

## *CURRICULUM VITAE*

**Mark S. McIntosh MD, MPH, FACEP**

### **PERSONAL**

Address: Department of Emergency Medicine  
University of Florida Health Science Center Jacksonville  
655 West Eighth Street  
Jacksonville, FL 32209  
(904)-244-4046  
Email: [mark.mcintosh@jax.ufl.edu](mailto:mark.mcintosh@jax.ufl.edu)

### **EDUCATION AND TRAINING**

#### **Undergraduate**

1980 – 1984 Duke University, Psychology, summa cum laude, Durham, North Carolina  
Degree: Bachelor of Science

1986 – 1987 Harvard School of Public Health, Boston, Massachusetts  
Degree: Master of Public Health

#### **Graduate**

1984 – 1989 Duke University School of Medicine, Durham, North Carolina  
Degree: Doctor of Medicine

#### **Postgraduate**

1989 – 1993 Duke University Medical Center, Durham, North Carolina  
Affiliated Residency in Medicine/Pediatrics

1992 – 1993 Duke University Medical Center, Durham, North Carolina  
Chief Resident in Medicine/Pediatrics

1993 – 1996 University Medical Center, Jacksonville, Florida  
Affiliated Residency in Emergency Medicine

#### **Further Training:**

1998 – 2000 Columbia International University  
Columbia Biblical Seminary and School of Missions  
Completed 1 year of seminary training

2006 – 2007 Associate Fellowship in Integrative Medicine, the University of Arizona

## **LICENSE AND CERTIFICATES**

2002                      Diplomate in Pediatric Emergency Medicine (Active)

1997/2006                Diplomate of the American Board of Emergency Medicine  
(Active)

1993/2005                Diplomate of the American Board of Internal Medicine (Active)

1993/2002/2008        Diplomate of the American Board of Pediatrics (Active)

2012                      Diplomate the American Board Hospice and Palliative Medicine

2009 – 2013              Advanced Trauma Life Support

State of North Carolina (#36474) issued 1/30/93, Inactive

State of Florida (#ME 89160) issued 11/18/03, Active

State of South Carolina (#19989) issued 12/12/97, Inactive

## **HONORS**

1980                      Early Identification Program – Acceptance during sophomore year,  
Duke University School of Medicine, Durham, North Carolina

1989                      Receptor Program – Foreign Mission Board, Southern Baptist  
Convention, Hospital Bautista, Asuncion, Paraguay

1991                      Duke in Tanzania Program – Acting Resident in Internal Medicine,  
Muhimbili Hospital, Dar Es Salaam, Tanzania

1992                      Duke/Oxford Exchange Program – Registrar in Pediatrics  
John Radcliffe Hospital, Oxford, England

1996                      Best Resident Award – Department of Emergency Medicine  
University Medical Center, Jacksonville, Florida

2007                      Department of Emergency Medicine Outstanding Teacher of  
the Year Award

2008                      University of Florida College of Medicine Exemplary Teachers  
Award

- 2009 University of Florida College of Medicine Exemplary Teachers Award
- 2010 Individual Eye on Wellness Award recipient - Virgin HealthMiles

**PROFESSIONAL SOCIETY MEMBERSHIP**

- American College of Physicians, 1989 - 1997
- American Academy of Pediatrics, 1989 - 1997, 2005 - present
- American College of Emergency Physicians, 1993 to Present
- Duval County Medical Society - Active
- Florida Medical Association – Active
- American Academy of Hospice and Palliative Medicine, 2010 - Present
- American Society of Bariatric Physicians 2012

**APPOINTMENTS**

- 7/96 - 2/98 Clinical Assistant Professor, University of Florida Health Science Center/Orange Park Medical Center, Jacksonville/Orange Park, Florida
- 3/98 - 12/03 Lexington Medical Center, Emergency Department, 2720 Sunset Boulevard, West Columbia SC 292169
- 2000 – 2003 Medical Director for Crossover Communications International
- 12/03 – 7/11 Clinical Assistant Professor, University of Florida, Department of Emergency Medicine, 655 West Eighth Street, Jacksonville, FL 32209
- 7/05 – Present Medical Director, UF&Shands/Jax Program in Integrative Medicine
- 7/05 – Present Educational Director for Division of Pediatric Emergency Medicine
- 2005 – 2009 Chair, Oral Health Care for Children Coalition , Jacksonville, FL
- 2009 – Present Corporate Wellness Director for UF and Shands / Jacksonville

