

CURRICULUM VITAE

REFIKA ERSU

Professor

CHEO

SUMMARY

Name	Refika Ersu
Born	1968, April 12
Languages	English, German and Turkish: spoken and written Spanish and French: Beginner / Elementary
Office Address	Children's Hospital of Eastern Ontario Room W1401 Ottawa, Ontario K1H 8L1
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Current Appointments

2019 January-Present	Professor, Department of Pediatrics, University of Ottawa, Ottawa, Ontario, Canada,
2019 January- Present	Division of Pediatric Respiriology, Department of Pediatrics, Children's Hospital of Eastern Ontario, Ottawa, Ontario, Canada,
2019 January-Present	Cross-appointment as Consultant, Division of Neonatology, The Ottawa Hospital General Campus, Ottawa, Ontario, Canada,
2019 January-Present	Medical Director, Sleep Laboratory, Children's Hospital of Eastern Ontario, Ottawa, Ontario, Canada
2019 January-Present	Medical Director, Home Ventilation Program, Children's Hospital of Eastern Ontario, Ottawa, Ontario, Canada
2021 January-Present	Senior Scientist, Children's Hospital of Eastern Ontario, Research Institute

EDUCATION AND QUALIFICATIONS

Degrees and Diplomas

- 1998-2001 Clinical Fellowship, Pediatric Respiratory Medicine, Childrens Hospital of Los Angeles, Los Angeles, California, USA
- 1998 Research Fellowship, Pediatric Respiratory Medicine, Royal Brompton Hospital, London, United Kingdom
- 1992-1998 Pediatric Residency, Marmara University, Istanbul, Turkey
- 1986-1992 Medical School, University of Istanbul

Qualifications, Licensures and Certifications

- 2019 Collaborative Institutional Training Initiative (CITI Program)
Canada Biomedical Course – The Biomedical Research Ethics Tutorial
Stage 1
- 2019 Pediatric Basic Life Support Provider, Heart and Stroke Foundation, Ontario, Canada
- 1998 USMLE certification

Other Specialized Training

- 2021 Essentials for Academic Leadership for Clinicians Level II, University of Ottawa, Ottawa, Ontario, Canada
- 2019 Essentials for Academic Leadership for Clinicians Level I, University of Ottawa, Ottawa, Ontario, Canada

Employment

- 2018 - Staff Respirologist, Children's Hospital of Eastern Ontario
- 2018- Professor, University of Ottawa
- 2009-2018 Professor of Pediatrics, Marmara University, Faculty of Medicine, Turkey
- 2004-2009 Associate Professor, Marmara University, Faculty of Medicine, Turkey
- 2001-2004 Staff Respirologist, Marmara University, Faculty of Medicine, Turkey

RESEARCH AND SCHOLARLY ACTIVITIES

Major Themes

1. **Epidemiology of Sleep-Disordered Breathing and Sleep Disordered Breathing in Chronic Diseases:** My work identifies prevalence and associated risk factors for sleep disordered breathing in children (publications # 10, 11, 20, 75). My previous research also focused on the prevalence and co-morbidities of sleep-disordered breathing in high-risk populations of children with chronic lung diseases, such as cystic fibrosis, primary ciliary dyskinesia, bronchiectasis, bronchiolitis obliterans and asthma (publications # 23, 39, 42, 51, 60).
2. **Diagnostic Tools for Sleep-Disordered Breathing:** My research also focuses on diagnostic methods for sleep-disordered breathing in children. I am the current chair of Pediatric Physiology and Sleep Group of European Respiratory Society and I have been involved in two Task Force teams, which produced two statement papers on obstructive sleep apnea in children (publications #52, 66). As a group, we have developed algorithms for diagnosing and treating children with obstructive sleep apnea. We further reviewed and developed the diagnostic approach in a recent paper (#58). One of the methods for diagnosing obstructive sleep apnea is using a polygraphy which is an abbreviated sleep study. However, there are conflicting studies about the value of polygraphy in diagnosis of sleep disordered breathing in children. I was the senior author of a paper evaluating the value of polygraphy in children with Down Syndrome (#68). I am currently the co-chair of pediatric section of European Respiratory Society Polygraphy Task Force. I am recently funded as a co primary investigator for a study to investigate the value of screening children with a video clip for diagnosis of obstructive sleep apnea, this study also uses polygraphy as a diagnostic test. I am also the leader of an international meta-analysis project for polysomnographic parameters in healthy children. There are two CHEO residents involved in this project. We are now reviewing evidence for central apnea in children as part of another European Respiratory Society Task Force group. We have also submitted an ethics committee approval for a retrospective review of central apneas in children who had sleep studies at CHEO as a resident project.
3. **Long-term Mechanical Ventilation and Non-invasive Ventilation in Children:** One of my main clinical and research interests is support of children with chronic respiratory failure. We published our results on home ventilation in children with chronic respiratory failure in Istanbul (#26). Non-invasive ventilation in children has improved the care of children with respiratory failure. Within European Respiratory Society we have started a new Task Force to review the evidence for Non-Invasive Ventilation in children. I have recently been awarded as a primary investigator to evaluate the efficacy of built in software analysis of positive airway pressure devices in detecting obstructive sleep apnea and ventilation compared to polysomnography. I recently published a review article on non-invasive ventilation in children with chronic lung disease (publication # 76).

Other Research-Related Activities

Committees

2019-2021 Member, Research Committee, Canadian Pediatric Sleep Network (CPSN)

Grant Reviews

2019-2021 Children's Hospital of Eastern Ontario Research Institute, Internal Grant Review

Grants

2020-2024 "Can the analysis of built-in software in positive airway pressure devices with oximetry replace polysomnography in children on PAP therapy?" CHEO Research Institute Research Growth Award Lead PI: Refika Ersu. Co-applicants: Katz S, Bokhaut J, Barrowman N, Blinder H, Spooner L.

2020-2024 "Screening for Pediatric Obstructive Sleep Apnea in the Resource-Limited Setting of the COVID-19 Pandemic (SPARE Study)". CHAMO Innovation Fund COVID-19 Grant. PI: Katz SL, Ersu R. Co-Applicants: Barrowman N, Blinder H, Bromwich M, Rourke R.

