

CURRICULUM VITAE

Christopher Michael Makris, MD MPH

May 8, 2013

PERSONAL DATA:

Name: Christopher Michael Makris
Citizenship: USA
Foreign Languages: Conversational Thai

RANK/TITLE: Professor
Department: Pediatrics
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HOSPITAL AND OTHER APPOINTMENTS:

<i>Institution</i>	<i>Rank/Title</i>	<i>Year</i>
Children's Hospital, Birmingham, AL	Active Staff	1996-present
Children's Rehabilitation Services	Active Staff	2002- present
UAB Hospital	Consulting Staff	1996- present
Brookwood Hospital, Birmingham, AL	Consulting Staff	1996-present
Seattle Children's Hospital	Active Staff	2010-2013
Harborview Medical Center	Active Staff	2010-2011
University of Washington Medical Center	Active Starr	2010-2011

EDUCATION:

<i>Institution</i>	<i>Degree/Major</i>	<i>Year</i>
Colorado State University Fort Collins, Colorado	Chemistry	1978-1981
Tulane University New Orleans, Louisiana	Medical Doctorate	1982-1986
University of Alabama at Birmingham School of Public Health	Masters of Public Health International Health	1994- 1996

MILITARY SERVICE:

Not applicable

LICENSURE:

<i>State</i>	<i>Number</i>	<i>Year</i>
Alabama	#15003	1990-present

Washington	#252-09	1990-present
Federal DEA	#BM1862348	1990-present

BOARD CERTIFICATIONS:

<i>Licensing Board</i>	<i>Number</i>	<i>Year</i>
Federal Licensure Examination	# 590307007	1986
American Board of Pediatrics	#42951	1989
Re-certified		1997, 2003
MOC Expires		2014
American Board of Pediatrics	#503	1996
sub-Board of Pediatric Pulmonary Medicine		
Re-certified		2004
MOC Expires		2014
American Board of Pediatrics	#38	2007
sub-Board of Sleep Medicine		
MOC Expires		2014
American Board of Sleep Medicine	#1441	2000
Expires		Life

POSTDOCTORAL TRAINING:

<i>Year</i>	<i>Degree</i>	<i>Institution</i>
1986-1989	Pediatric Internship and Residency	McGill University Montreal Children's Hospital
1993-1996	Pediatric Pulmonary Medicine Fellowship	University of Alabama at Birmingham

ACADEMIC APPOINTMENTS:

<i>Year</i>	<i>Rank/Title</i>	<i>Institution</i>
2011-present	Professor	University of Alabama at Birmingham
2010-present	Clinical Professor	University of Washington
2007-2010	Professor	University of Alabama at Birmingham
2003-2010	Director of Clinical Services, Pediatric Pulmonary Medicine	University of Alabama at Birmingham
2002-2007	Associate Professor	University of Alabama at Birmingham
1996-2002	Assistant Professor	University of Alabama at Birmingham

AWARDS/HONORS:

	<i>Year</i>
Birmingham's Best Doctor's	2006-present
Outstanding Junior Chemistry Major, Colorado State University	1980

PROFESSIONAL SOCIETIES/MEMBERSHIPS:

	<i>Year</i>
American Academy of Pediatrics	1989-present
American Thoracic Society	1995-present
American Academy of Sleep Medicine	2000-present

COUNCILS AND COMMITTEES:

Sleep Medicine Fellowship Directors Council, AASM	2010-2011
Chairman, Formulary Committee, Children's Hospital, B'ham, AL	2002-2008
Chairman, Alaris Pump Committee, Children's Hospital, B'ham, AL	2008-2010
Ethics Committee, Children's Hospital, B'ham, AL	2003-2010
Bariatric Surgery Committee, Children's Hospital, B'ham, AL	2003-2010
Health Services Foundation General Endowment Fund; Grant Review, UAB	2004-2010
Protective Life Clinical Initiative; Grant Review, UAB	2004-2010

COMMUNITY SERVICE

Laps For CF; Board Member, Birmingham, AL	2004-present
Magic Moments Board of Directors	2012-present

UNIVERSITY ACTIVITIES:***Medical Directorships***

Co-Director Sleep Disorder Center, Children's Hospital, Seattle, WA	2010-2011
Medical Director, Chronic Pulmonary Care Unit, Children's Hospital, B'ham, AL	1997-2013
Medical Director, Sleep Disorder Center, Children's Hospital, B'ham, AL	1998-2010
Medical Director, Home Ventilator Program Children's Hospital, B'ham, AL	2001-2010

Program Directorships

Director of Clinical Services	2003-2010
Division of Pediatric Pulmonary Medicine	
University of Alabama at Birmingham	

EDITORIAL BOARD MEMBERSHIPS

Peds PLACE Guidelines	2013-present
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MAJOR RESEARCH INTERESTS:

Pharmacological interventions for children with narcolepsy. Clinical outcomes for children with obstructive sleep apnea treated with positive airway pressure therapy and treatment interventions (pharmacological and respiratory support) for children with neuromuscular disease.