- 2010 - Present     Director of Integrative Palliative Care at UF and Shands  
Jacksonville
- 2011-Present     Clinical Associate Professor, University of Florida, Department of  
Emergency Medicine, 655 West Eighth Street, Jacksonville, FL 32209

**COMMUNITY ACTIVITIES**

- 7/00 -12/03     Medical Director for Crossover Communications International
- 2008 – 2012     Missions Committee Eastside Community Church

**PROFESSIONAL ACTIVITIES:**

**Research and Funding**

- 1987             Public Health – Harvard Evaluation Team: Effectiveness of program  
implemented by SAVE THE CHILDREN in Dominican Republic
- 1987             Basic Science – Laboratory of Andrew E. Balber, Ph.D. Department of  
Immunology, Duke University
- 1995             International Health Alliance Medical Partnership Program,  
Emergency Medical System Analysis in Murmansk
- 2005/06         Dental Coalition Development and Retrospective Epidemiologic  
ED Dental Study. Community Pediatric Enrich Program funded by  
Dyson Foundation  
Award: \$4000
- 2005             Children’s Miracle Network Grant for Pediatric Simulation  
Award: \$21,140.
- 2006             Integrative Medicine Task Force Budget  
Award: \$72,000 (This includes part of Fellowship funding)
- 2006-2007       UF and Shands – Jacksonville Funding for Associate Fellowship  
in Integrative Medicine, University of Arizona  
Award: \$32,600
- 2006-2007       Dean’s Fund Faculty Research Grant  
Title of Grant:     The Use of Mind-body Medicine to Improve  
Resident Wellbeing  
Award: \$9,936.

2007	Aetna Foundation Grow a Healthy Smile Campaign (Dental coalition project) Award: \$49,000
2007	American Academy of Pediatrics Rome Visiting Professorship Award: \$4200
2008 - 2010	AHEC Grant: Implementation of Campus Wide Smoking Cessation Program, Campus and Community Education Award: \$90,000
2008 - 2009	Multi-center, randomized intervention to compare the effects of 2 dietary programs on cardiometabolic risk factors in subjects with metabolic syndrome. Sponsored study by MetaProteomics LLC. Budget for UF&Shands: \$254,000
2009	Scheidel Foundation Grant: \$44,649
2009 - Present	Corporate Wellness Director Contract with ED: \$125,000/year
2011	Scheidel Foundation Grant: \$40000 Sarah Rausch Osian
2012	Riverside Hospital Foundation: \$41,307.50 Development of ED Triage Tool for assessing Goals of Care, Advance Directives and symptoms management

**Presentations**

4/2005	UF&Shands Integrative Medicine Grand Rounds “Spirituality and Health”
3/2006	“Oral Health Care for Children” - Presentation to the American Academy of Pediatrics, Community Pediatrics Training Initiative Team
6/2006	“DKA and HONK” – What you Thought You Knew but Didn’t Clinical Decision Making in EM: An Evidence Based Conference (Ponte Vedra Florida)
9/2006	“An Integrative Approach to Medicine” CME Session at FMA Annual Meeting in Orlando

