M., 2022. Biophysical characterization of SCN1A and SCN2A variants related to epilepsy. *Biophysical Journal*, 121(3), p.96a.
- 37 Spring AM, Pittman DJ, Rizwan A, Aghakhani Y, Jirsch J, Connolly M, Wiebe S, **Appendino JP**, Datta A, Steve T, Pillay N, Javidan M, Scantlebury M, Hrazdil C, Josephson CB, Boelman C, Gross D, Singh S, Bello-Espinosa L, Huh L, Jetté N, Federico P. Effect of Training on Visual Identification of High Frequency Oscillations-A Delphi-Style Intervention. *Front Neurol*. 2022 Feb 14;13:794668. doi: 10.3389/fneur.2022.794668. PMID: 35237228; PMCID: PMC8884138.
- 38 Prairie Collaborative Immune Globulin Utilization Management Framework Project. Criteria for the clinical use of immune globulin, 2nd edition: Background document. Alberta Ministry of Health, Shared Health Manitoba, and Saskatchewan Ministry of Health. Institute of Health Economics. February 2022. Canada. <https://www.ihe.ca/research-programs/guideline-adaptation-and-development/immune-globulin-guideline>
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- 39 Cherian C, **Appendino JP**, Ashtiani S, Federico P, Molnar CP, Kerr M, Khan A, Au PYB, Klein KM. The phenotypic spectrum of KCNT1: a new family with variable epilepsy syndromes including mild focal epilepsy. *J Neurol*. 2022 Apr;269(4):2162-2171. doi: 10.1007/s00415-021-10808-y. Epub 2021 Sep 19. PMID: 34537872.
- 40 Yang XR, Ginjupalli VKM, Theriault O, Poulin H, **Appendino JP**, Au PYB, Chahine M. SCN2A-related epilepsy of infancy with migrating focal seizures: report of a variant with apparent gain- and loss-of-function effects. *J Neurophysiol*. 2022 May 1;127(5):1388-1397. doi: 10.1152/jn.00309.2021. Epub 2022 Apr 13. PMID: 35417276; PMCID: PMC9109789.
- 41 Abend N, Adams E, Al Balushi A, Alburaki W, **Appendino J**, Barbosa VS, Birca A, Bonifacio S, Branagan A, Chang T, Chowdhury R, Christou H, Chu C, Cilio MR, Comani S, Corsi-Cabrera M, Croce P, Cubero-Rego L, Dawoud F, de Vries L, Dehaes M, Devane D, Duncan A, El Ters N, El-Dib M, Elshibiny H, Esser M, Fairchild K, Finucane E, Franceschini MA, Gallagher A, Ghosh A, Glass H, Venkata SKRG, Baillet TH, Herzberg E, Hildrey E, Hurley T, Inder T, Jacobs E, Jefferies K, Jermendy A, Khazaei M, Kilmartin K, King G, Lauronen L, Lee S, Leijser L, Lind J, Llaguno NS, Machie M, Magalhães M, Mahdi Z, Maluomi J, Marandyuk B, Massey S, McCulloch C, Metsäranta M, Mikkonen K, Mohammad K, Molloy E, Momin S, Munster C, Murthy P, Netto A, Nevalainen P, Nguyen J, Nieves M, Nyman J, Oliver N, Peeters C, Pietrobon RFR, Pijpers J, Pinchevsky E, Ping YB, Quirke F, Raeisi K, Ricardo-Garcell J, Robinson J, Rodrigues DP, Rosati J, Scott J, Scringier-Wilkes M, Shellhaas R, Smit L, Soul J, Srivastava A, Steggerda S, Sunwoo J, Szakmar E, Tamburro G, Thomas S, Toiviainen-Salo S, Toma AI, Vanhatalo S, Variane GFT, Vein A, Vesoulis Z, Vilan A, Volpe J, Weeke L, Wintermark P, Wusthoff C, Zappasodi F, Zein H, Zempel J. Proceedings of the 13th International Newborn Brain Conference: Neonatal Neurocritical Care, Seizures, and Continuous EEG monitoring. *J Neonatal Perinatal Med*. 2022;15(2):467-485. doi: 10.3233/NPM-229006. PMID: 35431189.
- 42 Martínez-Juárez IE, Del Carmen Garcia M, Camilo-Cotuá UJ, Paredes-Aragón E, Chang-Segura JL, Guzmán-Sánchez KE, Barreto E, **Appendino JP**, Rios-Polh L, Andrade A, Mayor LC, Burneo JG. An international consortium in epilepsy surgery education: Clinical case-based discussions between Latin-American and Canadian Epilepsy Centers. *Epilepsy Behav*. 2022 Jun 23;133:108803. doi: 10.1016/j.yebeh.2022.108803. Epub ahead of print. PMID: 35753110.
- 43 Pijpers, J., Au, P., Weeke, L., Vein, A., Smit, L., Vilan, A., . . . **Appendino, J.** (2022). P.100 Early recognition of unique conventional and amplitude-integrated
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EEG patterns and clinical semiology of neonatal seizures caused by SCN2A and KCNQ3 mutations. Canadian Journal of Neurological Sciences / Journal Canadien Des Sciences Neurologiques, 49(S1), S34-S34. doi:10.1017/cjn.2022.195

- 44 **Appendino JP**. Hypermotor-tonic-spasms seizure sequence related to CDKL5 deficiency disorder: a typical case. Epileptic Disord. 2022 Dec 1;24(6):1-2. English. doi: 10.1684/epd.2022.1480. PMID: 35934889.

