

CURRICULUM VITAE

Louella B. Amos MD

**Associate Professor
Department of Pediatrics
Division of Pulmonary**

OFFICE ADDRESS:

Children's Wisconsin - Specialty Clinics Building
8915 W Connell Court
Milwaukee, WI 53226

EDUCATION:

08/1995 - 05/2003 B.S. and M.D., University of Wisconsin, Madison, WI

POSTGRADUATE TRAINING AND FELLOWSHIP APPOINTMENTS:

07/2003 - 06/2006 Residency, Pediatrics, Medical College of Wisconsin and Affiliated Hospitals, Milwaukee, WI, 53226
07/2006 - 06/2009 Fellowship, Pediatric Pulmonology, Medical College of Wisconsin, Milwaukee, WI, 53226
07/2009 - 06/2010 Fellowship, Sleep Medicine, Medical College of Wisconsin and Affiliated Hospitals, Milwaukee, WI, 53226

FACULTY APPOINTMENTS:

07/2006 - 06/2009 Fellow of Pediatric Pulmonology, Medical College of Wisconsin, Milwaukee, WI, 53226
07/2009 - 06/2010 Fellow of Sleep Medicine, Medical College of Wisconsin and Affiliated Hospitals, Milwaukee, WI, 53226
07/2010 - 06/2017 Assistant Professor, Medical College, Milwaukee, WI, 53226
07/2017 - Present Associate Professor, Medical College of Wisconsin, WI, 53226

ADMINISTRATIVE APPOINTMENTS:

04/2021 - Present Department of Medicine Chief, Children's Wisconsin, 53226

HOSPITAL STAFF PRIVILEGES:

07/2010 - Present Children's Hospital of Wisconsin, Milwaukee, WI

SPECIALTY BOARDS AND CERTIFICATION:

<u>Board Certified</u>	<u>Issue Date</u>	<u>Expiration</u>
ABP Pediatric Pulmonology	11/2010	None
ABP Sleep Medicine	11/2011	None

<u>Certificates</u>	<u>Issued By</u>	<u>Issue Date</u>	<u>Expiration</u>
Basic Life Support	AHA	11/12/2021	11/30/2023

<u>Licensure</u>	<u>Number</u>	<u>Issue Date</u>	<u>Expiration</u>
Wisconsin License		11/02/2004	10/31/2023

AWARDS AND HONORS:

- 06/2007 - Present Outstanding Teacher among Pediatric Fellows, Children's Hospital of Wisconsin
05/2010 - Present MCWAH (Medical College and Affiliated Hospitals) Research Award recipient for
"Treatment and Outcomes of Pediatric Restless Legs Syndrome (RLS)" project

MEMBERSHIPS IN HONORARY AND PROFESSIONAL SOCIETIES:

- 07/2003 - 06/30/2009 American Academy of Pediatrics
09/2006 - Present American Thoracic Society
11/2006 - Present American College of Chest Physicians
07/2009 - Present American Academy of Sleep Medicine

NATIONAL ELECTED/APPOINTED LEADERSHIP AND COMMITTEE POSITIONS:

- 05/2017 - 05/2020 Member, Members in Transition and Training Committee, American Thoracic Society
04/27/2021 - 06/2022 Chair, Pediatric Age/Weight Criteria for PAP Task Force, American Academy of Sleep Medicine