Current International Research Activities

2019-2023 European Respiratory Society Task Force on Central Sleep Apnea in Children

2021-2023 European Respiratory Society Task Force on Telemedicine for Sleep Medicine

2020-2023 Meta-analysis of polysomnographic parameters in children

Co-editor:

European Respiratory Review (2022-current)

Breathe (2023-current)

Peer Reviewer for Journals

Reviewer for international journals: Pediatric Pulmonology, European Journal of Pediatrics, European Respiratory Journal, Sleep and Breathing, SLEEP, Pediatrics International, American Journal of Critical Care and Respiratory Medicine, Journal of Clinical Sleep Medicine

Abstract Reviews for International Conferences

- 2016-2023 European Respiratory Society
- 2017-2023 International Union Against Tuberculosis and Lung Disease
- 2021-2023 European Congress of Clinical Microbiology and Infectious Diseases
- 2018-2020 European Pediatric Association

Conference Organizing Committee

- 2023 European Respiratory Society Sleep and Breathing Conference

Publications

Clinical Care Guidelines

Ayas NT, Ersu R, Fraser KL, Giannoulid E, Hanly PJ, Kendzerska T, Katz SL, Lachmann D, Lajoie A, Minville C, Morrison D, Narang I, Povitz M, Skomro R, Spurr K. Position statement from the Canadian Thoracic Society (CTS) sleep disordered breathing (SDB) assembly steering committee: updated recommendations for resumption of sleep clinic and laboratory testing. Helping Canadian health care providers to optimize SDB management for their patients during the covid-19 pandemic. Canadian Journal of Respiratory, Critical Care, and Sleep Medicine, June 2020.

Published Peer-Reviewed Journal Articles

1. Karakoc, F., B. Karadag, A. Kut, **R. Hamutcu**, D. Cebeci, E. Dagli, "Comparison of the efficacy and safety of half dose of fluticasone propionate with beclamethasone dipropionate and budesonide in childhood asthma", J Asthma, 38, 229-237 (2001).
2. Jaffe, A., **R. Hamutcu**, R.T. Dhawan, B. Adler, M. Rosenthal, A. Bush, "Routine ventilation scans in children with cystic fibrosis: Diagnostic usefulness and prognostic value", European Journal of Nuclear Medicine, 28, 1313-1318 (2001).
3. **Hamutcu, R.**, M.S. Woo, "Advanced cystic fibrosis lung disease in children", Current Opinion in Pulmonary Medicine, 7, 448-453 (2001).
4. **Hamutcu, R.**, J.M. Rowland, M.V. Horn, C. Kaminsky, E.F. MacLaughlin, V.A. Starnes, M. Woo, "Clinical findings and lung pathology in cystic fibrosis children", American Journal of Respiratory and Critical Care Medicine, 165, 1172-1175 (2002).

5. Narang, I., **R. Ersu**, N.W. Wilson, A. Bush, "Nitric oxide in chronic airway inflammation in children: diagnostic use and pathophysiological significance", *Thorax*, 57, 586-589 (2002).
6. Karakoc, F., B. Karadag, C. Akbenlioğlu, **R. Ersu**, B. Yıldızeli, M. Yuksel, E. Dagli, "Foreign body aspiration: What is the outcome?", *Pediatric Pulmonology*, 34, 30-36 (2002).
7. Sritippayawan, S., **R. Hamutcu**, S.S. Kun, Z. Ner, M. Ponce, T.G. Keens, "Mother-daughter transmission of congenital central hypoventilation syndrome", *American Journal of Respiratory and Critical Care Medicine*, 166, 367-369 (2002).
8. **Hamutcu, R.**, J. Francis, F. Karakoc, A. Bush, "Objective monitoring of cough in children with cystic fibrosis", *Pediatric Pulmonology*, 34, 331-335 (2002).
9. Karadag, B., F. Karakoç, O. Ceran, **R. Ersu**, S. Inan, E. Dagli. "Does passive smoke exposure trigger acute asthma attack in children?", *Allergol Immunopathol (Madr)*, 31:318-23 (2003).
10. **Ersu, R.**, A.R. Arman, D. Save, B. Karadag, F. Karakoc, M. Berkem, E. Dagli, "Prevalence of snoring and symptoms of sleep disordered breathing in primary school children in İstanbul", *Chest*, 126, 19-24 (2004).
11. **Hamutcu, R.**, T. Nield, M. Garg, T.G. Keens, A.C. Platzker, "Long-term pulmonary sequelae in children who were treated with extracorporeal membrane oxygenation for neonatal respiratory failure", *Pediatrics*, 114, 1292-1296 (2004).
12. Kut A., B. Karadag, F. Karakoc, **R. Ersu**, B. Yıldızeli, E. Kotiloglu, M. Yuksel, E. Dagli. "Mucoepidermoid carcinoma of the bronchus: A rare entity in childhood", *Pediatrics International*, 47, 203-205 (2005).
13. Karadag, B., F. Karakoc, **R. Ersu**, A. Kut, S. Bakac, E. Dagli, "Non-cystic fibrosis bronchiectasis in children: A persisting problem in developing countries", *Respiration*, 72, 233-238 (2005).
14. Uyan, S., B. Karadag, **R. Ersu**, G. Kiyan, E. Kotiloglu, S. Şirvanci, F. Ercan, T. Dagli, F. Karakoc, E. Dagli, "Early pulmonary involvement in Nieman-Pick type B disease: Lung lavage is not useful", *Pediatric Pulmonology*, 40, 169-172 (2005).
15. Arman, A.R., **R. Ersu**, D. Save, B. Karadag, G. Karaman, K. Karabekiroglu, F. Karakoc, E. Dagli, M. Berkem "Symptoms of inattention and hyperactivity in children with habitual snoring: evidence from a community based study in İstanbul", *Child Care Health Dev*, 31, 707-717 (2005).
16. Cakir, E., Z.S. Uyan, B. Karadag, **R. Ersu**, F. Karakoc, E. Dagli "Mucoid impaction: An unusual form of allergic bronchopulmonary aspergillosis in a patient with cystic fibrosis", *Pediatric Pulmonology*, 41, 1103-1107 (2006).

