

CURRICULUM VITAE

MARK ROBERT JOHNSON, M.D.

CITIZENSHIP United States

WORK ADDRESS Southern Illinois University School of Medicine
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PRESENT POSITION: Assistant Professor of Clinical Pediatrics, Pediatric Pulmonology
SIU School of Medicine, Springfield, IL

Director Pediatric Cystic Fibrosis Center
SIU School of Medicine, Springfield, IL

EDUCATION

1979-1980 Humboldt State University, Arcata, CA
1982-1984 California State University, Chico, Chico, CA
Bachelor of Sciences in Civil Engineering, May 1984
1985 Daniel Freeman Hospital Paramedic School, Inglewood, CA
1987-1988 Diablo Valley College, Pleasant Hill, CA
1988-1989 California State University, Hayward, CA
1989-1993 Saint Louis University School of Medicine, Saint Louis, MO
Medicinae Doctoris, May 1993
1993-1996 Resident, Department of Pediatrics,
University of Texas Health Science Center, San Antonio, TX
2000-2003 Pulmonary Fellow, Division of Allergy and Pulmonary
Medicine, Saint Louis Children's Hospital, Saint Louis, MO

EMPLOYMENT

1985-1989 Paramedic
Santa Clara and Contra Costa Counties, CA
1996-1997 Pediatric In-hospital Physician
Barnes-Jewish, Saint Peter's Hospital, Saint Peter's, MO
1997-2000 Private practice: Pediatrics
Highland, IL
2003-2004 Pediatric In-hospital Physician
SSM Glennon Care Pediatrics,
Belleville, IL
8/2004-Present Assistant Professor of Clinical Pediatrics
Pediatric Pulmonology
Southern Illinois University School of Medicine
Springfield, IL

CLINICAL APPOINTMENTS

1997-2002	Saint Joseph's Hospital, Breese, IL
1997-2002	Saint Joseph's Hospital, Highland IL
1997-2002	Anderson Hospital, Maryville IL
2003-2004	Belleville Memorial Hospital, Belleville, IL Anderson Hospital, Maryville, IL Saint Anthony's Hospital, Alton, IL
2004-Present	Saint John's Medical Center, Springfield, IL Memorial Medical Center, Springfield, IL
2013-Present	Director, Cystic Fibrosis Care Center, Pediatrics SIU School of Medicine, Springfield, IL

LICENSURE AND BOARD CERTIFICATION

National Board of Medical Examiners, Diplomat
American Board of Pediatrics, Diplomat, Certified
American Board of Pediatrics, Diplomat, Recertification
Medical License, State of Missouri
Medical License, State of Illinois

HONORS AND AWARDS

1993	Dean's Staff Award, Saint Louis University School of Medicine
2002	Cystic Fibrosis Foundation Clinical Fellows Grant

PROFESSIONAL SOCIETIES AND ORGANIZATIONS

Fellow, American Academy of Pediatrics
Member, American College of Sports Medicine
Member, North American Society of Pediatric Exercise Medicine

PUBLICATIONS

1. **Energy cost of activity and exercise in children and adolescents with cystic fibrosis.** Johnson MR, Shepherd RW, Ferkol TW. *J Cystic Fibrosis* 2006 Jan; 5(1):53-58. Epub 2005 Dec 15. PMID: 16360343
2. **Total energy expenditure as measured by the heart rate method using progressive cycle ergometry.** Johnson MR, Shepherd RW, Ferkol TW. *Med Sci Sports Exerc* 2003; 35:S225 (Abstract)
3. **Maximal exercise function in children and adolescents with cystic fibrosis compared with normal controls.** Johnson MR, Shepherd RW, Ferkol TW. *Med Sci Sports Exerc* 2004; 36:S65 (Abstract)
4. **Energy cost of daily activity and exercise in children and adolescents with cystic fibrosis.** Johnson MR, Shepherd RW, Ferkol TW. *Ped Pulm* 2005; 40: S345 (Abstract)
5. **Shortness of breath due to congenital diaphragmatic hernia.** Johnson MR, Clarke L, Freehill A. *Med Sci Sports Exerc* 2006; 38:S137 (Abstract)

Publications - continued

6. **Exercise intolerance in a 15 year old soccer player with previous diaphragmatic hernia.** Tew JM, Freehill A, Johnson MR. *Med Sci Sports Exerc* 2007; 39:S1005 (Abstract)
7. **Effect of Physical Activity on Cytokine Levels.** Johnson MR, Hopkins-Price PL, Liberati TA, Trammell RA, Markwell SJ, Mirza N. *Med Sci Sports Exerc* 2008; 40:5, S430 (Abstract)
8. **Activity, Exercise and Anti-Inflammatory Response in Persons with Cystic Fibrosis.** Johnson MR, Markwell SJ, Liberati TA, Liberati TA, Trammell RA, Mirza N, Hopkins-Price PL. *Ped Pulm* 2008;43:S392 (Abstract)
9. **Physical Activity and Inflammation in Cystic Fibrosis.** Johnson, MR, Hopkins-Price, PL, Liberati, TA, Randle M, Singhal S. *Ped Pulm* 2012;47:S373 (Abstract)

