

Folafoluwa Olutobi ODETOLA
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University of Michigan
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EDUCATION

07/80-06/85 Moremi High School, Ile-Ife, Nigeria, High School diploma
09/85-06/86 College of Arts & Science, Ile-Ife, Nigeria, Post-High School
09/86-12/92 College of Health-Sciences, Obafemi Awolowo University, Ile-Ife,
Nigeria, MB.CHB Degree
07/01-08/04 University of North Carolina at Chapel Hill, Masters in Public Health
Degree

POSTDOCTORAL TRAINING

01/93-01/94 House officer, Obafemi Awolowo University Teaching Hospital
complex, Ilesha, Nigeria
02/94-06/95 Studied for USMLE, traveled to the United States, and took the
examinations
06/95-06/98 Pediatric Residency, Children's Hospital of New Jersey at Newark
Beth Israel Medical Center
07/98-06/01 Pediatric Critical Care Medicine Fellowship, University of Michigan
Medical Center
07/01-06/03 Robert Wood Johnson Fellowship, University of North Carolina at
Chapel Hill
07/03-06/05 Fellow, Health Services Research Fellowship, University of Michigan

CERTIFICATION AND LICENSURE

1994 Nigeria # FM 20911
1998 Diplomate, American Board of Pediatrics - # 065318
1998 Michigan # 4301072481
2001 North Carolina # 200101256
2002 Diplomate, American Board of Pediatrics, Pediatric Critical Care
Medicine sub-board - # 1091
2005 Diplomate, American Board of Pediatrics - Recertification

ACADEMIC APPOINTMENTS

- 07/01-06/03 Clinical Instructor, Department of Pediatrics, University of North Carolina Hospitals, Chapel Hill, NC
07/03-08/06 Clinical Instructor, Department of Pediatrics, University of Michigan
09/06-Present Assistant Professor, Department of Pediatrics, University of Michigan

CLINICAL/HOSPITAL APPOINTMENTS

- 07/01-06/03 Attending staff physician, University of North Carolina Hospitals, Chapel Hill, NC
07/03-present Attending staff physician, University of Michigan Health System

RESEARCH INTERESTS

1. **Structure of critical care health delivery:** The organizational and resource factors that influence clinical practice in the PICU
2. **Processes of health care delivery in the PICU:** The use of human and material resources (including health technology assessment) within the PICU and the influence on outcomes
3. **Outcomes of Pediatric Critical Care:** Assessment of the end-result of the care provided in the PICU and the factors associated with such outcomes

GRANTS

1. **Michigan Mentored Clinical Scholars Program**
Sponsor: Health and Human Services, Department of National Institutes of Health
Sponsor No.: 5 K12 RR017607-04
Project Period: 10/01/2006 - 09/30/2007
Project Title: Transfer of Children to Level I Pediatric Intensive Care Units.
2. **K23 Mentored Career Development Award in Patient-Oriented Research**
Sponsor: National Institute for Child Health and Human Development - National Institutes of Health
Sponsor No.: 1K23HD054526-01A1
Project Period: 09/25/2007 - 08/31/2010
Project Title: Transfer of Children to Level I Pediatric Intensive Care Units.

HONORS AND AWARDS

- 1985 Academic Honors, Moremi High School, Ile-Ife, Nigeria.
- 1991 Certificate of Merit "Journal club", of the medical student's association, Obafemi Awolowo University Ile-Ife, Nigeria.
- 1993 Best house officer (intern), Wesley Guild Hospital, Ilesha, Nigeria. Awarded by the association of resident doctors, and the hospital management.
- 1997 Best second year pediatric resident, Children's Hospital of New Jersey
- 1998 Resident of the year in pediatrics, Children's Hospital of New Jersey.
- 2001-2003 Robert Wood Johnson Clinical Scholar, University of North Carolina at Chapel Hill
- 2004 2004 Educational Scholarship award from the Society of Critical Care Medicine for abstract titled "Pediatric Intensive Care Units and childhood mortality due to trauma: An ecologic study."
- 2005 Clinical investigation/health services faculty award at the 16th annual University of Michigan pediatric symposium for abstract titled "Variation of outcomes according to the source of admission to the Pediatric Intensive Care Unit."
- 2008 Selected one of the top resident teachers in the University of Michigan Department of Pediatrics, 2007-2008.
- 2009 Selected one of the top resident teachers in the Department of Pediatrics, 2008-2009.