17. Ozdemir, N., **R. Ersu**, F. Akalin, B. Karadag, A. Kut, F. Karakoc, N. Elcioglu, E. Dagli "Tracheobronchial calcification associated with Keutel syndrome", *Turkish Journal of Pediatrics*, 48, 357-361 (2006).
18. Karakoc, F., E. Cakir, **R. Ersu**, Z.S. Uyan, B. Colak, B. Karadag, G. Kiyan, E. Dagli "Late diagnosis of foreign body aspiration in children with chronic respiratory symptoms", *International Journal of Pediatric Otorhinolaryngology*, 71, 241-6 (2007).
19. Guran, T., **R. Ersu**, B. Karadag, İ.N. Aksu, G. Demirel Yanikkaya, N. Hekim, E. Dagli "Association between inflammatory markers in induced sputum and clinical parameters in children with non-cystic fibrosis bronchiectasis", *Pediatric Pulmonology*, 42, 362-9 (2007).
20. Isik, U., **R. Ersu**, P. Ay, D. Save, A.R. Arman, F. Karakoc, E. Dagli "Prevalence of headache and its association with sleep disorders in children", *Pediatric Neurology*, 36, 146-51 (2007).
21. Karadag, B., F. Karakoc, **R. Ersu**, E. Dagli, "Is childhood asthma still underdiagnosed and undertreated in Istanbul?", *Respiration*, 49, 508-12 (2007).
22. Altuncu, E., I. Akman, G. Kiyan, **R. Ersu**, Z. Yurdakul, H. Bilgen, T. Ozdoğan, E. Ozek. "Report of three cases: Congenital chylothorax and treatment modalities", *Turk J Pediatr*, 49, 418-21, (2007).
23. Uyan, Z.S., N. Özdemir, **R. Ersu**, İ. Akpınar, S. Keskin, E. Çakır, B. Karadağ, F. Karakoç, E. Dağlı. "Factors that correlate with sleep hypoxemia in children with cystic fibrosis", *Pediatric Pulmonology*, 42, 716-22 (2007).
24. Guran, T., S. Turan, B. Karadag, **R. Ersu**, F. Karakoc, A. Bereket, E. Dagli. "Bone mineral density in children with non cystic fibrosis bronchiectasis", *Respiration*, 75, 432-436 (2008).
25. Sirvanci, S., Z.S. Uyan, F. Ercan, B. Karadag, **R. Ersu**, F. Karakoc, E. Dagli, T. San. "Quantitative analysis of ciliary ultrastructure in patients with primary ciliary dyskinesia", *Acta Histochemica*, 110, 34-41 (2008).
26. Oktem, S., **R. Ersu**, Z.S. Uyan, E. Cakir, B. Karadag, F. Karakoc, G. Kiyan, E. Dagli. "Home ventilation for children with chronic respiratory failure in Istanbul", *Respiration*, 76, 76-81 (2008).
27. Karadag, B., O. Ceran, G. Guven, E. Dursun, İ. O. Ipek, F. Karakoc, **R. Ersu**, A. Bozaykut, S. Inan, E. Dagli. "Efficacy of salbutamol and ipratropium bromide in the management of acute bronchiolitis- a clinical trial", *Respiration*, 76, 283-287 (2008).
28. Cakir, E., B. Gocmen, Z.S. Uyan, S. Oktem, G. Kiyan, F. Karakoc, **R. Ersu**, B. Karadag, T. Dagli, E. Dagli. "An unusual case of chylothorax complicating childhood tuberculosis", *Pediatric Pulmonology*, 43, 611-614 (2008).

29. Cakir, E., Z.S. Uyan, S. Oktem, F. Karakoc, **R. Ersu**, B. Karadag, E. Dagli. "Flexible bronchoscopy for diagnosis and follow up of childhood endobronchial tuberculosis", *Pediatric Infectious Disease Journal*, 27, 783-787 (2008).
30. Guran T., B. Karadag, F. Karakoc, G.Y. Demirel, N. Hekim, **R. Ersu**, E. Dagli. "Withdrawal of inhaled steroids in children with non-cystic fibrosis bronchiectasis", *Journal of Clinical Pharmacy and Therapeutics*, 33, 603-611 (2008).
31. Isik, U. A. Topuzluoglu, P. Ay, **R. Hamutcu Ersu**, A. Rodopman Arman, M.F. Onsuz, M. Karavus, E. Dagli. "The prevalence of headache and its association with socioeconomic status among school children in İstanbul, Turkey", *Headache*, 49, 697-703 (2009).
32. Cakir, E., Z.S. Uyan, N. Varol, P. Ay, A. Ozen, B. Karadag, **R. Ersu**, F. Karakoc, E. Dagli. "Effect of occupation and smoking on respiratory symptoms in working children", *American Journal of Industrial Medicine*, 52, 471-8 (2009).
33. Cakir, E., **R. Ersu**, Z.S. Uyan, S. Oktem, B. Karadag, O. Yapar, O. Pamukcu, F. Karakoc, E. Dagli. "Flexible bronchoscopy as a valuable tool in the evaluation of persistent wheezing in children", *International Journal of Pediatric Otorhinolaryngology*, 12, 1666-8 (2009).
34. Uyan, Z.S., **R. Ersu**, S. Oktem, E. Cakir, O.K. Koksalan, B. Karadag, F. Karakoc, E. Dagli. "Mycobacterium abscessus infection in a cystic fibrosis patient: a difficult to treat infection", *International Journal Tuberculosis and Lung Disease*, 14, 250-1 (2009).
35. Oktem, S., E. Cakir, Z.S. Uyan, B. Karadag, **R.E. Hamutcu**, G. Kiyan, F. Akalin, F. Karakoc, E. Dagli. "Diaphragmatic paralysis after pediatric heart surgery: usefulness of non-invasive ventilation", *International Journal of Pediatric Otorhinolaryngology*, 74, 430-1 (2010).
36. Cakir, E., **R. Ersu**, Z.S. Uyan, S. Oktem, N. Varol, F. Karakoc, B. Karadag, M. Akyol, E. Dagli. "The prevalence and risk factors of asthma and allergic diseases among working adolescents", *Asian Pacific Journal Allergy Immunology*, 28, 122-9 (2010).
37. Yikilkan, H., P.C. Unalan, E. Cakir, **R.H. Ersu**, S. Cifcili, M. Akman, A. Uzuner A, E. Dagli. "Sudden Infant Death Syndrome: How much mothers and health professionals know", *Pediatrics International*, 53, 24-8 (2011).
38. Arman, A.R., P. Ay, N.P. Fis, **R. Ersu**, A. Topuzoglu, U. Isik, M. Berkem. "Association of sleep duration with socioeconomic status and behavioral problems among school children", *Acta Paediatrica*, 100, 420-4 (2011).
39. Erdem, E., **R. Ersu**, B. Karadag, F. Karakoc, Y. Gokdemir, P. Ay, İ.N. Akpinar, E. Dagli. "Effect of night symptoms and disease severity on subjective sleep quality in children with non-cystic-fibrosis bronchiectasis", *Pediatric Pulmonology*, 46, 919-26 (2011).
40. Erdem, E., Y. Gokdemir, F. Unal, **R. Ersu**, B. Karadag, F. Karakoc. "Flexible bronchoscopy as a valuable tool in the evaluation of infants with stridor", *European Archives Otorhinolaryngology*, 270, 21-5 (2013).