- 3/2008 UF&Shands/Nemours Department of Pediatrics Grand Rounds:  
“An Integrative Approach to Pediatrics”
- 6/2008 “Physician, Heal Thyself”  
Clinical Decision Making in EM: An Evidence Based Conference  
(Ponte Vedra, Florida)
- 6/2008 “Caring for the Caregiver”  
Clinical Decision Making in EM: An Evidence Based Conference  
(Ponte Vedra, Florida)
- 2009 “Integrating Hospice and Palliative Care Services in the ED:  
Effects on Resident and Faculty Education and ED Overcrowding”  
SAEM National conference
- 2009 UF Medical Student Spring Retreat
- 2009 First Coast Worksite Wellness Council: UNF  
“Moving Wellness Forward”
- 2010 “Clinical Applications of a Therapeutic Lifestyle Program”, American  
Society of Nutrition - Satellite Symposium at FASEB Conference: The  
Importance of Diet and Phytonutrients in Metabolic Syndrome and  
Obesity. Chair: Jeffrey Bland
- 2010 Shands Healthcast (podcast): Stress
- 2010 Toxins in your environment for UF and Shands CW
- 2010 Simulation Training- Prevention of Pre-approach. 6<sup>th</sup> National  
Learning Congress for the Donation and Transplantation Community  
of Practice. Nov 3-4, 2010. National presentation
- 2011 What is Palliative CARE Gospel Radio On the air at 3pm Jan 13, 2011
- 2011 “Energize yourself with food” Speaker for United Way Women in  
Leadership 3/22 “Energize yourself with food”
- 2011 A therapeutic Lifestyle nutritional intervention in patients with Metabolic  
Syndrome. Endocrine Grand Rounds: March 4, 2011
- 2012 Is your lack of sleep making you sick? Campus CW. 7/21/11:
- 2011 “Drink for the Health of It: August 2011 Corporate Wellness Presentation

2011 “Round table discussion with Jeff Bland”: Functional Medicine Update, Synthesis at Lifestyle Medicine Summit July 7, 2011; Gig Harbour Washington

## **PUBLICATIONS:**

1. JoDee M. Anderson, MD, Med, Garth Meckler, MD, MSHS, Madeline Matar Joseph, MD, FAAP, FACEP Mark McIntosh MD. Simulation-Based Medical Education: Applications, Future Directions, and Challenges For Pediatric Emergency Medicine EB Medicine. Special Report 2012
2. Mark S. McIntosh, MD, MPH; Vivek Kumar, MD, MPH; Colleen Kalynych, MSH, EdD; Michelle Lott; Alex Hsi, MS, MPH; Jyh-Lurn Chang, PhD; Robert H. Lerman, MD, PhD Global Advances in Health and Medicine. 2013 Mar 2,2.
3. [A Mediterranean-style, low-glycemic-load diet decreases atherogenic lipoproteins and reduces lipoprotein \(a\) and oxidized low-density lipoprotein in women with metabolic syndrome.](#) Jones JL, Comperatore M, Barona J, Calle MC, Andersen C, **McIntosh M**, Najm W, Lerman RH, Fernandez ML. Metabolism. 2012 Mar;61(3):366-72. Epub 2011 Sep 23
4. Zeretzke CM, **McIntosh MS**, Kalynych CJ, Wylie T, Lott M, Wood D. Use of an Immunization Registry Reduced Emergency Physician's Use of Blood Screens For Occult Bacteremia in Children Who Present With Fever Without a Source. Pediatric Emergency Care. Accepted for Publication.
5. **McIntosh**, Kalynych, Devos, Wylie. The Curriculum Development Process for an International. Manuscript accepted for publication in Teaching and Learning in Medicine. April-27-11.
6. Weiner EJ, **McIntosh MS**, Joseph MM, Maraqa N, Davis PG. [Neonatal scalp abscess: is it a benign disease?](#) J Emerg Med. 2011 May;40(5):e97-101. Epub 2009 Oct 21.
7. Jones JL, Fernandez ML, **McIntosh MS**, Najm W, Calle MC, Kalynych C, Vukich C, Barona J, Ackermann D, Kim JE, Kumar V, Lott M, Volek JS, Lerman RH. A Mediterranean-style low-glycemic-load diet improves variables of metabolic syndrome in women, and addition of a phytochemical-rich medical