INVITED TALKS

Local/Regional

- April 2002 **Department of Pediatrics Resident's Case Conference: Role of Epinephrine in the Treatment of Bronchiolitis.** Saint Louis Children's Hospital, St. Louis, MO
- December 2002 **Fellows Research Conference.** Washington University Medical School Department of Pediatrics, St. Louis, MO
- March 2005 **Department of Pediatrics Grand Rounds: Cardiopulmonary Exercise testing for the Evaluation of Exercise Induced Shortness of Breath.** Southern Illinois University School of Medicine, Springfield, IL
- May 2005 **Department of Pediatrics Grand Rounds: Cystic Fibrosis.** Southern Illinois University School of Medicine, Springfield, IL
- December 2005 **Department of Pediatrics Ground Rounds: CPC: Congenital Arthrogyptosis.** Southern Illinois University School of Medicine, Springfield, IL
- May 2006 **Springfield Area Mobile Intensive Care (SAMIC) EMS Trauma Conference: Childhood Asthma.** Springfield, IL
- February 2007 **Department of Pediatrics Ground Rounds: Activity, Fitness, Performance and Health.** Southern Illinois University School of Medicine, Springfield, IL
- November 2007 **Department of Pediatrics Ground Rounds: Vocal Cord Dysfunction.** Southern Illinois University School of Medicine, Springfield, IL
- September 2008 **Department of Pediatrics Ground Rounds: Inflammation, Activity and Exercise.** Southern Illinois University School of Medicine, Springfield, IL
- February 2010 **Department of Pediatrics Ground Rounds: Newborn Screening and Early Intervention in Children with Cystic Fibrosis.** Southern Illinois University School of Medicine, Springfield, IL

INVITED TALKS/Local/Regional – continued

- May 2010 **Department of Pediatrics Ground Rounds: CPC-Delayed Presentation of Diaphragmatic Hernia.** Southern Illinois University School of Medicine, Springfield, IL
- Aug 2011 **Department of Pediatrics Ground Rounds: A Clinical Approach to Respiratory Problems During Exercise.** Southern Illinois University School of Medicine, Springfield, IL
- Aug 2011 **Sports Medicine Symposium: Exercise-Induced Asthma and Exercise-Associated Shortness of Breath.** Memorial SportsCare, Springfield, IL
- Feb 2012 **Department of Pediatrics Ground Rounds: An Unusual Cause of Wheezing.** Southern Illinois University School of Medicine, Springfield, IL
- April 2012 **Pediatrics for the Primary Care Physician, CME Conference: Asthma Management and Care for Primary Care Physicians.** Southern Illinois University School of Medicine, Springfield, IL
- March 2014 **The Art and Science of Chest Physiotherapy in Children.** Southern Illinois University School of Medicine, Springfield, IL
- January 2015 **Endemic North American Fungal Infections:** Southern Illinois University School of Medicine, Springfield, IL
- February 2016 **Protein Misfolding, Disease and Therapy:** Southern Illinois University School of Medicine, Springfield, IL
- March 2016 **Ped Asthma for Teachers:** Springfield, IL School District
- April 2016 **Cystic Fibrosis for the Primary Care Provider,** Course Director. Southern Illinois University School of Medicine, Office of Continuing Professional Development
- Treatment of Acute and Chronic Lung Infection in CF**
- New Therapies in CF**
- Exercise and CF**
- National**
- October 2002 **Pediatric Fellows' Session.** Sixteenth Annual North American Cystic Fibrosis Conference. New Orleans, LA
- October 2005 **Energy Cost of Daily Activity and Exercise in Children and Adolescents with Cystic Fibrosis.** Nineteenth Annual North American Cystic Fibrosis Conference. Baltimore, MD
- May 2006 **Shortness of Breath Due to Congenital Diaphragmatic Hernia.** American College of Sports Medicine (ACSM) Annual Meeting. Denver, CO
- September 2008 **A Comparison of Cycle and Treadmill Exercise Testing in Children.** 15th North American Society for Pediatric Exercise Medicine (NASPEM) Scientific Meeting. Colorado Springs, CO
- May 2009 **Inflammation Exercise and Cystic Fibrosis.** American College of Sports Medicine (ACSM) Annual Meeting. Seattle, WA

Johnson, Mark R.

- October 2012 **Physical Activity and Inflammation in Cystic Fibrosis.** 26th
Annual North American Cystic Fibrosis Conference, Orlando, FL
- October 2012 **Physician Grand Rounds: Idiopathic Scoliosis in an Adolescent
with CF.** 26th Annual North American Cystic Fibrosis Conference,
Orlando, FL

RESEARCH

- 2001-2003 Title: Activity, Energy Expenditure and Malnutrition in Cystic
Fibrosis. Support: Cystic Fibrosis Foundation Clinical Fellows grant.
Research mentor: Ross Shepherd, M.D.
- 2006-2009 Title: Exercise and Inflammatory Resolution in Cystic Fibrosis.
Support: Central Research Committee of Southern Illinois University
School of Medicine, \$14,510.
- 2007-2009 Title: A Comparison of Cycle and Treadmill Exercise Testing in
Children.
- 2008-Present Cystic Fibrosis Patient Registry (SCRIHS 12-470)
- 2009-2012 Physical Activity and Inflammation in Cystic Fibrosis (SCRIHS 09-
068).