41. Gokdemir, Y., E. Cakir, A. Kut, E. Erdem, B. Karadag, **R. Ersu**, F. Karakoc. "Bronchoscopic evaluation of unexplained recurrent and persistent pneumonia in children" *Journal Paediatric Child Health*, 49, E204-7 (2013).
42. Oktem, S., B. Karadag, E. Erdem, Y. Gokdemir, F. Karakoc, E. Dagli, **R. Ersu**. "Sleep disordered breathing in patients with primary ciliary dyskinesia", *Pediatric Pulmonology*, 48, 897-903 (2012).
43. Erdem, E., **R. Ersu**. "Inhaled corticosteroids in treatment of cystic fibrosis" *Antiinflamm Antiallergy Agents Med Chem*, 11, 206-9 (2012).
44. Kut A., E. Cakir, Y. Gokdemir, L. Midyat, **R. Ersu**, E. Erdem, B. Karadag, F. Karakoc. "Intrinsic endobronchial obstructions in children from Turkey: Evaluation of 2,555 flexible bronchoscopic procedures", *Respiration*, 85, 43-8 (2013).
45. Yalındağ-Öztürk, N., C. Vuran, F. Karakoç, **R. Ersu**. "Use of pumpless extracorporeal lung assist as rescue therapy in adolescent with cystic fibrosis", *Pediatrics International*, 55, e83-5 (2013).
46. Gokdemir, Y., **R. Ersu**, B. Karadag, F. Karakoc, G. Kiyani, H. Kaya, O. Kasapcopur, E. Erdem, E. Dagli. "An unusual case of childhood sarcoidosis: an unusual clinical case", *Archives Argentian Pediatrics*, 111, 441-5 (2013).
47. Gokdemir, Y., E. Karadag-Saygi, E. Erdem, O Bayindir, **R. Ersu**, B. Karadag, N. Sekban, G. Akyuz, F. Karakoc. "Comparison of conventional pulmonary rehabilitation and high-frequency chest wall oscillation in primary ciliary dyskinesia", *Pediatric Pulmonology* 49, 611-6 (2014).
48. Gokdemir, Y., A. Hamzah, E. Erdem, C. Cimsit, **R. Ersu**, F. Karakoc, B. Karadag. "Quality of life in children with non-cystic-fibrosis bronchiectasis", *Respiration*, 88, 46-51 (2014).
49. Peker, S., B. Kargul, I. Tanboga, T. Tunali-Akbay, A. Yarat, F. Karakoc, **R. Ersu**, E. Dagli. "Oral health and related factors in a group of children with cystic fibrosis in Istanbul, Turkey", *Niger J Clin Pract*, 18, 56-60 (2015).
50. Uyan, Z.S., I. Turan, P. Ay, E. Cakir, E. Ozturk, AH. Gedik, Y. Gokdemir, E. Erdem, V. Şen, B. Karadag, F. Karakoc, **R. Ersu**. "Sleep disordered breathing and sleep quality in children with bronchiolitis obliterans", *Pediatric Pulmonology*, 51, 308-15 (2015).
51. Kaditis, A.G., M.L. Alonso Alvarez, A. Boudewyns, E.I. Alexopoulos, **R. Ersu**, K. Joosten, H. Larramona, S. Miano, I. Narang, H. Trang, M. Tsaoussoglou, N. Vandebussche, MP. Villa, D. Van Waardenburg, S. Weber, S. Verhulst. "Obstructive sleep disordered breathing in 2- to 18-year-old children: diagnosis and management", *Eur Respir J*, 47, 69-94 (2016).
52. Gokdemir, Y., **R. Ersu**. "Sleep disordered breathing in childhood", *European Respiratory Review*, 25, 48-53 (2016).

53. Sakarya, A., ZS. Uyan, C. Baydemir, Y. Anik, E. Erdem, Y. Gokdemir, B. Karadag, F. Karakoc, **R. Ersu**. "Evaluation of children with cystic fibrosis by impulse oscillometry when stable and at exacerbation", *Pediatric Pulmonology*, doi: 10.1002/ppul.23449 (2016).
54. **Ersu, R.**, G. Bingol Karakoc, F. Yildiz, N. Kokturk, D. Mungan, B. Ekinci, B. Gemicioglu, A.A. Yorgancioglu. "Evaluation of asthma and COPD awareness in primary care doctors in Turkey. *Tuberk Toraks*, 64, 152-62 (2016).
55. **Ersu. R.**, P. Boran, Y. Akin, A. Bozaykut, P. Ay, S. Yazar. "Effectiveness of a sleep education program for pediatricians", *Pediatrics International*, doi: 10.1111/ped.13147 (2016).
56. **Ersu, R.** "Sleep disordered breathing in children", Invited editorial in *European Respiratory and Pulmonary Diseases*, 2, 52-3 (2016).
57. Joosten, K., H. Larramona, S. Miano, A.G. Kaditis, D. Van Waardenburg, N. Vandebussche, **R. Ersu**. "How do we recognize the child with OSAS?", *Pediatric Pulmonology*, doi: 10.1002/ppul.23639 (2016).
58. Haliloglu, B., Y. Gokdemir, Z. Atay, S. Abali, T. Güran, F. Karakoc, **R. Ersu**, B. Karadag, S. Turan, A. Bereket. "Hypoglycemia is common in children with cystic fibrosis and seen predominantly in females", *Pediatric Diabetes*, doi: 10.1111/pedi.12470 (2016).
59. Ginis, T., F.A. Akcan, M. Capanoglu, M. Toyran, **R. Ersu**, C.N. Kocabas, E. Civelek. "The frequency of sleep-disordered breathing in children with asthma and its effects on asthma control" *Journal of Asthma*, doi: 10.1080/02770903.2016.1220012 (2016).
60. Sogut, A., S. Acikgoz, L. Uzun, M.B. Ugur, R. Altin, E. Dagli, A. G. Kaditis, **R. Ersu**. "Leptin levels in children with obstructive sleep apnea syndrome", *Tuberk Toraks*, 64, 279-84 (2016).
61. Gedik, A.H., E. Cakir, Y. Gokdemir, ZS. Uyan, A. Kocyigit, E. Torun, B. Karadag, **R. Ersu**, F. Karakoc. "Cathelicidin (LL-37) and human β 2-defensin levels of children with post-infectious bronchiolitis obliterans", *Clinical Respiratory Journal*, 11, 243-247, (2017).
62. Baglam, T., A. Binnetoglu, M. Fatih Topuz, N. Bas İkizoglu, **R. Ersu**, S. Turan. "Pycnodysostosis at otorhinolaryngology", *International Journal Pediatric Otolaryngology*, 95, 91-96 (2017).
63. Erdem, S.B., D. Can, S. Girit, F. Catal, V. Sen, S. Pekcan, H. Yuksel, A. Bingol, I. Bostanci, D. Erge, **R. Ersu**. "Does atopy affect the course of viral pneumonia", *Allergy Immunopathology*, 46, 119-126 (2017).
64. Baris, H.E., Y. Gokdemir, E.E. Eralp, N.B. İkizoglu, F. Karakoç, B. Karadag, **R. Ersu**. "Clinical and polysomnographic features of children evaluated with polysomnography in pediatric sleep laboratory.", *Turk Pediatri Arsivi*, 1, 52, 23-29 (2017).