- food enhances benefits on lipoprotein metabolism. *Journal of Clinical Lipidology* 2011;5:188–196.
8. Ackermann D, Jones J, Barona J, Calle MC, Kim JE, LaPia B, Volek JS, **McIntosh M**, Kalynych C, Najm W, Lerman RH, Fernandez ML. Waist circumference is positively correlated with markers of inflammation and negatively with adiponectin in women with metabolic syndrome. *Nutr Res.* 2011 Mar;31(3):197-204
  9. **McIntosh M**. A Clinician's Perspective on Incorporating Therapeutic Lifestyle Change into Clinical Practice Running title: Clinician's perspective on implementing TLC program . *Functional Foods in Health and Disease* 2011, 2:50-60
  10. Jones L, Ackerman D, Barona J, Calle M, **McIntosh**, et al. A Mediterranean Low-Glycemic-Load Diet alone or in Combination with a Medical Food Improves Insulin Sensitivity and Reduces Inflammation in Women with Metabolic Syndrome. *British Journal of Medicine & Medical Research*, 1(4):358-370, 2011.
  11. Fernandez ML, Jones JJ, Ackerman D, Barona J, Calle M, Comperatore MV, Kim JE, Andersen C, Leite JO, Volek JS, **McIntosh M**, Kalynych C, Najm W, Lerman RH. Low HDL cholesterol is associated with increased atherogenic lipoproteins and insulin resistance in women classified with metabolic syndrome. *Nutr Res Pract.* 2010 Dec;4(6):492-8. Epub 2010 Dec 28.
  12. **McIntosh M**, \*Konzelmann J, Smith J, Kalynych C, Wears R, Schneider H, Wylie T, \*Kaminski A, Joseph M. Stabilization and treatment of dental avulsions and fractures by emergency physicians using Just-in-Time training. *Annals of Emergency Medicine.* October 2009; 54(4): 585-592.

### Books / Book Chapters

1. **McIntosh M**, Wylie T. *Emergencies in Infants and Toddlers* Adams EM Text, 2<sup>nd</sup> Edition. Saunders Elsevier, Philadelphia, PA., 2012
2. Wylie T, **McIntosh M**. *Dehydration.* Harwood-Nuss' Clinical Practice of Emergency Medicine 5<sup>th</sup> Edition, Chapter 230, Lippincott, Williams &Wilkins, Philadelphia, PA, 2009, pp. 1139-1142.



3. **McIntosh M.** *Infants and Toddler*. Emergency Medicine, Chapter 19, Saunders Elsevier, Philadelphia, PA., 2008. pp. 199-210.
4. **McIntosh M,** Khan N. *Pediatric Valvular Heart Disease*. Pediatric Emergency Medicine, Chapter 67, Saunders Elsevier, Philadelphia, PA., 2008, pp. 522-529.
5. **McIntosh M.S., Shepherd S.M.** *Mushrooms and Toxic Vegetations*. Emergency Medicine, Chapter 150, Philadelphia, WB Saunders Company, Philadelphia, PA 1997, pp. 1476 – 1488.

#### **Abstract/Poster Presentations:**

##### **Correction of the Omega-3 Index in Women with Metabolic Syndrome by Adding Omega-3 Supplements to a Mediterranean Style Diet** lerman

1. **McIntosh M,** Westenbarger R, Kalynych CJ, Wylie T. Use of just-in-time training to teach EM physicians new stabilization techniques for dental avulsions and fractures. Innovations in Emergency Medicine Exhibits/SAEM National Meeting. Phoenix, AZ, June 3-6, 2010.
2. Zeretzke C, **McIntosh M,** Wylie T, Kalynych C. Impact of an immunization registry on fever with source in children aged 6-24 months who present to the Pediatric Emergency Department. SAEM Annual Meeting. Phoenix, AZ, June 3-6, 2010.
3. **McIntosh M,** Sheikh-ali M, Lerman RH, Kalynych CJ, Vukich C. Improvement of cardiovascular risk factors in women with metabolic syndrome on a Mediterranean-style low-glycemic-load diet and a medical food containing soy protein, phytosterols, hops rho iso-alpha acids, and acacia proanthocyanidins. American Diabetes Association's 70th Scientific Session. Orlando, FL. June 25-29, 2010.
4. **McIntosh M,** Kalynych C, Vukich C, Lott M, Lerman RH. Racial differences in fasting lipids: low levels of triglycerides in overweight and obese non Hispanic black women. Experimental Biology 2010 Conference. Anaheim, CA, April 25, 2010.
5. **McIntosh M,** Lerman RH, Kalynych C, Vukich C, Fernandez ML, Harris WS. Effects of a Mediterranean-style, low glycemic load diet on RBC omega-3 index and fatty acid profile in women with metabolic syndrome. Experimental Biology 2010 Conference. Anaheim, CA. April 26, 2010.