Accepted for Publication (In Press):

- 1 “Proposed pathway for utilization of ambulatory EEG in children based on our center experience and literature review.” Borlot F1, Kozlik S, Alfaro L, Ho AW, **Appendino JP**, Payne ET, Scantelbury MH, Jacobs J. Journal of Clinical Neurophysiology.
- 2 Zhan, X., Drummond-Main, C., Greening, D., Yao, J., Chen, S.W.R., **Appendino, J-P**, Au, P.Y.B., and Turner, R.W. Cannabidiol counters the effects of a dominant-negative pathogenic Kv7.2 variant. Accepted, iScience. Aug. 20 2022. IF = 5.74

### On-line Courses

- 1 Canadian Epilepsy Teaching Network (CETN) monthly seminars. RCPSC CME Approved. January 2021. Canada (<https://www.claegroup.org/CETN-Program>)
- 2 “Neonatal Neuro-Critical Care online teaching modules”. RCPSC MOC Section 3 Self-Assessment Program. 54 hours CME Approved. March 1, 2021. Canada. (<https://ncceducation.thinkific.com/>)

### Book Chapter/Editing

- 1 **Appendino JP**, Santillan L, Torres J. Pediatric Pain Management. Guidelines: Inpatients’ Management Handbook. Hospital Privado Publishing. Córdoba. Argentina. 2003.
- 2 **Appendino JP**. “Enfermedades Neurocutaneas” (Phakomatosis). Libro de Pediatría (Paediatric Textbook). Universidad Católica de Córdoba Publishing. Córdoba. Argentina. 2013.
- 3 **Appendino JP**. “Enfermedades Neurocutaneas” (Phakomatosis). Convulsiones y Epilepsia en Niños (Seizures and Epilepsy in Children). Editorial Pontificia Universidad Javeriana, Bogota, D.C. Colombia. 2014.

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- 4 **Appendino JP**, Claassen C, Rho JM, Still T, Uphill B. “Handbook of Antiseizure Drugs, 2<sup>nd</sup> Edition (2019)”. Alberta Children’s Hospital. University of Calgary. Calgary, AB. Canada. 2019.