65. Uyan, Z.S., G. Unluguzel Ustun, G. Haklar, E. Cakir, S. Oktem, **R. Ersu**, B.T. Karadag, F. Karakoc, E. Dagli. "Effect of inhaled steroids on clinical and inflammatory parameters in children with cystic fibrosis", *Turkish Journal of Medical Sciences*, 47, 1432-1440 (2017).
66. Kaditis, A., M.L. Alonso Alvarez, A. Boudewyns, F. Abel, E.I. Alexopoulos, **R. Ersu**, K. Joosten, H. Larramona, S. Miano, I. Narang, H.L. Tan, H. Trang, M. Tsaoussoglou, N. Vandebussche, M.P. Villa, D. Van Waardenburg, S. Weber, S. Verhulst. "European Respiratory Society statement on obstructive sleep disordered breathing in 1- to 23-month old-children.", *European Respiratory Journal*, 50 pii: 1700985 (2017).
67. Atag, E., N. Bas Ikizoglu, A.P. Ergenekon, Y. Gokdemir, E.E. Eralp, P. Ata, **R. Ersu**, F. Karakoc, B. Karadag. "Novel mutations and deletions in cystic fibrosis in a tertiary cystic fibrosis center in Istanbul.", *Pediatric Pulmonology*, 54, 743-50 (2019).
68. Ikizoglu, N.B., Kiyani E, Polat B, Ay P, Karadag B, **R. Ersu**. "Are home sleep studies useful in diagnosing obstructive sleep apnea in children with down syndrome?", *Pediatric Pulmonology*, 54, 1541-1546 (2019).
69. Duijts, L., E.R van Meel, L. Moschino, E. Baraldi, M. Barnhoorn, W.M. Bramer, C.E. Bolto, J. Boyd, F. Buchval, M.J. Del Cerro, A.A. Colin, **R. Ersu**, A. Greenough, C. Gremmen C, T. Halvorson, J. Kamphuis, S. Kotecha, K. Rooney-Otero, S. Schulzke, A. Wilson, D. Rigau, R.L.Morgan, T. Tonia, C.C. Roehr, M.W. Pijnenburg. "European Respiratory Society Guideline on long term management of children with bronchopulmonary dysplasia.", *European Respiratory Journal* pii: 1900788. doi: 10.1183/13993003.00788-2019 (2019).
70. **Ersu, R.**, F. Proulx. "Multiple Sleep Latency Test.", *American Journal Respiratory Critical Care Medicine* 201, P9-P10 (2019).
71. Atag E., N. B. Ikizoglu, P. Ergenekon, S. Kalin, F. Unal, Y. Gokdemir, E. E, Eralp, K. Yalcin, S. Oktem, **R. Ersu**, F. Karakoc, B. Karadag. "Health-related quality of life in patients with bronchiolitis obliterans.", *Pediatric Pulmonology*, 55, 2361-2367 (2020).
72. Eralp E.E., Y. Gokdemir, E. Atag, N.B. Ikizoglu, P. Ergenekon, C.Y. Yegit, A. Kut, **R. Ersu**, F. Karakoc, B. Karadag. "Changing clinical characteristics of non-cystic fibrosis bronchiectasis in children.", *BMC Pulmonary Medicine*, 20:172 (2020).
73. Bingol, I., Y. Gokdemir, C. Yilmaz-Yegit, P. Ergenekon, E. Atag, N.B. Ikizoglu, E.E. Eralp, A. Evkaya, K. Gencer, E.K. Saygi, F. Karakoc, **R. Ersu**, B. Karadag. "Comparison of conventional chest physiotherapy and oscillatory positive pressure therapy in primary ciliary dyskinesia.", *Pediatric Pulmonology*, 12, 3414-3420 (2020).
74. Nenna, R., M. Slaats, **R. Ersu**, D. Lo, S. Seglani, C. Nissenbaum, A.R. Horsley, M. Proesmans, L. Williams, T. Dassios, C. Ardura-Garcia, L. Duijts, H. Marczak, D. Snijders, R. Rottier, C.M. Chao, M.W. Pijnenburg, J. Grigg. "European Respiratory Society Congress,

Madrid, 2019, highlights from the Pediatric Assembly.”, *European Respiratory Journal Open Research* 6: 00063 (2020).

75. Gokdemir Y., E. Civelek, B. Cakir, A. Demir, C.N. Kocabas, N.B. Ikizoglu, F. Karakoc, B. Karadag, **R. Ersu**. “Prevalence of sleep disordered breathing and associated risk factors in primary school children in urban and rural environments.”, *Sleep and Breathing*, 25:915-922 (2020).

76. Atag, E., U. Krivec, **R. Ersu**. “Non-invasive ventilation for children with chronic lung disease.”, *Frontiers in Pediatrics*, 8, 561639 (2021).

77. Schiza S., A. Simonds, W. Randerath, F. Fanfulla, D. Testelmans, L. Grote, J.M. Montserrat, J.L. Pepin, J. Verbraecken, **R. Ersu**, M.R. Bonsignore. “Sleep laboratories re-opening and COVID-19: a European perspective.”, *European Respiratory Journal*, 57:2002722 (2021).

78. Atag E., F. Unal, H. Arslan, B.G. Teber, L. Telhan, **R. Ersu**, F. Karakoc, S. Oktem. “The effect of nebulized antibiotics in children with tracheostomy.”, *International Journal of Pediatric Otorhinolaryngology*, 143, 110665 (2021).

79. Atag E., F. Unal, H. Yazan, S. Girit, Z.S. Uyan, A.P. Ergenekon, E. Yayla, E. Merttürk, L. Telhan, O. Meral, H.B. Kucuk, M. Gunduz, Y. Gokdemir, E. Erdem Eralp, G. Kiyan, E. Cakir, **R. Ersu**, F. Karakoc, S. Oktem. “Pediatric bronchoscopy in the intensive care unit: A multicenter study.” *Pediatric Pulmonology*, 56, 2925-2931 (2021).

80. Öztürk M., P. Boran, **R. Ersu**, Y. Peker. “Possums based parental education for infant sleep: Cued care resulting in sustained breastfeeding.”, *European Journal of Pediatrics*, 180, 1769-1776 (2021).