MEMBERSHIPS AND OFFICES IN PROFESSIONAL SOCIETIES

African Network for the Prevention of Child Abuse and Neglect
 American Academy of Pediatrics; Sections on Critical Care, International Health, Child Abuse and Neglect
 Society of Critical Care Medicine
 Fellow of the American Academy of Pediatrics

EDITORIAL POSITIONS, BOARDS, AND PEER-REVIEW SERVICE

Reviewer, Pediatrics
 Reviewer, Canadian Medical Association Journal
 Reviewer, Critical Care Medicine
 Reviewer, Journal of Pediatrics
 Reviewer, Pediatric Critical Care Medicine
 Reviewer, Intensive Care Medicine
 Adhoc Reviewer, New England Journal of Medicine
 Adhoc Reviewer, Journal of the National Medical Association

TEACHING ACTIVITIES

Lectures given monthly to residents and fellows during their rotation in the pediatric intensive care unit. Titles include:

1. Airway management in the pediatric intensive care unit
2. Functional outcomes of survivors of pediatric intensive care
3. Oxygen transport
4. Antibiotic use in the PICU
5. The use of neuromuscular blocking agents in the PICU
6. Biostatistics- Lecture given to critical care medicine fellows and faculty

Attending Physician in the Pediatric intensive care unit

In-patient consultant to the trauma-burn intensive care unit for children 0-14 years

COMMITTEE, ORGANIZATIONAL, AND VOLUNTEER SERVICE

Institutional

1. Member, pediatric clinical research committee of the Michigan Clinical and Translation award pediatric research program.
2. Member, health disparities research program of the Michigan Clinical and Translation award.
3. Lead, pediatric critical care sub-committee to evaluate readmissions to the PICU.

VISITING PROFESSORSHIPS, SEMINARS, AND EXTRAMURAL INVITED PRESENTATIONS

Intramural presentations:

11/01/2005: **Children's Health Research Seminar:** Improving the delivery of care to critically ill and injured children through Health Services Research.

04/04/2006: **Children's Health Research Seminar:** Going back for more: Evaluation of the outcomes associated with readmission to the pediatric intensive care unit.

09/08/2006: **NACHRI-VIRTUAL PICU Meeting:** Characteristics and Outcomes associated with Inter-hospital PICU transfer.

01/09/2007: **Children's Health Research Seminar:** Unraveling the maze: Interhospital transfer of critically ill children.

03/07/2007: **Clinical Scholars' Program Research Seminar:** Improving the delivery of care to critically ill and injured children through health services research.

09/26/2007: **Joint Pediatric Critical Care Medicine-Emergency Medicine Conference:** Caring for children in the event of a mass disaster.

B. Extramural Presentations:

02/23/2006: Moderator of research presentation session, **16th Annual Pediatric Critical Care Colloquium**, Salt Lake City, UT

11/30/2007: **Transfer of Children to Level I Pediatric intensive care units**
Bronson Methodist Hospital, Kalamazoo, MI

12/10/2007: **Transfer of Children to Level I Pediatric intensive care units**
William Beaumont Hospital, Royal Oak, MI

1/16/2008: **Transfer of Children to Level I Pediatric intensive care units**
Hurley Medical Center, Flint, MI

1/22/2008: **Transfer of Children to Level I Pediatric intensive care units**
Covenant Hospital, Saginaw, MI