### Abstracts

- 1 Carrizo L, **Appendino JP**. Chagas Disease’s epidemiology at Santiago del Estero Province, Argentina. Chair of Pathology. School of Medicine. National University of Córdoba. 1995. Annals Books 1996.
  - 2 **Appendino JP**. Post Renal Transplantation Lymphoproliferative Disease (PTLD). X<sup>th</sup> National Congress of Medicine. Mendoza. Argentina. 2001.
  - 3 Vettorazzi L, **Appendino JP**, Alvarello T. Epstein-Barr Virus DNA blood levels determination from Renal Transplantation Patients. X<sup>th</sup> National Congress of Medicine. Mendoza. Argentina. 2001.
  - 4 Arenas V, **Appendino JP**, Maldonado M. PTLD. Our Experience. VI<sup>th</sup> National Congress of Organs Transplantation. Mar del Plata. Argentina. 2001.
  - 5 **Appendino JP**, Arazi C, Bas J. Bilateral Chylothorax in a Term Newborn secondary to Bilateral Subclavia Thrombosis. A Case Report. III<sup>rd</sup> National Congress of Paediatric Pneumonology. Córdoba. Argentina. 2002.
  - 6 **Appendino JP**, Cuestas E. Clinic predictor factors of Rotavirus in acute diarrhoea. XXX<sup>th</sup> National Congress of Paediatric. Mar del Plata. Argentina. 2003. SAP website ([www.sap.org.ar](http://www.sap.org.ar))
  - 7 Borgna G, **Appendino JP**. Cutis Laxa associated with chronic myeloid leukaemia. XXX<sup>th</sup> National Congress of Pediatrics. Mar del Plata. Argentina. 2003. SAP website ([www.sap.org.ar](http://www.sap.org.ar))
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  - 9 **Appendino JP**, Cortez M, Soman T. EEG in the Newborn with Sinus Venous Thrombosis. Paediatric Research Day 2007. Hospital for Sick Children. Toronto, ON, Canada. 2007
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- 10 **Appendino JP**, McNamara P, Keyzers M, Stephens D, Hahn C. Impact of amplitude integrated EEG in NICU practice. American Epilepsy Society. Seattle, Washington. 2008. *Epilepsia* 2008: 49 Issue s7 (1-2)
  - 11 **Appendino JP**, McNamara P, Keyzers M, Stephens D, Hahn C. Impact of amplitude integrated EEG in NICU practice. Paediatric Research Day 2009. Hospital for Sick Children. Toronto, ON, Canada. 2009
  - 12 **Appendino JP**, Cortez M, Otsubo H, deVeber G, Moharir M. Effects of seizures on outcome in neonatal stroke. International Child Neurology Association. Cairo. Egypt. 2010. (*Abstract# PO-Vas 15*)
  - 13 **Appendino JP**, deVeber G, Cortez M, Otsubo H, Moharir M. The Effect of Seizures on Outcome in Neonatal Ischemic Stroke. American Epilepsy Society. San Antonio. USA. 2010. (*Abstract#3,135. Ranked top 10% abstract among 1107 abstracts*)
  - 14 Steski SN, Stannard KM, Dufault B, **Appendino JP**. Clinical Predictors of an abnormal brain MRI in children with epilepsy. American Epilepsy Society. San Diego. USA. 2012. (*Abstract#2,338*)
  - 15 Brebesh B, **Appendino JP**. Midline spikes in children, is long-term treatment needed? American Epilepsy Society. Philadelphia. 2015. (*Abstract #2,103*)
  - 16 Roychoudhury S, Esser M, Buchhalter J, Bello-Espinosa L, Zein H, Howlett A, Thomas S, Murthy P, **Appendino JP**, Metcalfe C, Lind J, Oliver N, Kozlik S, Mohammad K. Implementation of Neonatal Neuro-Critical Care (NNCC) program associated with improved short term outcomes in neonates with moderate to severe Hypoxic Ischemic Encephalopathy (HIE). Canadian National Perinatal Research Meeting (CNPRM). Banff. 2018. (*Abstract # 0143\_0218\_000259*)
  - 17 Roychoudhury S, Esser M, Buchhalter J, Bello-Espinosa L, Zein H, Howlett A, Thomas S, Murthy P, **Appendino JP**, Metcalfe C, Lind J, Oliver N, Kozlik S, Mohammad K. Implementation of Neonatal Neuro-Critical Care (NNCC) program associated with improved short term outcomes in neonates with moderate to severe Hypoxic Ischemic Encephalopathy (HIE). Pediatric Academic Societies (PAS) Meeting. Toronto. 2018. (*Abstract # 83*)
  - 18 Roychoudhury S, Esser M, Buchhalter J, Bello-Espinosa L, Zein H, Howlett A, Thomas S, Murthy P, **Appendino JP**, Metcalfe C, Lind J, Oliver N, Kozlik S, Mohammad K. Neonatal Neuro-Critical Care (NNCC) program associated with improved short term outcomes in neonates significant Hypoxic Ischemic
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- 19 Braun M, Bello-Espinosa L, **Appendino JP**, Buchhalter J, Mohammad K, Esser M. Utility analysis of continuous video EEG (cvEEG) monitoring during the treatment of hypoxic ischemic encephalopathy (HIE) in the NICU. Canadian Neurological Sciences Federation, 53rd Annual Congress. Halifax, NS. Canada 2018.
- 20 Sawchuk T, **Appendino JP**, Scantlebury M. Hypnosis-Induced Psychogenic Non-Epileptic Seizures in the Pediatric Epilepsy Monitoring Unit - A Case Study. 13th European Congress on Epileptology. Vienna, 2018. (*Abstract: A-967-0022-00811*)
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- 22 Bello-Espinosa L, Rho J, Buchhalter J, **Appendino JP**, Scantlebury M, Ho AW. Use of artisanal cannabidiol among children with treatment-resistant epilepsy in Southern Alberta. American Epilepsy Society meeting, 2018. New Orleans. USA. Abstract# 1.237
- 23 Roychoudhury, S., Esser, M., Buchhalter, J., Bello-Espinosa, L., Zein, H., Howlett, A., Thomas S., Murthy P., **Appendino J.P.**, Metcalfe C., Lind J., Oliver N., Kozlik S., Mohammad, K. (2018). B.01 Neonatal Neuro-Critical Care (NNCC) program associated with improved short-term outcomes in neonates significant Hypoxic Ischemic Encephalopathy (HIE). Canadian Journal of Neurological Sciences / Journal Canadien Des Sciences Neurologiques, 45(S2), S12-S11. doi:10.1017/cjn.2018.89
- 24 Villareal-Garza E., MacAllister W., **Appendino JP**. Diagnóstico de estado epiléptico eléctrico del sueño (ESES): 100 segundos vs 300 segundos en N1 y N2 de la etapa del sueño. Academia Iberoamericana de Neurología Pediátrica. Lima, Perú. October 2019. *Platform session.*
- 25 N Liu, M Scantlebury, **JP Appendino**, J Buchhalter, L Bello-Espinosa, A Ho, C Claassen, W MacAllister, A Mineyko. Treatment of Continuous Spike and Wave During Sleep (CSWS) at The Alberta Children's Hospital (ACH)— A collaboratively developed protocol. North American Epilepsy Congress. Toronto, ON. Canada. Sep 24 – 27, 2020. Abstract# 207.
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- 26 Cherian C, **Appendino JP**, Ashtiani S, Federico P, Khan A, Au PYB, Klein KM. Expansion of the phenotypic spectrum of KCNT1. Calgary Epilepsy Program / Hotchkiss Brain Institute. Epilepsy Neuroteam. Research Retreat. Calgary, AB. Canada. October 1, 2020.
- 27 Kozlik S; Alfaro L; Ho A; **Appendino JP**; Scantlebury M; Jacobs J. Yield and helpfulness of ambulatory EEG in a tertiary pediatric epilepsy program. American Epilepsy Society meeting. Dec 4 – 8, 2020. Abstract# 892.
- 28 Parfyonov M; Healey G; Crowley S; Kristin Short; Sanhan S; **Appendino JP**; Vallance B; Huh L. Leveraging the gut microbiota in pediatric refractory epilepsy: Safety and feasibility of oligofructose-enriched inulin supplementation for dysbiosis and seizure control. American Epilepsy Society meeting. Dec 4 – 8, 2020. Abstract# 164.
- 29 Cherian C, **Appendino JP**, Ashtiani S, Federico P, Molnar CP, Kerr M, Khan A, Au PYB, Klein KM. The phenotypic spectrum of KCNT1: a new family with variable epilepsy syndromes including mild focal epilepsy. 34<sup>th</sup> International Epilepsy Congress. Aug 28 – Sep 1, 2021.
- 30 **Appendino JP**, Cherian C, Ashtiani S, Federico P, Molnar CP, Kerr M, Khan A, Au PYB, Klein KM. The Phenotypic Spectrum of KCNT1: A New Family with Variable Epilepsy Syndromes and Severity. 2021 Canadian League Against Epilepsy Scientific Meeting. Sep 24 – 26, 2021. Abstract# 11.
- 31 Klotz K, Borlot F, Scantlebury M, Payne E, **Appendino JP**, Schönberger J, Jacobs J. Telehealth for Children with Epilepsy is Effective and Reduces Anxiety Independent of Healthcare Setting. 2021 Canadian League Against Epilepsy Scientific Meeting. Sep 24 – 26, 2021. Abstract# 40.
- 32 Borlot F, Kozlik S, Alfaro L, Ho A, **Appendino JP**, Payne E, Scantlebury M, Jacobs J. Proposed Pathway for the Utilization of Pediatric Ambulatory EEG. 2021 Canadian League Against Epilepsy Scientific Meeting. Sep 24 – 26, 2021. Abstract# 41.
- 33 **Appendino JP**, Yang X-R, Ginjupalli VK, Theriault O, Poulin H, Chahine M, Au PYB. SCN2A-Related Epilepsy of Infancy with Migrating Focal Seizures: Report of a Variant with an Apparent Loss of Function Effect. 2021 Canadian League Against Epilepsy Scientific Meeting. Sep 24 – 26, 2021. Abstract# 42.
- 34 Judith A. Pijpers, Ping Yee Billie Au, Lauren Weeke, Alla A. Vein, Liesbeth Smit, Ana Vilan, Elke Jacobs, Linda S. de Vries, Sylke J. Steggerda, Cacha M.P.C.D. Peeters, **Juan P. Appendino**. Early Recognition of Unique Neonatal Seizures Caused by KCNQ3 and SCN2A Mutations Helping Precision Medicine
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Therapy. American Epilepsy Society meeting. Chicago, IL, USA. December 3 – 7, 2021. Abstract# 3.146.

35 Jeffery R. Buchhalter, Eric T. Payne, **Juan P. Appendino**, Alice Ho, Julia Jacobs, Morris H. Scantlebury. Demographic & Clinical Data Collected with a Standardized Note Correspond to Pediatric Epilepsy Epidemiology. American Epilepsy Society meeting. Chicago, IL, USA. December 3 – 7, 2021. Abstract# 3.377.

36 Judith A. Pijpers, Ping Yee Billie Au, Lauren Weeke, Alla A. Vein, Liesbeth Smit, Ana Vilan, Elke Jacobs, Linda S. de Vries, Sylke J. Steggerda, **Juan P. Appendino**, Cacha M.P.C.D. Peeters. Early recognition of unique amplitude-integrated EEG patterns and clinical semiology of neonatal seizures caused by SCN2A, KCNQ2 and KCNQ3 mutations. 13<sup>th</sup> International Newborn Brain Conference. Virtual event, USA. February 10 – 12, 2022. Abstract# 37.