81. Ardura-Garcia C., S. Cuevas-Ocaña, N. Freitag, A. Kampouras A, J.A. King, P. Kouis, S.M. Mensink-Bout, A.L. Whitehouse, E. Williams, T. Dassios, L. Duijts, **R.H Ersu**, E.A. Gaillard, A.R. Horsley, M. Proesmans, R. Rottier, D. Schramm, A. Moeller, M.W. Pijnenburg. “ERS International Congress 2020: Highlights from the Pediatric Assembly.”, *European Respiratory Journal Open Research*, 7, 00893 (2021).

82. Fauroux B., F. Abel, A. Amaddeo, E. Bignamini, E. Chan, L. Corel, R. Cutrera, **R. Ersu**, S. Installe, S. Khirani, U. Krivec, O. Narayan, J. MacLean, V. Perez De Sa, M. Pons-Odena, F. Stehling, R. Trindade Ferreira, S. Verhulst. “ERS Statement on pediatric long-term noninvasive respiratory support.”, *European Respiratory Journal*, 16, 2101404. doi: 10.1183/13993003.01404-(2022).

83. Amin R., A. Gershon, F. Buchanan, R. Pizzuti, A. QaziA, N. Patel, R. Pinto, M.E. Moretti, M. Ambreen; TtLIVE Group, L. Rose. “The Transitions to Long-term in Home Ventilator

Engagement Study (Transitions to LIVE): study protocol for a pragmatic randomized controlled trial.”, *Trials*, 23, 125 (2022).

84. Karadag, B.T., E. Hatziaorou, A. Teper, **R. Ersu**. “Editorial: Cystic fibrosis in children.”, *Front Pediatr*, 10:917221. doi: 10.3389/fped.2022.917221 (2022).

85. Ardura-Garcia C., A. Abellan, S. Cuevas-Ocaña, N. Freitag, YT Lam, H. Makrinioti, M. Slaats, M. Storti, E.E. Williams, T. Dassios, E. Duijts, **R. H. Ersu**, S. Fustik, R.E. Morty, M. Proesmans, D. Schramm, S. Saglani, A. Moeller, M.W Pijnenburg. “ERS International Congress 2021: highlights from the Paediatric Assembly.”, *European Respiratory Journal Open Research*, 8, 00643-2021 (2022).

86. **Ersu, R.**, M. L. Chen, Z. Ehsan, S. L. Ishman, S. Redline, I. Narang. “Persistent obstructive sleep apnea in children: Treatment considerations and management options.”, *Lancet Respiratory Medicine*, 11, 3283-296 (2023).

87. Yilmaz Yegit, C., E. Erdem Eralp, Y. Gokdemir, P. Ergenekon, M. Sabanci, P. Ay, B. Karadag, **R. Ersu**. “Night to night variability of polygraphy in children with sleep disordered breathing symptoms.”, *Pediatric Pulmonology* 58, 1875-1881 (2023).

88. **Ersu, R.**, M. L. Chen, Z. Ehsan, S. L. Ishman, S. Redline, I. Narang. “Rapid maxillary expansion in paediatric obstructive sleep apnoea – Authors’ reply.”, *Lancet Respiratory Medicine*, 11, e46 (2023).

89. Riha, R., Celmina, M., Cooper, B., **Hamutcu-Ersu, R.**, Kaditis, A., Morley, A., Pataka, A., Penzel, T., Roberti, L., Ruehland, W., Testlemans, D., van Eyck, A., Grundstrom, G., Verbracken, J., Randerath, W. “ERS technical standards for using type III devices (limited channel studies) in the diagnosis of sleep disordered breathing in adults and children.”, *European Respiratory Journal*, 61, 2200422 (2023).

90. Ergenekon, A.P., Y. Gokdemir, **R. Ersu**. “Medical treatment of obstructive sleep apnea in children.” *Journal of Clinical Medicine*, 12, 5022 (2023).

91. Kalyoncu, M. N. Namli, C.Y. Yegit, M. Yanaz, A. Gulieva, A.P. Ergenekon, M. Selcuk, E. Atag, N.B. Ikizoglu, M. Sabanci, K. Lale, Y. Gokdemir,, **R. Ersu**, F. Karakoc, B. Karadag, E.E. Eralp. “Is the pediatric sleep questionnaire sensitive for sleep-disordered breathing in children with complex chronic diseases?”, *Sleep and Breathing*, doi: 10.1007/s11325-023-02915-z (2023).

92. Buttle SG, McMillan HJ, Davila J, Bokhaut J, Kovesi T, Katz SL, **Ersu R**. “Respiratory failure in a patient with VACTERL association and concomitant spinal muscular atrophy.”, *Pediatric Pulmonology*, 58, 3314-3319 (2023).

93. Ehsan Z., S.L. Ishman, I. Soghier, F.R. Almeida, A. Boudewyns, M. Camacho, M.A. Carno, K. Coppelson, R.H. **Ersu R**, A.T.N. Ho, A.G. Kaditis, A.J. Machado J.R., R.B. Mitchell, C.M. Resnick, K. Swaggart, S. Verhulst. "Management of persistent post-adenotonsillectomy obstructive sleep apnea in children: An official American Thoracic Society clinical practice guideline." *American Journal Respiratory Critical Care Medicine* doi: 10.1164/rccm.202310-1857ST (2023).

94. Gappa, M. A. Bush, R. H. Ersu, M.E. Soto-Martinez, A. Moeller, M.W. Pijnenburg, V. Singh, S.J.H. Vijverberg, H. Zar. "Children and European Respiratory Society: From silos to Synergies." *European Respiratory Journal*, 62, 230-1692 (2023).

Book Chapters

Noninvasive Mechanical Ventilation

978-3-642-11365-9

Publisher: Springer Berlin Heidelberg (2010)

Home Mechanical Ventilation in Children with Chronic Respiratory Failure

pp 387-396

Sedat Oktem, **Refika Ersu**, Elif Dagli

Postgraduate Textbook of Pediatrics (2014)-Updated version in press (2021)

978-9-35152-725-1

Publisher: Jaypee Brothers (2015)

Obstructive sleep apnea

pp1687

Zeynep Seda Uyan, **Refika Ersu**

European Respiratory Society Handbook

Paediatric Respiratory Medicine

978-1-84984-038-5

Publisher: European Respiratory Society (2013)

Polysomnography

pp 122

Sedat Oktem, **Refika Ersu**

Physiology and pathophysiology of sleep

pp 503

Sedat Oktem, **Refika Ersu**

European Respiratory Society Pediatric Respiratory Handbook (2021)

Polysomnography in children European Respiratory Society Pediatric

Erdem E, Oktem S, **Ersu R**.