INVITED LECTURES/WORKSHOPS/PRESENTATIONS:**Local**

- Louella Amos, Asthma and FENO, Pediatric Respiratory Conference, Children's Hospital Auditorium, 11/13/2007 - Present
Louella Amos, PFT Basics, Voice Clinic In-Service Presentation, Children's Hospital ENT clinic conference room, 03/07/2008 - Present
Louella Amos and Mary Dahmer, ABCA3 Deficiency and Lung Disease, Critical Care and Pulmonary Research Conference, Children's Hospital Herma Heart Center conference room, 11/24/2008 - Present
Louella Amos, Narcolepsy, Sleep technician education, Froedtert Hospital Pavilion, 11/23/2009 - Present
Louella Amos, Melatonin in Pediatrics, 1st Annual Children's Hospital of Wisconsin Pediatric Sleep Conference, Oakwood Center, 10/18/2010 - Present
Louella Amos, Sleep and Airflow Limitation: Understanding Nocturnal Asthma, Pediatric Respiratory Conference, Children's Hospital Auditorium, 03/29/2011 - Present
Louella Amos, Children and Sleep. WTMJ4 interview on Live at Daybreak-Saturday, 05/21/2011 - Present
Louella Amos, Aerodigestive Conference, Grand Geneva, Lake Geneva, Wisconsin, 09/23/2011 - Present

National

- Louella Amos, Moderator at North American Cystic Fibrosis Conference for the Pediatric Clinical Fellows Session, Orlando, Florida, 10/24/2008 - Present

PEER REVIEWED WORKSHOPS/PRESENTATIONS:**Local**

- Louella Amos, Tracy Pierret, Amy Lautz, Urban latino children's perceptions of health, Community Pediatrics Presentation, Medical College of Wisconsin, Milwaukee, 02/2005 - Present
Louella Amos and Andrew Tryba, Background sodium currents modulating respiratory pacemaker bursting regularity, Poster Presentation for Scholar Recognition Day, Medical College of Wisconsin, Milwaukee, 03/2007 - Present
Louella Amos, Faiza Ben Mabrouk and Andrew Tryba, Role of metabotropic glutamate receptors in respiratory rhythm generation, Poster Presentation for Scholar Recognition Day, Medical College of Wisconsin, Milwaukee, 04/2008 - Present
Louella Amos, Faiza Ben Mabrouk and Andrew Tryba, Role of metabotropic glutamate receptors in respiratory rhythm generation, Poster Presentation for Scholar Recognition Day, Medical College of Wisconsin, Milwaukee, 04/2009 - Present

National

- Louella Amos and Hari Bandla, Intrapulmonary sequestration presenting as refractory asthma, Clinical images in pediatric pulmonology: American Thoracic Society 2005 International Conference, San Diego, 05/20/2005 - 05/25/2005
Lynn D'Andrea and Louella Amos, Sleep-disordered breathing (SDB) in children with neuromuscular disorders presenting to a pediatric sleep laboratory, Thematic poster session: American Thoracic

Society 2007 International Conference, San Francisco, 05/18/2007 - 05/23/2007

Louella Amos and Diana Quintero, Case report: a chronic cough mystery, Slide presentation: CHEST 2007, American College of Chest Physicians (ACCP) annual meeting, Chicago, 10/20/2007 - 10/25/2007

Louella Amos, Faiza Ben Mabrouk, and Andrew Tryba, Role of metabotropic glutamate receptors in respiratory rhythm generation. Poster discussion session: American Thoracic Society 2009 International Conference, San Diego, 05/15/2009 - 05/20/2009

SK Park, LB Amos, A Rao, Y Matsumura, N Inagaki, MW Quasney, and MK Dahmer, Analyses of a novel ATP Binding Cassette (ABC) A3 Mutant, Thematic poster session: American Thoracic Society 2009 International Conference, San Diego, 05/15/2009 - 05/20/2009

Louella Amos, Megan Grekowicz, Evelyn Kuhn, Jenna Olstad, Maureen Collins, Nan Norins, Ramesh Sachdeva, and Lynn D'Andrea. Treatment and Outcomes of Pediatric Restless Legs Syndrome (RLS). Poster presentation: Annual meeting of the Associated Professional Sleep Societies 2010, San Antonio, 06/05/2010 - 06/09/2010

COMMITTEE SERVICE:

Medical College of Wisconsin

01/21/2008 Member, Internal Review Team for Internal Review of Pulmonary and Critical Care fellowship. Interviewed faculty and fellows. Participated in composing the final report of the internal review.