## **PRESENTATIONS/INVITED SPEAKER**

### **Local - Provincial**

- 1 Neurology Grand Round: Channelopathies: Epilepsy Chapter. The Hospital for Sick Children. University of Toronto. Canada. August 2006.
  - 2 Neurology Grand Round: Utility of Seizure Semiology in Localization. The Hospital for Sick Children. University of Toronto. Canada. August 2007.
  - 3 Pediatric Grand Rounds: Approach and Recognition of Seizures. The Hospital for Sick Children. University of Toronto. Canada. July 2008.
  - 4 Pediatric Neurology Teaching Session: Childhood Epilepsy Syndromes. The Hospital for Sick Children. University of Toronto. Canada. July 2008.
  - 5 Neurology Grand Round: Neonatal Seizures. The Hospital for Sick Children. University of Toronto. Canada. September 2008.
  - 6 General Pediatrics Grand Rounds: Neonatal Seizures. University of Manitoba. Winnipeg, Manitoba. Canada. March 2009.
  - 7 Pediatric Neuroscience Rounds: Neonatal Seizures. University of Western Ontario. London, Ontario. Canada. June 2009.
  - 8 Neurology Grand Rounds: Neonatal Brain Injury. The Hospital for Sick Children. University of Toronto. Canada. December 2009.
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- 9 Epilepsy Toronto. Special guest speaker at Winter Olympics Retreat. Orillia, ON. Canada. February, 2010.
  - 10 UTERP Rounds: EEG and Clinical Neurophysiology: Questionable Patterns. University of Toronto Epilepsy Research Program. University of Toronto. May 2010.
  - 11 Neurology Grand Rounds: Seizure localization, a semiological approach. Faculty of Medicine. University of Manitoba. Winnipeg. Manitoba. Canada. October, 2010.
  - 12 Epilepsy and Seizures Association of Manitoba Annual Meeting: Epilepsy in Children. Brandon, MB. May 2012.
  - 13 General Pediatrics Grand Rounds: A week in Neurology Service, an interactive session. University of Manitoba. Winnipeg, Manitoba. Canada. March 2013.
  - 14 Neurology Grand Rounds: Paediatric Epilepsy Surgery. Faculty of Medicine. University of Manitoba. Winnipeg. Manitoba. Canada. May, 2013.
  - 15 Neuroscience Grand Rounds: Anti-DPPX Ab epileptic encephalopathy. An overview based on a case (“The girl with dancing eyes”). September, 2015. Calgary, AB. Canada.
  - 16 Several presentations on different topics for students, residents and colleagues (Paediatric and Neurology) of the University of Manitoba programs.
  - 17 Invited speaker at the Annual Conference of the ACMDDT on April 7, 2017. Presentation: “PET and SPECT as tools in epilepsy”. Calgary, AB. Canada.
  - 18 Invited speaker at the Annual Darwish Symposium on October 18, 2017. Presentation: “Utility of the Electroencephalography in the NICU with Special Focus on HIE”. Calgary, AB. Canada.
  - 19 Invited Speaker at the NICU Academic Half Day “Beyond aEEG Trends for Neonatology Workshop”. March 21, 2018. Calgary, AB. Canada.
  - 20 Invited Speaker at the Annual Darwish Symposium on November 23, 2018. “EEG in neurometabolic disorders”. Calgary, AB. Canada.
  - 21 Invited Speaker at the Tuberous Sclerosis Symposium and Parent Engagement Event. January 10, 2019. Calgary, AB. Canada.
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- 22 Invited Speaker at Pediatric Excellence and Knowledge Symposium (PEAKS). “Pediatric Epilepsy and Seizure Management”. April 25-26, 2019. Calgary, AB. Canada.
  - 23 Invited Speaker at Pediatric Excellence and Knowledge Symposium (PEAKS). “Pediatric Epilepsy and Seizure Management”. April 23 – 24, 2020. Calgary, AB. Canada. (*Cancelled due to COVID-19 Pandemic*)
  - 24 Invited Speaker at the Academic Half Day in the Neonatology Training Program. Neonatal Seizures. May 6<sup>th</sup>, 2020. Calgary, AB. Canada.
  - 25 Invited Speaker at the Alberta College of Medical, Diagnostic and Therapeutic Technologists Annual Meeting. Virtual meeting. October 24<sup>th</sup>, 2020. Calgary, AB. Canada.
  - 26 Invited Speaker at the Target Education for Nurses. Virtual meeting. November 17, 2020. Calgary, AB. Canada.
  - 27 Invited Speaker at Pediatric Excellence and Knowledge Symposium (PEAKS). “Pediatric Epilepsy and Seizure Management”. March 30, 2021. Calgary, AB. Canada.
  - 28 Invited Speaker at Unit 3 “Target Education”. “Pediatric Epilepsy and Seizure Management”. June 15, 2021. Calgary, AB. Canada.
  - 29 Small group session Course 6: Pediatrics. “Episodic events”. University of Calgary. October 1, 2021. Calgary, AB. Canada.
  - 30 Invited Speaker at Pediatric Grand Rounds at the Alberta Children’s Hospital. “Gender Equity in the Department of Pediatrics”. December 1<sup>st</sup>, 2021. Calgary, AB. Canada.
  - 31 Invited Speaker at Epilepsy Association of Calgary. Educational rounds: “The good, the bad, and the Yummy. Ketogenic Diet in Epilepsy”. February 17, 2022. Calgary, AB. Canada.
  - 32 Several presentations on different topics for students, nurses, residents and colleagues (Paediatric and Adult Neurology) of the University of Calgary. Calgary, AB. Canada. 2016 – Present.