BIBLIOGRAPHY

Peer- Reviewed Publications

1. **Odetola FO**, Bhatt-Mehta V, Zahraa J, Moler FW, Custer JR. Cisatracurium infusion in infants 0-2 years in a pediatric intensive care unit: A dose-finding study. *Pediatr Crit Care Med* 2002;3:250-54.
2. Meyer RJ, Moler FW, Maxvold NJ, Annich GM, **Odetola FO**, Sadowski R, Custer JR. Pediatric extracorporeal life support after high frequency ventilation: Predictors of survival. *ASAIO J* 2002;48:472-75.
3. **Odetola FO**, Moler FW, Dechert R, VanDerElzen K, Chenoweth C. Nosocomial catheter-related bloodstream infections in a PICU: Risk and rates associated with various intravascular technologies. *Pediatr Crit Care Med* 2003;4:432-36.
4. **Odetola FO**, Bratton SL. Characteristics and immediate outcome of childhood meningitis treated in the pediatric intensive care unit. *Intensive care med* 2005; 31:92-97.
5. **Odetola FO**, Clark SJ, Freed GL, Bratton SL, Davis MM. A national survey of pediatric critical care resources in the United States. *Pediatrics* 2005;115:e382-e386.
6. **Odetola FO**, Miller WC, Davis MM, Bratton SL. The relationship between the location of pediatric intensive care unit facilities and child death from trauma: A county-level ecologic study. *J Pediatr* 2005;147:74-77.
7. Bratton SL, **Odetola FO**, McCollegan J, Cabana MD, Levy FH, Keenan HT: Regional variation in ICU care for pediatric patients with asthma. *J Pediatr* 2005; 147:355-61.
8. **Odetola FO**, Clark SJ, Davis MM: Growth, development and failure to thrive: Factors that underlie the availability of pediatric critical care facilities in the United States. *Pediatr Crit Care Med* 2006;7:70-73.
9. **Odetola FO**, Tilford JM, Davis MM: Variation in the use of intracranial-pressure monitoring and mortality in critically ill children with meningitis in the United States. *Pediatrics* 2006;117: 1893-1900.

10. **Odetola FO**, Dechert R, VanDerElzen K, Chenoweth C, Moler FW. Antimicrobial-impregnated catheters for reducing nosocomial catheter-associated blood stream infections in the pediatric intensive care unit. *Clin Intensive Care* 2006; 17:33-40.
11. **Odetola FO**, Shanley TP, Gurney JG, Clark SJ, Dechert RE, Freed GL, Davis MM. Characteristics and outcomes of interhospital transfers from level II to level I pediatric intensive care units. *Pediatr Crit Care Med* 2006;7:536-40.
12. **Odetola FO**, Gebremariam A, Freed GL. Patient and hospital correlates of clinical outcomes and resource-utilization in severe pediatric sepsis. *Pediatrics* 2007;119: 487-94.
13. **Odetola FO**, Clark SJ, Dechert RE, Shanley TP. Going back for more: An evaluation of clinical outcomes and characteristics of readmissions to a pediatric intensive care unit. *Pediatr Crit Care Med* 2007; 8:343-47.
14. **Odetola FO**, Rosenberg AL, Davis MM, Clark SJ, Dechert RE, Shanley TP. Do outcomes vary according to the source of admission to the pediatric intensive care unit? *Pediatr Crit Care Med* 2008; 9:20-25.
15. Kanter RK, Andrade JS, Boeing NM, Callahan J, Cooper A, Lopez-Dwyer CA, Marcin JP, **Odetola FO**, Ryan AE, Terndrup TE, Tobin JR. A method for developing consensus on appropriate standards of disaster care for children. *Disaster Med Public Health Preparedness* 2009; 3:27-32
16. **Odetola FO**, Davis MM, Cohn LM, Clark SJ. Interhospital transfer of critically ill and injured children: an evaluation of transfer patterns, resource utilization, and clinical outcomes. *J Hosp Med* 2009; 4:164-70.
17. **Odetola FO**, Clark SJ, Gurney JG, Dechert RE, Shanley TP, Freed GL. Effect of interhospital transfer on resource utilization and outcomes at a tertiary pediatric intensive care unit. *J Crit Care* 2009; 24(3):379-86.
18. **Odetola FO**. Assessing the functional status of hospitalized children. *Pediatrics* 2009; 124 e163-e165.

Articles accepted for publication

1. **Odetola FO**, Gebremariam A, Davis MM. Comorbid Illnesses among Critically Ill Children: Hospital Resource Use and Mortality, 1994-2006.