11/2010 - 01/2011 Interviewed and evaluated Medical College of Wisconsin pediatric residency candidates and participated in rank day in February 2011

Hospital

08/2009 - 06/2010 Attended monthly Froedtert sleep laboratory administrative meetings

07/2010 - Present Attending monthly CHW sleep laboratory business meetings

04/2018 - Present Chair, IRB#2, Children's Wisconsin

04/2021 - Present Member, Credentials Committee, Children's Wisconsin

04/2021 - Present Member, Medical Executive Committee, Children's Wisconsin

04/2021 - Present Chair, Joint Patient Care Committee, Children's Wisconsin

MEDICAL COLLEGE TEACHING ACTIVITIES:

Medical Student Education

03/2007 Lecture on Pulmonary Embryology and Vascular Rings for 4th year medical students' Respiratory Physiology Course, lecture on sleep and asthma

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Resident and Fellow Education

07/2006 - Present Lectures on pulmonary embryology, FENO and asthma, ABCA3 deficiency, pleural effusion, CCHS, Rett Syndrome, Safety of LABAs, and Hydrocarbon Ingestion for Fellows' conference

2006 - 2009 Thirty minute lectures for interns and medical students rotating through the ICU

2007 - 2009 Responsible for development and scheduling of fellows' didactic conferences (topics: pulmonary, radiology, pathology, journal club, bronchoscopy cases, research)

2009 - 2010 During sleep fellowship, lead discussions in journal clubs, case conferences, didactic presentations (8 total conferences)

04/2010 Participated in Pediatric Resident Board Review. Topic: Pediatric Sleep

2010 - Present 1 journal club and 1 didactic conference each year to the Pulmonary division, including faculty, fellows, residents and students

Continuing Medical Education

07/2006 - Present Monthly journal clubs
05/18/2007 - 05/23/2007 Attended ATS in San Francisco
09/10/2007 - 09/13/2007 Attended Pediatric Flexible Bronchoscopy Course in Cincinnati
10/20/2007 - 10/25/2007 Attended CHEST conference in Chicago
10/23/2008 - 10/25/2008 Attended North American Cystic Fibrosis Conference in Orlando
05/15/2009 - 05/20/2009 Attended ATS in San Diego
06/05/2010 - 06/09/2010 Attended APSS in San Antonio

MCW STUDENTS, FACULTY, RESIDENTS AND CLINICAL/RESEARCH FELLOWS MENTORED:

Clinical/Research Fellows

Julie Baughn, MD, MCW, 07/2010 - 01/2011 QI project

PROGRAMMATIC DEVELOPMENTS:

Educational Programs

Fellow

06/2008 - Present Participated in the development of an orientation program held in July 2008 and composed of short lectures and handouts for incoming 1st year fellows
03/2009 - Present Participated in updating the Pediatric Pulmonary fellowship website with Dr. William Gershan

Resident

2011 - Present Participated in modifying, maintaining, and organizing Pediatric Pulmonary elective for pediatric residents.

Research Programs

03/2007 - 03/2009 Outcomes of staff tracking during tracheostomy/ventilator clinic. Louella Amos MD, Carole Wegner (trach/vent APNP), Maureen Collins (outcomes director)
Pepsin as a biomarker for aspiration due to gastroesophageal reflux
Genetic variability in the ABCA3 and surfactant genes in the Hmong population.
Neuromodulation of respiratory pacemaker activity