TEACHING EXPERIENCE:***Courses Developed***

Care of the Ventilator Dependent Child in the Home	2006-2010
Annual symposium for nurses and respiratory therapists caring for medically fragile children receiving invasive ventilatory support in the home.	
Sleep Medicine Fellowship	2006- 2010
Director , Sleep Medicine fellowship for the University of Alabama at Birmingham	

Scheduled Lecture Series

Pediatric Pulmonary Trainee Lecture Series (UAB)	1996-2010
Pediatric Resident Noon Conference (UAB)	1996-2010
Pediatric Pulmonary State of the Art Series (UAB)	1996-2010
Resident Career Day (UAB)	1999-2010
Trainees	
Jasun Gunn, MD Sleep Fellow	2008-2009
Han Phan, MD Sleep Fellow	2008-2009
Lisa Withrow, MD Sleep Fellow	2007-2008
Laura Akin, MD Sleep Fellow	2007-2008
David Lozano, MD Pediatric Pulmonary Fellow	2001-2004

MAJOR LECTURES AND VISITING PROFESSORSHIPS:

Grand Rounds:

Pediatric Grand Rounds, Columbus regional Hospital, Columbus, GA	2011
<i>Sleep Fragmentation in Children</i>	
Genetics Grand Rounds (CEU's; UAB, Birmingham, AL)	2008
<i>Respiratory Support For Children With A Chronic Disease</i>	
Psychiatry and Behavioral Neurobiology Child & Adolescent Grand Round	2007
<i>Pediatric Sleep: What's Normal and What's Abnormal</i>	

Presentations at National and International Meetings

Advanced Practice in Primary Care and Acute Care, Seattle, WA	2010
<i>Sleep Fragmentation in Children: Causes, Implications and Treatment Options</i>	
Nutrition for Infants, Children and Adolescents, Birmingham, Alabama	2010
<i>Pediatric Sleep and Obesity</i>	
Nutrition for Infants, Children and Adolescents, Birmingham, Alabama	2009
<i>Pediatric Sleep and Obesity</i>	
Assessment, Treatment and Environmental Factors that Impact Childhood Obesity, International Teleconference	2008
<i>Pediatric Sleep and Obesity</i>	
Fight SMA Annual Meeting, Washington D.C.	2006
<i>Thriving with SMA: Treatment Options for Children with SMA Type 1</i>	
Dreaming of a Good Night's Sleep	2005
Evaluation and Management of Sleep Disorders in Children	
Christus Santa Rosa Center for Children and Families, San Antonio, TX	
<i>Diagnosis and Treatment of Common Sleep Disorders</i>	
<i>SleepStudies: What the Pediatrician Needs To Know</i>	
Pediatric Pulmonary Symposium, Tupelo, Mississippi	2003
<i>Pediatric Sleep Disorders</i>	
14 th North American Cystic Fibrosis Conference, Baltimore, Maryland	2000
Anabolic Therapies for the Patient with Cystic Fibrosis	
<i>Treatment of CF Related Growth Failure with Megestrol Acetate: A Double-Blinded Placebo-Controlled Study</i>	
Ramathibodi Hospital, Bangkok, Thailand	1997
<i>Airway Stents in Pediatrics</i>	

GRANT SUPPORT:

Teva

C10953/100 (Makris)

Randomized, Open-Label Study to Characterize the Pharmacokinetics, Pharmacodynamics and Safety of Single and Multiple doses of Armodafinil (50,100, and 150 mg/day) in Children and Adolescents with Excessive Sleepiness Associated with Narcolepsy.

2013-present
\$296,836

5 percent effort Site PI

Genzyme

AGLU9411 (Makris)

ADVANCE study; A phase 4, open-label, prospective study in patients with Pompe disease to evaluate the efficacy and safety of alglucosidase alfa produced at the 4000 l scale

2012-present
\$108,199

5 percent effort, PI

Takeda Pharmaceuticals

Ramelteon for Treatment of Adult Patients with ADHD-Related Insomnia (Ferguson, R.)