Sleep physiology

Proulx F, Calderelli V, **Ersu R**.

INVITED TALKS

1. "Non-invasive ventilation in children"
III. Balkan Congress of Allergy and Clinical Immunology 11-14 September 2003, Istanbul.
2. "A child with persistent wheezing and respiratory failure"
13th Greek Paediatric Respiratory Meeting 8-9 May 2004, Athens, Greece.
3. "Nutritional support in end stage lung disease in children"
European Respiratory Society Congress 17-21 September 2005, Copenhagen- Denmark.
4. "What the next future of pediatric asthma treatment will be?"
Pediatric Assembly of the European Respiratory Society, Section on Pediatrics of the European Academy of Allergology and Clinical Immunology Joint Meeting 12-15 November, Prague, Czech Republic.
5. "What is new in paediatric infectious disease and tuberculosis"
European Respiratory Society Congress 2-6 September 2006, Munich- Germany.
6. "Sleep disorders in children"
18th National Conference of Indian Academy of Pediatrics Respiratory Chapter and First Indo-Europe Regional Seminar on Pediatric Respiratory Diseases 25-26 November 2006, Delhi- India.
7. "Diagnostic Testing for Pediatric Sleep Disordered Breathing"
18th National Conference of Indian Academy of Pediatrics Respiratory Chapter and First Indo-Europe Regional Seminar on Pediatric Respiratory Diseases 25-26 November 2006, Delhi- India.
8. "TB in children: Old problems, new developments"
European Respiratory Society 25 May 2007, Interactive online course
9. "Work-related asthma in teenage apprentices"
World Asthma Meeting 23 September 2007, Istanbul.
10. "Pathogenesis of cough"
World Asthma Meeting 23 September 2007, Istanbul.
11. "Differential diagnosis of asthma"
Greek Respiratory Society Meeting 2-5 April 2009, Istanbul.
12. Meet the professor: "Interpreting paediatric sleep studies"
European Respiratory Society Congress 12-16 September 2009, Vienna- Austria.

13. "Epidemiology of sleep disordered breathing in children: role of adenotonsillar hypertrophy and obesity"
European Respiratory Society Congress 12-16 September 2009, Vienna- Austria.
14. "Advances in the management of child with asthma"
Excellence in Pediatrics 3-6 December 2009, Florence, Italy.
15. "Indications of sleep studies in children"
Excellence in Pediatrics 3-6 December 2009, Florence, Italy.
16. "Fever, wheezing, and dyspnea in a 7-year old female" Expert discussant
American Thoracic Society Conference 14-18 May 2011, Denver, USA.
17. "Postgraduate Course: What are the treatment options for obstructive sleep disordered breathing in childhood?"
European Respiratory Society Congress 7-11 September 2013, Barcelona, Spain.
18. "Newborn Screening for Cystic Fibrosis in Turkey"
38th European Cystic Fibrosis Conference 10-13 June 2015, Brussels, Belgium.
19. "Year in Review: Sleep disordered breathing in children"
European Respiratory Society Congress 14-18 September 2015, Amsterdam, Netherlands.
20. "Postgraduate Course: Pediatric sleep disordered breathing: What is new in diagnosis?"
European Respiratory Society Congress 14-18 September 2015, Amsterdam, Netherlands.
21. "Sleep disordered breathing in children: What is next?"
European Respiratory Society Congress 14-18 September 2015, Amsterdam, Netherlands.
22. "Sleep disordered breathing in children with chronic lung diseases"
South African Thoracic Society Conference 18-21 August 2016, Johannesburg, South Africa.
23. "What is new in pediatric asthma?"
South African Thoracic Society Conference 18-21 August 2016, Johannesburg, South Africa.
24. Plenary session: Pediatric sleep disordered breathing: What is new?"
South African Thoracic Society Conference 18-21 August 2016, Johannesburg, South Africa.
25. "Pediatric Polysomnography workshop"
European Respiratory Society Congress 3-7 September 2016, London, England.
26. "Pediatric OSAS: A systemic disease"
International Conference of the Italian Respiratory Society 15 October 2016, Rome, Italy

27. "Current perspectives on sleep apnea in children: Present and future"
International Conference of the Spanish Respiratory Society 25 November 2016, Sevilla, Spain.
28. "Pediatric Polysomnography workshop"
Sleep and Breathing Conference, European Respiratory Society and European Sleep and Research Society 6-8 April 2017, Marseille, France.
29. "Breathlessness in children"
European Respiratory Society joint session
Europediatrics Congress, European Paediatric Association 6-9 June 2017, Bucharest, Romania.
30. "Sleep in children with chronic lung disease"
European Respiratory Society Congress, 9-13 September 2017, Milan, Italy.
31. "Obstructive sleep apnea in children"
International Conference of the Italian Respiratory Society 12 October 2017, Naples, Italy.
32. "Pulmonary function tests in children with interstitial lung disease"
Interstitial Lung Disease in Children- COST Kick off Conference, 1-3 November 2017, Prague, Czech Republic.
33. "Obstructive sleep apnea in children"
Italian Pediatric Respiratory Society Non-invasive Ventilation Course 16-18 November 2017, Rome, Italy.
34. "What function test for which disease?"
Italian Pediatric Respiratory Society Meeting 29 September 2018, Pisa, Italy.
35. "Diagnosis of sleep disordered breathing in children"
Italian Pediatric Respiratory Society Long-Term Ventilation in Children Course November 8-10, 2018, Rome, Italy.
36. "Polygraphy in diagnosing sleep disordered breathing in children"
European Respiratory Society Sleep and Breathing Conference 11-13 April 2019, Marseille, France.
37. "Tracheostomy in children" and "Obstructive sleep apnea in children"
Egyptian Congress of Pediatric Pulmonology 30 April-3 May 2019, Alexandria, Egypt.
38. "Intermittent hypoxia in children with sleep disordered breathing"
European Respiratory Society Congress, 28 September-2 October 2019, Madrid, Spain.