6. Andersen C, Jones J, Barona J, Calle M, Lerman RH, **McIntosh M**, Kalynych C, Vukich C, Volek JS, Fernandez ML. A Mediterranean-style low glycemic diet decreases inflammation and insulin resistance in subjects classified with the metabolic syndrome. Experimental Biology 2010 Conference. Anaheim, CA, April 26, 2010.
7. Zeretzke C, **McIntosh M**, Wylie T, Kalynych C, Wood D. Impact of an immunization registry program on children aged 6-24 month who present to the ED with fever without a source. Fifth Mediterranean Emergency Medicine Congress. Valencia, Spain. September 14-17, 2009.
8. Ackermann D, Jones J, Comperatore M, Volek JS, **McIntosh M**, Kalynych C, Vukich C, Lott M, & Fernandez ML. (2009). Correlation between dietary intake and parameters of the metabolic syndrome in women. The FASEB Journal, 23(1\_MeetingAbstracts), 550.8.
9. Konzelman J, **McIntosh M**, Wylie T, Kalynych C. *Advancing the Treatment and stabilization of dental trauma by the emergency physician Utilizing "just in time" training.* SAEM , Washington DC. May 2008
10. Mariam Ejaz MD, Colleen Kalynych MSH, Vanessa Wright MD, Tricia Falgiani MD, Maya Balakrishnan MD, Alison Dekle BS , **Mark McIntosh MD** *Prevalence of Traumatic and Atraumatic Dental Emergencies in the Pediatric ED Advances in Medical Education* University of Florida Health Science Center, Jacksonville, Florida April 2008
11. Williams J, **McIntosh M**, Williams B. *Community Hospice and the Emergency Department, Advances in Medical Education*, FMA
12. **Mark McIntosh MD**, Elizabeth Fihe MD, Colleen Kalynych MSH, Moshen Akhlaghi MD, Todd Wylie MD. *Addressing ACGME Core Competencies: An International Emergency Medicine Template.* Florida Medical Association, August 2007

Other

• **Article:** [Reduced use of occult bacteremia blood screens by emergency medicine physicians using immunization registry for children presenting with fever without a source.](#)

[Cristina M Zeretzke](#), [Mark S McIntosh](#), [Colleen J Kalynych](#), [Todd Wylie](#), [Michelle Lott](#), [David Wood](#)

[\[show abstract\]](#)

Pediatric emergency care 06/2012; 28(7):640-5. · 0.92 Impact Factor

**[Article: \*The curriculum development process for an international emergency medicine rotation.\*](#)**

Mark McIntosh, [Colleen Kalynych](#), [Elizabeth Devos](#), [Mohsen Akhlaghi](#), [Todd Wylie](#)  
[\[show abstract\]](#)

Teaching and Learning in Medicine 01/2012; 24(1):71-80. · 0.75 Impact Factor

**[Article: \*A Mediterranean-style, low-glycemic-load diet decreases atherogenic lipoproteins and reduces lipoprotein \(a\) and oxidized low-density lipoprotein in women with metabolic syndrome.\*](#)**

[Jennifer L Jones](#), [Michael Comperatore](#), [Jacqueline Barona](#), [Mariana C Calle](#), [Catherine Andersen](#), [Mark McIntosh](#), [Wadie Najm](#), [Robert H Lerman](#), [Maria Luz Fernandez](#)  
[\[show abstract\]](#)

Metabolism: clinical and experimental 09/2011; 61(3):366-72. · 2.59 Impact Factor

**[Article: \*A Mediterranean Low-Glycemic-Load Diet alone or in Combination with a Medical Food Improves Insulin Sensitivity and Reduces Inflammation in Women with Metabolic Syndrome\*](#)**

[Jennifer L. Jones](#), [Daniela Ackermann](#), [Jacqueline Barona](#), [Mariana Calle](#), [Catherine Andersen](#), [Jung Eun Kim](#), [Jeff S. Volek](#), [Mark McIntosh](#), [Wadie Najm](#), [Robert H. Lerman](#), [Maria Luz Fernandez](#)

British Journal of Medicine & Medical Research. 08/2011; 1(4):356-370.