2008-2010

5 percent effort

Sub-investigator

Spinal Muscular Atrophy Foundation

F080821015 (Makris)

Pilot Study of Biomarkers for Spinal Muscular Atrophy

2008-2010
\$29,000

5 percent effort

Site PI

Cephalon, Inc

C1538/3027/NA/MN (Makris)

A Phase 3, Randomized, Double-Blind, Placebo-Controlled, Parallel-Group Study to Assess the Efficacy and Safety of PROVIGIL® (Modafinil) Treatment (100, 200, and 400 mg/day) in Children and Adolescents With Excessive Sleepiness Associated With Narcolepsy

2004-2005
\$536,977

C1538/3028/AP/MN (Makris)

A Phase3, Randomized, Double-Blind, Placebo Controlled, Parallel-Group Study to Assess the Efficacy and Safety of PROVIGIL (Modafinil) Treatment (100, 200, and 400 mg/day) in Children and Adolescents with Excessive Sleepiness Associated with Obstructive Sleep Apnea/Hypopnea Syndrome

2004-2005
\$57,597

C1538/3029/ES/MN (Makris)

A 1-Year Open-Label, Flexible-Dosage Extension Study to Assess the Safety and Continued Effectiveness of PROVIGIL (Modafinil) Treatment in Children and Adolescents with Excessive Sleepiness Associated with Narcolepsy or Obstructive Sleep Apnea/Hypopnea

2004-2006
\$156,283

Bristol-Meyers Squibb

Megestrol acetate effects on weight gain in CF subjects exhibiting growth failure

1998
\$47,927

General Clinical Research Center NIH, GCRC Grant #MOI-RR00032

1998

Megestrol acetate effects on weight gain in CF subjects exhibiting growth failure

OTHER:

Work Experience Outside Of Academia:

<i>Year</i>	<i>Position</i>	<i>Institution</i>
1989-1990	Locum Tenens Physician Worked as a general pediatrician at various locations throughout the US	CompHealth Salt Lake City, Utah
1990-1991	Physician, Provided medical care and educational services to Indochinese refugees along the Thai-Cambodia border	American Refugee Committee Aranyprathet, Thailand
1991-1993	Pediatrician/General Medical Officer	US Public Health Service Barrow, AK

BIBLIOGRAPHY:

Manuscripts:

1. Com G, Kuo DZ, Bauer ML, Lenker CV, Melquizo-Castro MM, Nick TG, **Makris CM**. Outcomes of Children Treated With Tracheostomy and Positive-Pressure Ventilation at Home. *Clinical Pediatrics*. 2012;52(1):54-61.
2. Li Xiao, Atkinson PT, Hagood J, **Makris CM**, Duffy LB, Waites KB, Emerging Macrolide Resistance in *Mycoplasma pneumoniae* in Children: Detection and Characterization of Resistant Isolates with Real-time PCR. *Pediatric Infectious Disease Journal*. 2009, 28(8):693-696.
3. Bi Lilia L., Pan G, Atkinson PT, Zheng L, K. Dale J, **Makris CM**, Reddy V, McDonald JM, Siegel RM, Puck JM., Lenardo MJ, Straus SE. Dominant inhibition of Fas ligand-mediated apoptosis due to a heterozygous mutation associated with autoimmune lymphoproliferative syndrome (ALPS) Type Ib. *BMC Medical Genetics* 2007, 8:41.
4. Kankirawatana, P, Leonard, H, Ellaway, C, Scurlock, J, Mansour, A, **Makris, CM**, Dure, LS, Friez, M, Lane, J, Kiraly-Borri, C, Fabian, V, Davis, M, Jackson, J, Christodoulou, J, Kaufmann, WE, Ravine, D, Percy, AK. Early progressive encephalopathy in boys and *MECP2* mutations. *Neurology* 2006;67:164–166.
5. Eubanks V, Koppersmith N, Wooldridge N., Clancy JP, Lyrene RK, Arani RB, Lee J, Moldawer L, Atchinson J, Sorscher E, **Makris CM** (2002). Effects of megestrol acetate on weight gain, body composition and pulmonary function in patients with cystic fibrosis. *J Pediatr* 2002;140:439-44.
6. Andes WA, **Makris CM**, Beltran G, Stuckey WJ.(1986). Hemoglobin production in human bone marrow cultures is inhibited by lyophilized coagulation factor concentrates. *Am J Med Sci*. 1986 Apr;291(4):211-4.