39. "Pediatric Non-invasive Ventilation Skills Workshop" chair and speaker
European Respiratory Society Congress, 28 September-2 October 2019, Madrid, Spain.
40. "Non-invasive ventilation in obese children"
Italian Pediatric Respiratory Society Long-Term Ventilation in Children Course November 21-23, 2019, Rome, Italy.
41. "Sleep disordered breathing in children"
European Respiratory Society Pediatric Respiratory Summer School, 1-3 July 2020, Online course.
42. "Home mechanical ventilation and non-invasive ventilation in children"
European Respiratory Society Pediatric Respiratory Summer School, 1-3 July 2020, Online course.
43. "Polysomnography in children"
European Respiratory Society Pediatric Respiratory Summer School, 1-3 July 2020, Online course.
44. "Pulmonary function tests in children"
Chair, European Respiratory Society Pediatric Respiratory Summer School, 1-3 July 2020, Online course.
45. "Oral presentation, Respiratory physiology and sleep: from neonates to adults"
Chair, European Respiratory Society Conference, 7-9 September 2020, Online conference.
46. "Post COVID 19 care"
Chair, European Society of Clinical Microbiology and Infectious Diseases Conference, 23-25 September 2020, On-line conference.
47. "Paediatric respiratory experience during the COVID-19 pandemic"
European Society of Clinical Microbiology and Infectious Diseases Conference, 23-25 September 2020, Online conference.
48. "Diagnostic methods for sleep disordered breathing in children"
Egyptian Congress of Pediatric Pulmonology 13-16 October 2020, Online conference.
49. "Non-invasive ventilation in children"
Italian Pediatric Respiratory Society Long-Term Ventilation in Children Course, 1 December 2020, Online conference.
50. "Prevalence and natural history of primary snoring in children"
International Pediatric Sleep Society Conference, 5-6 February 2021, Online conference.

51. "Covid 19 and sleep in children"
European Respiratory Society Sleep and Breathing Conference 16-17 April 2021, Online conference.
52. "Prevalence, natural history and comorbidities of primary snoring in children"
European Respiratory Society Sleep and Breathing Conference 16-17 April 2021, Online conference
53. "Personalized approach to treatment of obstructive sleep apnea in children"
European Respiratory Society Sleep and Breathing Conference 16-17 April 2021, Online conference.
55. "Central sleep apnea in children symposium"
Chair, European Respiratory Society Sleep and Breathing Conference 16-17 April 2021, Online conference.
56. "Sleep disordered breathing in children"
European Respiratory Society Pediatric Respiriology Summer School, 1-2 July 2021, Online course.
57. "Home mechanical ventilation and non-invasive ventilation in children"
European Respiratory Society Pediatric Respiriology Summer School, 1-2 July 2021, Online course.
58. "Polysomnography in children"
European Respiratory Society Pediatric Respiriology Summer School, 1-2 July 2021, Online course.
59. "Oral presentation, Respiratory physiology and sleep: best research"
Chair, European Respiratory Society Conference, 5-8 September 2021, Online conference.
60. "Adherence to positive airway pressure therapy in children"
Italian Pediatric Respiratory Society Long-Term Ventilation in Children Course, 1 December 2021, Online conference.
61. "Non-invasive ventilation in children with chronic lung disease"
CIPP Conference, 30 June-2 July 2022, Online course.
62. "Sleep disordered breathing in newborns and infants: Long-term consequences"
CIPP Conference, 30 June-2 July 2022, Online conference.
63. "Adjuncts to tracheostomy-Skills workshop"
CHEST Conference, 16-19 October 2022, Nashville, USA.

64. "European Respiratory Guidelines on non-invasive ventilation in children"
European Respiratory Society Sleep and Breathing Conference, 20-22 April 2023, Prauge, Czech Republic.
65. "Personalized treatment of obstructive sleep apnea in children"
European Respiratory Society Sleep and Breathing Conference, 20-22 April 2023, Prauge, Czech Republic.
66. "Non-surgical treatments in children with obstructive sleep apnea"
American Thoracic Society Conference 19-24 May 2023, Washington D.C., USA.
67. "Year in review in pediatric sleep medicine"
International Pediatric Pulmonology Conference, 30 June 2023, Antibes, France.
68. "The new treatments for obstructive sleep apnea in children"
Italian Pediatric Respiriology Conference, 21-23 September 2023, Rome, Italy.
69. "Treatment of persistent obstructive sleep apnea in children"
CHEST Conference, 8-11 October 2023, Honolulu, HI, USA.
70. "Management of persistent obstructive sleep apnea in children" Celebration of 50 Years of Pediatric Pulmonology at Childrens Hospital of Los Angeles, June 18 2023, Los Angeles, CA, USA.
71. "Sleep disordered breathing in children with neuromuscular disorders" SLEEP Conference, 1-5 June 2024, Houston, TX, USA.
72. "Management of persistent obstructive sleep apnea in children" Meet the professor. SLEEP Conference, 1-5 June 2024, Houston, TX, USA.
73. "When does non-invasive ventilation become palliative vs. treatment in children with complex disorders?" Canadian Pediatric Society Conference, 6-8 June 2024, Vancouver, BC, Canada.

EDUCATION

Provincial:

University of Ottawa Medical School Year 1- Moderator CBL: Respiriology
University of Ottawa Medical School Year 3- OSCE examiner
CHEO Pediatric Residency OSCE examiner 2021
CHEO Pediatric Residency CARMS committee 2020

International:

European Respiratory Society - Educator (Sleep and Chronic Respiratory Failure modules)
European Respiratory Summer School, Pediatric Hermes Course (2015-Current)

Oxford University Course Tutor for Pediatric Sleep Disordered Breathing (2020-Current)

University of Sao Paulo, Brasil Guest Course Tutor for Otolaryngology Resident Training Program (2021-Current)

SERVICE & ADMINISTRATION

Professional Associations

International:

American Thoracic Society
European Respiratory Society

National:

Royal College of Physicians and Surgeons of Canada
Canadian Thoracic Society
Canadian Pediatric Sleep Network

Provincial:

Ontario Medical Association
The College of Physicians and Surgeons of Ontario
Canadian Medical Protective Association
Ontario Thoracic Society

Administrative Roles

International

Associate Editor- European Respiratory Review (2020-Current)

Field Editor- Journal of Sleep Medicine (2024-Current)

European Respiratory Society - Secretary of Pediatric Physiology and Sleep Section,
Pediatric Assembly (2015-2018). Chair elect (2018-2021)

European Respiratory Society – Pediatric Assembly Long Range Planning Committee
Member (2021-Current)

European Respiratory Society- Secretary of Pediatric Assembly (2023-Current)

American Thoracic Society- Sleep and Neurobiology web committee webinar-podcast co-
chair (2021-2022)

American Thoracic Society- Sleep and Neurobiology web committee webinar-podcast chair (2022)

American Thoracic Society- Sleep and Neurobiology web committee chair (2023-Current)

American Thoracic Society- Sleep and Neurobiology web-based education and pediatrics committee member (2014-2022)

American Thoracic Society - Methods in Epidemiologic, Clinical, Operational Research (MECOR) program graduate and educator (2017-2018)

Provincial

CHEO Resident Competence Committee member (2020-2022)