BIBLIOGRAPHY

Refereed Journal Publications/Original Papers

1. Amos, L., Quintero, D. Chiari I Malformation Presenting as Chronic Cough. Pediatric Pulmonology 2008; 43:1040-1042.
2. Park, S.K. and Amos, L., Rao, A., Quasney M.W., Matsumura Y., Inagaki N., Dahmer M.K. Identification and Characterization of a Novel ABCA3 Mutation. Physiological Genomics 2010; 40: 94-99.
3. Amos, L., Quintero, D., Veith, R., Trapane, P., Beste, D., Gershan, W. A Rare Presentation of Neonatal Stridor. Clinical Pediatrics 2011;
4. Ben-Mabrouk, F. and Amos, L., Tryba, A.K. mGluR5 activates TRPC3/7 to enhance respiratory rhythm regularity. (In Progress)
5. Amos, L., and D'Andrea, L. Periodic breathing in a child with leukemia on chronic methadone therapy. (Submitted)
6. Amos, L., Grekowicz M., Kuhn E., Olstad J., Collins M., Norins N., Sachdeva R., D'Andrea L. Treatment and Outcomes of Pediatric Restless Legs Syndrome. (Submitted)
7. Amos LB, Quintero DR. Chiari I malformation presenting as chronic cough. Pediatr Pulmonol. 2008 Oct;43(10):1040-2.
8. Park SK, Amos L, Rao A, Quasney MW, Matsumura Y, Inagaki N, Dahmer MK. Identification and characterization of a novel ABCA3 mutation. Physiol Genomics. 2010 Jan 08;40(2):94-9.
9. Amos L, Quintero D, Veith R, Trapane P, Beste D, Gershan W. A rare presentation of neonatal stridor. Clin

- Pediatr (Phila). 2012 Mar;51(3):294-6.
10. Amos LB, D'Andrea LA. Severe central sleep apnea in a child with leukemia on chronic methadone therapy. *Pediatr Pulmonol*. 2013 Jan;48(1):85-7.
 11. Ben-Mabrouk F, Amos LB, Tryba AK. Metabotropic glutamate receptors (mGluR5) activate transient receptor potential canonical channels to improve the regularity of the respiratory rhythm generated by the pre-Bötzinger complex in mice. *Eur J Neurosci*. 2012 Jun;35(11):1725-37. PMID: PMC3370142
 12. Amos LB, D'Andrea LA. The sleepy teenager waking up to the unique sleep needs of adolescents *Contemporary Pediatrics*. 2012;29(10):34-45.
 13. D'Andrea LA, Amos LB. A look at adolescent sleep needs; Waking up to the unique sleep needs of adolescents *Contemporary Pediatrics*. 2012 October;29:34-45.
 14. Amos LB, Grekowicz ML, Kuhn EM, Olstad JD, Collins MM, Norins NA, D'Andrea LA. Treatment of pediatric restless legs syndrome. *Clin Pediatr (Phila)*. 2014 Apr;53(4):331-6.
 15. Konersman CG, Bordini BJ, Scharer G, Lawlor MW, Zangwill S, Southern JF, Amos L, Geddes GC, Kliegman R, Collins MP. BAG3 myofibrillar myopathy presenting with cardiomyopathy. *Neuromuscul Disord*. 2015 May;25(5):418-22.
 16. Amos LB. Restless Leg Syndrome *Pediatrics for Parents*. 2015;29:21.
 17. Bashir A, Amos LB. Nocturnal Choking, as an Isolated Manifestation of Epilepsy. *Glob Pediatr Health*. 2016;3:2333794X16679585. PMID: PMC5308441
 18. Densmore JC, Oldham KT, Dominguez KM, Berdan ER, McCormick ME, Beste DJ, Amos LB, Lang CA, Woods RK, Kouretas PC, Mitchell ME. Neonatal esophageal trachealization and esophagocarinoplasty in the treatment of flow-limited Floyd II tracheal agenesis. *J Thorac Cardiovasc Surg*. 2017 Jun;153(6):e121-e125.
 19. Gregory S, Chun RH, Parakininkas D, Amos L, Fons R, Lerner DG, Lal DR, Sulman C. Endoscopic esophageal and tracheal cauterization for closure of recurrent tracheoesophageal fistula: A case report and review of the literature. *Int J Pediatr Otorhinolaryngol*. 2017 Jul;98:158-161.
 20. Kallenbach SL, Espahbodi M, Amos LB, Beste DJ, Chun RH. Primary tracheocutaneous fistula closure with immediate transition to nocturnal noninvasive positive pressure ventilation in two children with Congenital Central Hypoventilation Syndrome. *Int J Pediatr Otorhinolaryngol*. 2020 Jul;134:110019.
 21. Amos L, Afolabi-Brown O, Gault D, Lloyd R, Prero MY, Rosen CL, Malhotra RK, Martin JL, Ramar K, Rowley JA, Abbasi-Feinberg F, Aurora RN, Kapur VK, Kazmi U, Kuhlmann D, Olson EJ, Shelgikar AV, Thomas SM, Trotti LM. Age and weight considerations for the use of continuous positive airway pressure therapy in pediatric populations: an American Academy of Sleep Medicine position statement. *J Clin Sleep Med*. 2022 Aug 01;18(8):2041-2043. PMID: PMC9340596