### **National**

- 1 Annual Pediatric Up Date Meeting: Abnormal Movement Disorder: Opsoclonus-Myoclonus. University of Toronto. Toronto. Canada. May 2008.
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- 2 Canadian Paediatric Society Meeting: the many faces of epilepsy: diagnostic dilemmas and clinical conundrums. London, ON. Canada. June 2012.
  - 3 Canadian Association of Child Neurology Grand Rounds. Oh No, September again! (ADEM and Neuroinflammatory disorders). Winnipeg, MB (Nationwide webcast). Canada. November 2013.
  - 4 Canadian Neurological Sciences Federation meeting. Epilepsy Video Session. Quebec, QC. Canada. June 2016.
  - 5 Canadian Association of Electroneurophysiology Technologists meeting. Opening session. Quebec, QC. Canada. June 2016.
  - 6 Invited speaker at Canadian Association of Electroneurophysiology Technologists meeting. Educational session: "Episodic Events". Victoria, BC. Canada. June 2017.
  - 7 Invited speaker at the Canadian League Against Epilepsy meeting. Presentation: "Seizure Recognition and Patterns of Uncertain Clinical Significance in ICU: What is the New Trend?". Vancouver, BC. Canada. October 2017.
  - 8 Invited Speaker at the Western Epilepsy Workshop "A case of post-stroke epilepsy". Banff, AB. Canada.
  - 9 February 17th, 2018.
  - 10 Chair of Neurophysiology Day course (EEG section) at Canadian Neurological Sciences Federation meeting. June 24, 2018. Halifax, NS. Canada.
  - 11 Invited Speaker at the Canadian Neurological Sciences Federation meeting. "Quantitative EEG, basics for the non-specialist". June 26, 2018. Halifax, NS. Canada.
  - 12 Invited Speaker at the Western Epilepsy Workshop "Are these seizures Doc?". Banff, AB. Canada. February 16<sup>th</sup>, 2019.
  - 13 Invited speaker at Canadian Neurological Sciences Federation meeting. Epilepsy Video Session. Topic: "Insular epilepsy with chapeau de gendarme sign". Montreal, QC. June 16, 2019.
  - 14 Chair of Neurophysiology Day course (EEG section) at Canadian Neurological Sciences Federation meeting. Topic: "EEG: Focal Epilepsies and Epileptic Encephalopathies". Montreal, QC. June 18, 2019.
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- 15 Invited Speaker at the National Epilepsy Residents Course (NERC) 2020. Topic: “Non-medical treatments of drug-resistant epilepsy: Ketogenic Diet, VNS, and CBD oil”. Calgary, AB. Canada. January 25, 2020.
  - 16 Invited Speaker at the Point of Care Ultrasound in Neonatology (POCUSNEO) “Applying and Understanding Cerebral Function Monitoring (CFM or aEEG)”. Banff, AB. Canada. February 16, 2020.
  - 17 Invited Speaker at the Neonatal NeuroCritical Care Whorkshop “Neonatal Seizures”. Calgary, AB. Canada. February 29, 2020.
  - 18 Invited Speaker at the Canadian Association of Electrophysiology Technologists (CAET). Banff, AB. Canada. June 7 – 10, 2020. (*Cancelled due to COVID-19 Pandemic*)
  - 19 Brain Hour Rounds, McMaster University. Virtual meeting. Hamilton, ON. Canada. November 20, 2020.
  - 20 Invited Speaker at the Medical Expert Neonatal Rounds. Virtual meeting. Calgary, AB. Canada. December 2, 2020.
  - 21 Invited Speaker: Medical Expert “Anti-Seizure medications in Pediatric Epilepsy”. Virtual meeting. Calgary, AB. Canada. December 14, 2020.
  - 22 Invited Speaker: Neurology Grand Rounds at The Hospital for Sick Children. “Epileptic Encephalopathies of genetic origin”. Toronto, ON. Canada. March 10, 2021.
  - 23 Invited Speaker: “CME Meeting: Anti-Seizure Medications in Pediatric Epilepsy – a Case-Based Approach”. Toronto, ON. Canada. March 23, 2021.
  - 24 Plenary Session: Ictal Semiology. Chairs: Dr. Jorge Burneo, Western University and Dr. Juan Pablo Appendino, University of Calgary. 2021 Canadian League Against Epilepsy Scientific Meeting. Sep 26, 2021.
  - 25 Invited Speaker at the Western Epilepsy Workshop “A case of neonatal seizure”. Banff, AB. Canada. May, 2022.
  - 26 Clinical Case Study: Video – EEG in epilepsy and other episodic events. Chair: Dr Juan Pablo Appendino. Canadian Neurological Science Federation meeting. Montreal, QC. Canada. June, 2022.
  - 27 Hot Topics in Clinical Neurophysiology: What does a neurophysiologist need to know about COVID?. Co-Chair and Speaker: Dr Fraser Moore and Dr Juan
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Pablo Appendino. Canadian Neurological Science Federation meeting. Topic: Review of the current “Practice Guidelines for Canadian Neurophysiology Laboratories during the COVID-19 Pandemic”. Montreal, QC. Canada. June, 2022.