**[Article: \*Waist circumference is positively correlated with markers of inflammation and negatively with adiponectin in women with metabolic syndrome.\*](#)**

[Daniela Ackermann](#), [Jennifer Jones](#), [Jacqueline Barona](#), [Mariana C Calle](#), [Jung Eun Kim](#), [Branden LaPia](#), [Jeff S Volek](#), [Mark McIntosh](#), [Colleen Kalynych](#), [Wadie Najm](#), [Robert H Lerman](#), [Maria Luz Fernandez](#)  
[\[show abstract\]](#)

Nutrition research (New York, N.Y.) 03/2011; 31(3):197-204. · 1.20 Impact Factor

**[Article: \*A Mediterranean-style low-glycemic-load diet improves variables of metabolic syndrome in women, and addition of a phytochemical-rich medical food enhances benefits on lipoprotein metabolism.\*](#)**

[Jennifer L Jones](#), [Maria Luz Fernandez](#), [Mark S McIntosh](#), [Wadie Najm](#), [Mariana C Calle](#), [Colleen Kalynych](#), [Clare Vukich](#), [Jacqueline Barona](#), [Daniela Ackermann](#), [Jung Eun Kim](#), [Vivek Kumar](#), [Michelle Lott](#), [Jeff S Volek](#), [Robert H Lerman](#)  
[\[show abstract\]](#)

Journal of Clinical Lipidology 01/2011; 5(3):188-96. · 1.58 Impact Factor

**Article: [Correction of the Omega-3 Index in Women with Metabolic Syndrome by Adding Omega-3 Supplements to a Mediterranean Style Diet](#)**

[Robert Howard Lerman](#), [Larry Kaskel](#), Mark McIntosh, [Wadi Najm](#), [Maria Luz Fernandez](#), [Elizabeth Baruffi](#), [William Harris](#)  
Journal of Clinical Lipidology. 01/2011; 5(3):224.

**Article: [Low HDL cholesterol is associated with increased atherogenic lipoproteins and insulin resistance in women classified with metabolic syndrome.](#)**

[Maria Luz Fernandez](#), [Jennifer J Jones](#), [Daniela Ackerman](#), [Jacqueline Barona](#), [Mariana Calle](#), [Michael V Comperatore](#), [Jung-Eun Kim](#), [Catherine Andersen](#), [Jose O Leite](#), [Jeff S Volek](#), Mark McIntosh, [Colleen Kalynych](#), [Wadie Najm](#), [Robert H Lerman](#)  
[\[show abstract\]](#)  
Nutrition research and practice 12/2010; 4(6):492-8. · 1.08 Impact Factor

**Article: [Neonatal scalp abscess: is it a benign disease?](#)**

[Evan J Weiner](#), Mark S McIntosh, [Madeline Matar Joseph](#), [Nizar Maraqa](#), [Peter G Davis](#)  
[\[show abstract\]](#)  
Journal of Emergency Medicine 10/2009; 40(5):e97-101. · 1.31 Impact Factor

**Article: [Stabilization and treatment of dental avulsions and fractures by emergency physicians using just-in-time training.](#)**

Mark S McIntosh, [Jason Konzelmann](#), [Jeffrey Smith](#), [Colleen J Kalynych](#), [Robert L Wears](#), [Howard Schneider](#), [Todd Wylie](#), [Anne Kaminski](#), [Madeline Matar-Joseph](#)  
[\[show abstract\]](#)  
Annals of emergency medicine 09/2009; 54(4):585-92. · 4.23 Impact Factor