Books, Chapters, and Reviews

1. Amos LB. Cough Nelson Pediatric Symptom-Based Diagnosis. 2018:15-38.e1.
2. Amos, LB. Cough Nelson Pediatric Symptom-Based Diagnosis: Common Diseases and Their Mimics. 2022:27-53.e2 Scopus ID: 2-s2.0-85054370039 .
3. Amos LB and D'Andrea LA. What is obstructive sleep apnea syndrome? Curbside Consultation in Pediatric Sleep Disorders: 49 Clinical Questions. 2015:125-128 Scopus ID: 2-s2.0-85054370039.
4. Amos LB and D'Andrea LA. How is pediatric obstructive sleep apnea syndrome diagnosed? Curbside Consultation in Pediatric Sleep Disorders: 49 Clinical Questions. 2015:135-138 Scopus ID: 2-s2.0-85054370039.
5. Amos LB and D'Andrea LA. Hypercapnia in a Child Casebook of Sleep Medicine. 2019:90-94.e3 Scopus ID: 2-s2.0-85054370039.

Abstracts

1. D'Andrea, L., Amos, L., Sleep-disordered breathing (SDB) in children with neuromuscular disorders presenting to a pediatric sleep laboratory. *American Journal of Respiratory and Critical Care Medicine*, Volume 175, page A74, 2007.
2. Amos, L., Tryba, A., Background sodium currents modulating respiratory pacemaker bursting regularity. Poster presentation for Scholar Recognition Day, 3/2007.
3. Amos, L., Quintero, D., Case report: a chronic cough mystery. *Supplement to CHEST*, Volume 132, Number 4, page 705S, October 2007.
4. Amos, L., Tryba, A., Role of Metabotropic Glutamate Receptors in Respiratory Rhythm Generation. *American Journal of Respiratory and Critical Care Medicine*, Volume 179, page A6332, 2009.
5. Park, S.K., Amos, L., Rao, A., Matsumura, Y., Inagaki, N., Quasney, M.W., and Dahmer, M.K., Analyses of a

- novel ATP Binding Cassette (ABC) A3 Mutant. American Journal of Respiratory and Critical Care Medicine, Volume 179, page A3012, 2009.
6. Ben-Mabrouk, F., Amos, L., and Tryba, A.K. mGluR5 increases Substance P secretion to enhance respiratory rhythm regularity by inducing membrane expression and activation of TRPC3. Society for Neuroscience 2009.
 7. Amos, L., Grekowitz M., Kuhn E., Olstad J., Collins M., Norins N., Sachdeva R., D'Andrea L. Treatment and Outcomes of Pediatric Restless Legs Syndrome (RLS).

Peer Reviewed Educational Products

1. Amos LB. Cough Nelson Pediatric Symptom-Based Diagnosis. 1 January 2017:15-38.e1.
2. Amos L. Later Onset Congenital Central Hypoventilation Syndrome Medical Clinics of North America. 2023.
3. Maski KP, Amos LB, Carter JC, Koch EE, Kazmi U, Rosen CL. Recommended protocols for the Multiple Sleep Latency Test and Maintenance of Wakefulness Test in children: guidance from the American Academy of Sleep Medicine. J Clin Sleep Med. 2023 Dec 27.