### **International**

- 1 Universidad Nacional de Córdoba, Hospital Privado de Córdoba. Special Guest Speech: Channelopathies in Epilepsy. December 2006. Córdoba. Argentina.
  - 2 Approach to Neonatal Examination. “Enf. Delicia C. Masvernat” Hospital Regional. January 2007. Concordia, Entre Rios. Argentina.
  - 3 National Epi-Fellows Course: Tuberous Sclerosis and Epilepsy Surgery. American Epilepsy Society Meeting. December, 2009. Boston, MA. United States.
  - 4 Universidad Nacional de Córdoba, Hospital Privado de Córdoba. Neonatal Seizures and aEEG. February 2015. Córdoba, Argentina.
  - 5 Neurology Rounds at The Lady Cilento Children's Hospital: “QEEG in ICU. Calgary experience”. September 2018. Brisbane, Queensland. Australia.
  - 6 PICU Educational Rounds at The Lady Cilento Children's Hospital: “QEEG in PICU. Basics and clinical applications”. September 2018. Brisbane, Queensland. Australia.
  - 7 Frontiers in Neonatal Neuro-Critical Care: Navigating the uncharted territory of the neonatal brain. Topic: “Cases: Interactive session”. March 20 – 23, 2019. Muscat, Oman.
  - 8 Frontiers in Neonatal Neuro-Critical Care: Navigating the uncharted territory of the neonatal brain. Topic: “Applying and understanding cerebral function monitoring (CFM or aEEG)”. March 20 – 23, 2019. Muscat, Oman.
  - 9 Frontiers in Neonatal Neuro-Critical Care: Navigating the uncharted territory of the neonatal brain. Topic: “Biomarkers of Brain Injury”. March 20 – 23, 2019. Muscat, Oman.
  - 10 Frontiers in Neonatal Neuro-Critical Care: Navigating the uncharted territory of the neonatal brain. Topic: “Beyond aEEG: EEG trends for neonatology”. March 20 – 23, 2019. Muscat, Oman.
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- 11 Academia Iberoamericana de Neurologia Pediatrica [Iberoamerican Pediatric Neurology Academy]. Topic: “Epileptic Encephalopathies of genetic origin”. Lima, Peru. October 11, 2019.
  - 12 Neurocriticon 2020 International Meeting. Topic: “Applying and understanding cerebral function monitoring (CFM)”. January 18 – 19, 2020. Kochi, India.
  - 13 Neurocriticon 2020 International Meeting. Topic: “Hands-on session: cerebral function monitoring (CFM/aEEG)”. January 18 – 19, 2020. Kochi, India.
  - 14 Neurocriticon 2020 International Meeting. Topic: “Amplitude Integrated EEG, applications and limitations”. January 18 – 19, 2020. Kochi, India.
  - 15 Neurocriticon 2020 International Meeting. Topic: “Beyond aEEG: EEG Trends”. January 18 – 19, 2020. Kochi, India.
  - 16 Neurocriticon 2020 International Meeting. Topic: “Interactive case based discussions”. January 18 – 19, 2020. Kochi, India.
  - 17 Banff International Epilepsy Symposium. Topic: “Pediatric Clinical Case: Familial frontal lobe epilepsy”. January 31, 2020. Banff, AB. Canada.
  - 18 Canada-India Neonatal Collaboration for Excellence in Research and Education. Topic: “Amplitude Integrated EEG (aEEG)”. June 16, 2020. Lucknow, India.
  - 19 North-American Epilepsy Congress (NAEC). Topic: “Challenging case for epilepsy surgery. Implications of motor function representation after early brain injuries”. September 24 – 27, 2020. Toronto, ON. Canada.
  - 20 “Liga Argentina Contra la Epilepsia (LACE)”. Topic: “Neonatal seizures and epilepsy syndromes”. October 15 – 17, 2020. Buenos Aires. Argentina.
  - 21 “Liga Argentina Contra la Epilepsia (LACE)”. Topic: “Continuous video-EEG monitoring in pediatric population”. October 15 – 17, 2020. Buenos Aires. Argentina.
  - 22 “Discusión de casos con Epilepsia: Latinoamérica V” [Discussion of Epilepsy cases: Latin-America V]. Topic: “Remodeling of motor function in cerebral palsy and its implications in epilepsy surgery”. October 22, 2020. Mexico City. Mexico.
  - 23 “Simposio Virtual de Epilepsia Pediátrica (ASCONI): Encefalopatías Epilépticas y del desarrollo”. Topic: “Developmental Epileptic Encephalopathies”. Bogotá, Colombia. October 16, 2020.
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- 24 “Jornadas de Epilepsia, Guatemala: Encefalopatías Epilépticas”. Topic: “Epileptic Encephalopathies of Genetic origin, genetic primers”. Guatemala City. Guatemala. October 29, 2020.
  - 25 Guatemala Epilepsy Congress (chapter of the International League Against Epilepsy – ILAE). Topic: “Epileptic Encephalopathies of Genetic origin from a clinical standpoint” Guatemala City. November 30, 2020.
  - 26 Colombian Regional Symposium of Pediatric Neurology: “Controversies in Neonatal Seizures”. Bogotá, Colombia. March 20, 2021.
  - 27 Liga Argentina en Contra de la Epilepsia (LACE), webinar series: “Improving the prognosis of epilepsies and seizures using cvEEG and EEG trends” [“Mejorando el pronóstico de crisis y epilepsias usando monitoreo de EEG continuo y tendencias”]. Buenos Aires, Argentina. April 13, 2021.
  - 28 International “Neonatal Neuro-Critical Care Pearls aEEG E-Workshop”. Topic: Beyond aEEG: EEG trends for Neonatology Workshop”. Saudi Arabia. August 28, 2021.
  - 29 [Asociación Colombiana de Neurología Pediátrica (ASCONI)]. Colombian National Congress of Pediatric Neurology. Topic: “Neuromodulation in Epilepsy”. Bogotá. Colombia. September 11, 2021.
  - 30 Iberoamerican Academy of Pediatric Neurology [Academia Iberoamericana de Neurología Pediátrica – AINP]. Annual meeting (Virtual). Topic: “Utility of the video-EEG in clinical practice”. Paraguay. October 28 – 29, 2021.
  - 31 Mexican Academy of Neurology [Academia Mexicana de Neurología]. XLV National Congress (Virtual). Topic: “The use of LITT in epilepsy surgery: concepts, benefits and limitations”. Mexico. November 2021.
  - 32 Roundtable discussion: A critical look at the barriers to prescribed cannabis medicine in children with intractable epilepsy in the UK. Topic: “My experience in dealing with CBD oil for epilepsy in children in Canada”. International virtual round table. London, England. December 13, 2021.
  - 33 Neonatal Neurocritical Care e-Conference. International Virtual Congress. Topic: “Neonatal Seizures”. From 15/Dec/2021 to 26/Jan/2022. Toronto, Canada. (<https://pocusneo.vii.events/>)
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- 34 Neonatal Neurocritical Care e-Conference. International Virtual Congress. Topic: “Advanced aEEG”. From 15/Dec/2021 to 26/Jan/2022. Toronto, Canada. (<https://pocusneo.vii.events/>)
  - 35 Persyst Virtual Grand Rounds. “Advanced EEG monitoring in the Neonatal ICU”. February 28, 2022. USA – International. (<https://www.persyst.com/grandrounds/>)
  - 36 “Discusión de casos con Epilepsia: Latinoamérica XIX” [Discussion of Epilepsy cases: Latin-America XIX]. Topic: “Is this a seizure Doc!? The many faces of episodic events”. March 31, 2022. Bogota, Colombia (Virtual).
  - 37 Sociedad Argentina de Neurología Infantil (SANI - Argentinean Pediatric Neurology Society). National Symposium. Topic: “Actualización de Tratamientos Farmacológicos en Estatus Epiléptico” (Updates on pharmacological treatments for status epilepticus). April 21 – 22, 2022. Mendoza, Argentina.
  - 38 Banff International Epilepsy Symposium. Topic: “Pediatric Clinical Case: how small is small?”. May 6, 2022. Banff, AB. Canada.
  - 39 Invited Speaker. Advances in Pediatric Neurology meeting. Asociación Colombiana de Neurología Infantil (ASCONI). Topic: “Neuromodulation in Epilepsy Treatment”. May 20, 2022. Bogotá, Colombia.
  - 40 Invited Speaker. Advances in Pediatric Neurology meeting. Asociación Colombiana de Neurología Infantil (ASCONI). Topic: “Abnormal Movements, a case-based approach”. May 21, 2022. Bogotá, Colombia.
  - 41 Main Speaker. Pediatric Grand Rounds. Academic Hospital, Universidad San Javeriana. Topic: Intensive Care Monitoring, QEEG and EEG”. May 24, 2022. Bogota, Colombia.
  - 42 Invited international speaker. International Symposium for the 40<sup>th</sup> anniversary of the ColSubsidio Clinic. Topic: “Management of drug-resistant epilepsy in children”. May 26, 2022. Bogota Colombia.
  - 43 Invited international speaker. International Symposium for the 40<sup>th</sup> anniversary of the ColSubsidio Clinic. Topic: “EEG monitoring in the critically ill newborn and child”. May 26, 2022. Bogota Colombia.
  - 44 Invited international speaker. International Neurology Congress. Topic: “Pediatric Epilepsy Surgery”. June 4, 2022. Cartagena, Colombia.
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## HONOURS, AWARDS AND RECOGNITIONS