Book Chapters:

1. **Makris, C.M.** *Common Sleep Disorders*. Gellis & Kagan's Current Pediatric Therapy, 8th edition. W. B. Saunders Co. 2006

2. Pegram, G.V., McBurney, J., Harding, S.M., **Makris, C.M.** *Normal Sleep and Sleep Disorders in Adults and Children.* Boll's, Handbook of Clinical Health Psychology, Disorders of Behavior and Health. American Psychological Association, 2004
3. **Makris, C.M.** *Common Sleep Disorders.* Gellis & Kagan's Current Pediatric Therapy, 7th edition. W. B. Saunders Co., 2001

Published Abstracts:

1. Avis K, Oster RA, Lozano DJ, **Makris CM.** Evaluating The Benefit Of Seeing Patients The Morning After The NPSG: Results Of A QI Project In A Pediatric Sleep Center. *SLEEP Suppl 33: A0976, 2010*
2. Avis K, Oster RA, Lozano DJ, **Makris CM.** Compliance With Pap In Pediatric Special Populations. *SLEEP Suppl 33: A0988, 2010*
3. Westbrook H, Wooldridge N, Avis KA, **Makris CM.** Relationship between BMI, Nutrition Knowledge, and Daytime Sleepiness in a Pediatric Population Suffering from Obstructive Sleep Apnea Syndrome. *J Amer Dietetic Assoc Suppl 2009*
4. Avis K, Oster R, Lozano D, Laughlin B, **Makris C.** Is there a change in BMI in children treated with cpap? *Peds Pulm Suppl, 2009*
5. Avis K, Oster R, Lozano D, Laughlin B, **Makris C.** Compliance With Pap In Pediatric Patients With Downs Syndrome And OSA. *Peds Pulm Suppl, 2009*
6. Avis K, Britton L, Reeves G, ; **Makris CM.** Investigation Of Sleep In Children With CF During Pulmonary Exacerbation And Recovery Period. *Peds Pulm Suppl, 2008*
7. Avis K, Makris C, Lozano D, Dixon L. Compliance With Positive Airway Pressure In APediatric Population. *Sleep Suppl, 31:A87, 2008*
8. Umlauf MG, Coleman K, Rockers K, Cubells JF, Ousley O, **Makris CM.** Sleep & activity disturbances in 22q11 deletion syndrome using actigraphy. *Sleep Suppl, 31:A70, 2008*
9. Atkinson TP, Clancy JP, Lyrene RK, **Makris CM,** Patel PK, Duffy LB, McDonough AK, Cassell GH. Association of Joint Symptoms in Cystic Fibrosis with Chlamydomphila pneumoniae. *Proc of the American Thoracic Society (PATS) Suppl 2 A53, 2005*
10. DiLeo HA, Umlauf MG, **Makris CM,** Orji C. Assessment of the Reliability and Validity of One Brand of Actigraphy Device in Young Children. *Sleep Suppl 28:A318,2005*
11. Umlauf MG, Pryor ER, Bishop J., **Makris CM.** Excessive daytime sleepiness in a Children's Daytime Sleepiness in a Children's Sleep Center. *Sleep Suppl 27:A88,2004*
12. Umlauf MG, **Makris C,** Bishop J. Narcolepsy and Idiopathic Hypersomnia in Children. *Sleep Suppl 36:A276,2003*
Eubanks V., Koppersmith N., Wooldridge N., Clancy J.P., Sorscher E., Arani R., Atchinson J., **Makris C.M.** Effects of megestrol acetate on energy intake, weight gain, body composition and resting energy expenditure in cystic fibrosis patients. *Peds Pulm Suppl 20:A518, 2000.*
13. Eubanks V., Wooldridge N., Clancy J.P., Sorscher E., Lyrene R., **Makris C.M.** Megestrol Acetate (Megace) effects on weight in cystic fibrosis subjects exhibiting growth failure: a case control study. *Peds Pulm Suppl 12:A542, 1998*
14. Wahed M., **Makris C.M.,** Alvarez J., Fuchs G., Stephensen C., Makris J. Evaluation of vitamin A status during an acute illness. *FASEB J. 11:A141, 1997.*
Makris C.M., Wahed M., Alvarez J., Stephensen C., Makris J. Effect of recurrent

infections on Vitamin A stores in children recently supplemented with high dose vitamin A. *FASEB J.* 11:A605, 1997.

Oral Presentations:

1. 14th North American Cystic Fibrosis Conference, Baltimore, Maryland 2000
Anabolic Therapies for the Patient with Cystic Fibrosis
*Treatment of CF Related Growth Failure with Megestrol Acetate:
A Double-Blinded Placebo-Controlled Study*

MISCELLANEOUS:**Courses Developed**

Established The Sleep Medicine Fellowship Program at UAB. This program is unique as it is one of the few sleep fellowship programs in the country with a training track designed specifically to train pediatric sleep providers.