- 1 **“Special Recognition Award”**. School of Medicine, National University of Córdoba. Dean Prof. Dr. Carlos María Onetti. For my valuable collaboration in the prevention activities and teaching skills on the “World Free Tobacco Day”. Universidad Nacional de Córdoba. Córdoba, Argentina. 1996.
  - 2 **“Special Recognition Award”**. School of Medicine, National University of Córdoba. Dean Prof. Dr. Héctor David Ferreyra and Honorable Directive Council from School of Medicine, National University of Córdoba. Presented to an outstanding student whose extracurricular activity improved the scientific community. (Due to my participation as Secretary at the “VII<sup>th</sup> COCAEM” National Congress of Scientific Medical Students from Argentina). Universidad Nacional de Córdoba. Córdoba, Argentina. 1997
  - 3 **“Medicine Progress Foundation Academic Award”**. Presented annually to an outstanding resident in each subspecialty. Consist of an annual grant support for academic use. I won it in four consecutive years. Hospital Privado de Córdoba. Universidad Nacional de Córdoba. Córdoba, Argentina. 2000 – 2004.
  - 4 **“Dr William Logan Award”**. Annually presented to a Neurology Resident or Fellow for its excellence in clinical teaching. The Hospital for Sick Children. University of Toronto. Toronto, Canada. 2007.
  - 5 **“Dr John Stobo Prichard Award”**. Awarded annually to a Subspecialty Fellow in Paediatric Neurology for its excellence in research. The Hospital for Sick Children. University of Toronto. Toronto, Canada. 2009.
  - 6 **“Student Humanitarian Award”**. This annual award recognizes and honours the exceptional student, staff or volunteer who exemplify the qualities of compassion and humanitarianism in providing care to children and their families. It is presented by SickKids Foundation. The Hospital for Sick Children. University of Toronto. Toronto, Canada. 2010.
  - 7 **“2010 – 2011 Academic Year Teaching Award: Most Outstanding Clinician, Clerkship”** (Nominee) awarded annually to a clinician with outstanding teaching skills. Presented by Manitoba Medical Student’s Association. University of Manitoba. Manitoba. Canada. 2012.
  - 8 **“2011 – 2012 Academic Year Teaching Award: Most Outstanding Clinician, Clerkship”** (Nominee) awarded annually to a clinician with outstanding
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teaching skills. Presented by Manitoba Medical Student's Association. University of Manitoba. Manitoba. Canada. 2012.

- 9 **“2012 – 2013 Academic Year Teaching Award: Mentorship – Medicine II”** (Nominee) awarded annually to teachers who make themselves accessible through giving of their time, attention and life experiences to mentor students through the pre-clerkship years. Presented by Manitoba Medical Student's Association. University of Manitoba. Manitoba. Canada. 2013.
- 10 **“2017 Dr Robert H. Haslam Faculty Award for Residency Teaching. Division of Paediatric Neurology”**. Awarded annually to distinguished educator and outstanding teacher in the Paediatric Neurology Department. Nominated and elected by the residents.
- 11 Nominated by peers to the **“2018 Department of Pediatrics Educator of the year”**. Formal letter recognition as a runner-up written by Jennifer R MacPherson, MD, FRCPC as Deputy Head, Professional Affairs. Department of Pediatrics. Alberta Children's Hospital. Calgary, AB. January 2019.
- 12 Recognized as **“Patient & Family Centered Care Champion”** by the Patient & Family Centered Care, Alberta Children's Hospital. Alberta Health Services. Calgary, Alberta. Canada. October 2021.

## COMMITTEES INVOLVEMENT

### Educational Activities:

- 1 Education Committee. Neurology Program, The Hospital for Sick Children. University of Toronto. Toronto, ON. Canada. July 2006 - June 2007
  - 2 OSCE examiner. Neurology Program (The Hospital for Sick Children site). University of Toronto. Toronto, ON. Canada. April 1<sup>st</sup>, 2009.
  - 3 OSCE examiner. Paediatric Program (The Hospital for Sick Children site). University of Toronto. Toronto, ON. Canada. March 5<sup>th</sup>, 2010.
  - 4 OSCE examiner. Neurology Program (The Hospital for Sick Children site). University of Toronto. Toronto, ON. Canada. April 21<sup>st</sup>, 2010.
  - 5 Clinical Subcommittee. Paediatric Residency Program. University of Manitoba. Winnipeg, MB. Canada. 2011 – 2013.
  - 6 Curriculum Renewal Committee. Basic Science Task Force. Faculty of Medicine. University of Manitoba. Winnipeg, MB. Canada. 2011.
  - 7 Pediatric Content Committee. American Epilepsy Society. United States. 2010 – 2013; 2016 – 2019.
  - 8 Board examiner. Canadian Board of Registration of Electroencephalograph Technologists. Canada. 2013 – Present
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- 9 Regional representative. Canadian Board of Registration of Electroencephalograph Technologists. Canada. 2012 – 2019.
- 10 OSCE examiner. Neurology and Paediatric Neurology Programs at the University of Calgary. Calgary, AB. Canada. 2016 – Present.
- 11 External reviewer for University of Ottawa, School of Medicine for promotion application. October 2018.
- 12 External reviewer for University of Manitoba, School of Medicine for promotion application. August 2019.
- 13 PSI Foundation Grant Reviewer. April 2021.

### **Medical/Scientific Organizations-Committees/Affiliations**

- 1 “Sociedad Argentina de Pediatría”. 2003 – 2005. Argentina.
- 2 “American Academy of Neurology”. 2006 – 2017. United States.
- 3 “Canadian League Against Epilepsy”. 2007 – Present. Canada.
- 4 “American Epilepsy Society”. 2008 – Present. United States.
- 5 “Sociedad Argentina de Neurología Infantil”. 2008 – 2010. Argentina
- 6 “Canadian Paediatric Epilepsy Network. Canadian League Against Epilepsy”. 2009 – Present.
- 7 “Canadian Society of Clinical Neurophysiologists”. 2010 – Present.
- 8 “Canadian Association of Child Neurology”. 2010 – Present.
- 9 “Canadian Neurological Science Federation” 2010 – Present.
- 10 “Academia Iberoamericana de Neurología Pediátrica” 2017 – Present.

### **ADDITIONAL INFORMATION**

#### **Undergraduate Work – Experience.**

- 1 Physician’s assistant at the “Hospital de Clínicas”. Department of Hemotherapy October 1996 to December 1996. Córdoba city. Córdoba. Argentina.
- 2 Physician’s assistant at the “Hospital Rawson”. Women and gynecology ward, from September 1997 to February 1998. Córdoba city. Córdoba. Argentina.
- 3 Physician’s assistant at the “Hospital Rawson”. Guard, from February 1997 to November 1998. Córdoba city. Córdoba. Argentina.
- 4 Physician’s assistant at the “Infant & Juvenile Neuropsychological Institute”. EEG technician, from April 1999 to June 1999. Concordia city. Entre Rios. Argentina.

#### **Volunteer Work**

- 1 Monthly visiting Doctor in rural-mountain area “Sierra de Calambuchita”. Cordoba Argentina. June 2000 to May 2004.
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- 2 Visiting Doctor in Rural-Mountain School “San Jose de San Martin. Quebrada los Condoritos”. October 2003.

### **Meetings Organization and Academic participation as member of Scientific Societies**

- 1 Titular Member of “Scientific Medical Students from National University of Córdoba”. April 1996 to April 1999. Córdoba city. Córdoba. Argentina.
- 2 Secretary of “VI<sup>th</sup> Regional Congress of Scientific Medical Students from National University of Córdoba”. November 1996. Córdoba city. Córdoba. Argentina.
- 3 Treasurer of “Scientific Medical Students from National University of Córdoba”. April 1998 to April 1999. Córdoba city. Córdoba. Argentina.
- 4 Secretary of “VII<sup>th</sup> COCAEM” (National Congress of Scientific Medical Students from Argentina). October 1997. Córdoba city. Córdoba. Argentina.
- 5 Secretary of the “Muscular Weakness Symposium” in II<sup>o</sup> Regional Meeting of Signs and Symptoms in Pediatric. Pediatrics Argentine Society. Córdoba. Argentina. August 2003.
- 6 Resident Representative at the Neurology Development Committee, Canada – Cuba Project. Canadian Neuroscience Society Foundation. 2007 – 2010.
- 7 Ongoing participation on an annual basis in the organization of the Canadian Neurological Science Federation meeting since 2015.
- 8 Ongoing participation on an annual basis in the organization of the Canadian League Against Epilepsy meeting since 2016.
- 9 Ongoing participation on an annual basis in the organization of the Western Epilepsy Workshop and Banff International Epilepsy Symposium since 2018.

### **Postgraduate Local, National and International Courses**

- 1 “Pediatric Advanced Life Support” (PALS). Duration: 40 hours. Final exam successfully passed. Pediatrics Argentinean Society. Córdoba. Argentina. August 2001.
  - 2 “Initial Management of Pediatric Polytraumatism”. Duration: 40 hours. Final exam successfully passed. Pediatrics Argentinean Society. Córdoba. Argentina. August 2002.
  - 3 “Biostatistics and Mathematics”. Duration: 20 hours. Final exam successfully passed. National University of Córdoba. Córdoba. Argentina. October 2002.
  - 4 “Epidemiology”. Duration: 20 hours. Final exam successfully passed. National University of Córdoba. Córdoba. Argentina. October 2002.
  - 5 “Investigation Methodology”. Duration: 20 hours. Final exam approved. National University of Córdoba. Córdoba. Argentina. May 2003.
  - 6 “Medical English Exam”. Final exam approved. National University of Córdoba. Córdoba. Argentina. December 2003.
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- 7 “Pediatric Advanced Life Support” (PALS). Duration: 40 hours. Final exam approved. Pediatrics Argentinean Society. Córdoba. Argentina. August 2004.
- 8 “Toronto Neurology Update” University of Toronto. Toronto. Canada. Duration: 15 hours. October 2005.
- 9 “Neuromuscular Diseases Course” University of Toronto. Canada. Duration: 40 hours. July 2006.
- 10 “Pediatric Epilepsy”. Wake Forest University. North Carolina. U.S. Duration: 30 hours. Final exam successfully passed. March, 2008.
- 11 “National Epi-Fellows Course”. American Epilepsy Society. Boston, MA. United States. Duration: 10 hours. December, 2009.
- 12 “Teaching Improvement Professional Skills (TIPS)”. University of Manitoba. Winnipeg, MB. Canada. 16 hours. November, 2010.
- 13 PH556x: Practical Improvement Science in Health Care. A course of study offered by HarvardX, an online learning initiative of Harvard University through edX. March 28, 2017.
- 14 Practical Leadership for University Scholars (PLUS) course. PLUS two: Leadership in Action. February, 2019. Calgary, AB. Canada.
- 15 Practical Leadership for University Scholars (PLUS) course. PLUS one: Foundations of Leadership. March, 2019. Calgary, AB. Canada.
- 16 How to Succeed at Failing. Office of Faculty Development and Performance. Cumming School of Medicine. Mach 18, 2021.
- 17 Plus 3E - Educational Leadership. Office of Faculty Development and Performance. Cumming School of Medicine. September – October 2021.
- 18 On-going CME program at the Royal College of Physicians and Surgeon of Canada. (MAINPORT, Student# 2006239)



Juan Pablo Appendino, MD, CSCN (EEG), FAES  
Pediatric Neurologist & Epileptologist  
Signed: February 11, 2022.

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