Articles submitted for peer review

1. **Odetola FO**, Mann NC, Hansen K, Patrick S, Bratton SL. The Golden Hour: Determinants of Time to Arrival at a Regional Pediatric Trauma Center. *Journal of Trauma*
2. **Odetola FO**, Mann NC, Hansen K, Patrick S, Bratton SL. To Scoop-and-Run or Stay-and-Play: Effect of Source of Admission on Outcomes for Critically Injured Children in the Mountain States. *Archives of Pediatrics & Adolescent Medicine*

Abstracts

1. **Odetola FO**, Bhatt-Mehta V, Moler FW, Custer JR, Zahraa J: Cisatracurium infusion in infants 0-2 years in a Pediatric intensive care unit (PICU): A dose-finding study. *Crit Care Med*. 1999; 27: A134 (suppl.). Presented at the 29th International Educational and Scientific Symposium of the Society for Critical Care Medicine, February 2000.
2. Meyer RJ, Moler FW, Maxvold NJ, Annich GM, **Odetola FO**, Custer JR: ECMO following High frequency ventilation: Predictors of survival. *Clinical Intensive care* 1999; 10(4).
3. **Odetola FO**, Moler FW, Dechert R, VanDerElzen K, Chenoweth C: Nosocomial catheter-related Bloodstream infections in the PICU: A comparison of risks for, and rates of bloodstream infection associated with central venous catheters, renal replacement therapy catheters and ECMO cannulae. Presented at the 30th International Educational and Scientific Symposium of the Society for Critical Care Medicine, February 2001. *Crit Care Med* 2000; 28:A42 (suppl).
4. **Odetola FO**: Immediate outcome of meningitis in the Pediatric Intensive Care Unit. 14th Annual Pediatric Critical Care Colloquium, October 2002.
5. **Odetola FO**: The location of Pediatric intensive care facilities and childhood trauma mortality. University of Michigan's 14th annual pediatric research symposium. October 2003.
6. **Odetola FO**, Bratton S L, Davis M M: Immediate outcome of meningitis in the Pediatric Intensive Care Unit. University of Michigan's 14th annual pediatric research symposium. October 2003.
7. **Odetola FO**, Davis MM, Renski H, Miller W, Bratton SL: Pediatric intensive care units and childhood mortality due to trauma: An ecologic study. Presented at the 33rd International Educational and Scientific Symposium of the Society for Critical Care Medicine, February 2004. *Crit Care Med* 2003; 31:A18 (suppl).
8. **Odetola FO**, Davis MM, Renski H, Miller W, Bratton SL: The presence of Pediatric Intensive care facilities and childhood mortality: An ecologic study. Presented at the 33rd International Educational and Scientific Symposium of the Society for Critical Care Medicine, February 2004. *Crit Care Med* 2003; 31:A77 (suppl).
9. **Odetola FO**, Tilford JM, Davis MM: Utilization of Intracranial Pressure Monitors in Critically Ill Children with Meningitis. Pediatric Academic Societies' Annual Meeting, May 2004.
10. **Odetola FO**, Tilford JM, Davis MM: Utilization of Intracranial Pressure Monitors in Critically Ill Children with Meningitis. AcademyHealth Annual Meeting, June 2004.
11. **Odetola FO**, Tilford JM, Davis MM: Utilization of Intracranial Pressure Monitors in Critically Ill Children with Meningitis. University of Michigan's 15th annual pediatric research symposium. September 2004.
12. **Odetola FO**, Clark SJ, Freed GL, Bratton SL, Davis MM: Distribution of pediatric critical care resources in the United States. University of Michigan's 15th annual pediatric research symposium. September 2004.
13. Bratton SL, **Odetola FO**, McCollegan J, Levy FH: Variation in practice for severe asthma. 15th annual pediatric critical care colloquium. Presented at the 15th annual pediatric critical care colloquium. September 2004. *Pediatr Crit Care Med* 2005;6:107.
14. **Odetola FO**, Clark SJ, Bratton SL, Davis MM: Do children share critical care resources with adults? A descriptive analysis. 15th annual pediatric critical care colloquium. September 2004.

15. **Odetola FO**, Clark SJ, Bratton SL, Davis MM: Availability of advanced therapeutic modalities in US PICUs. 15th annual pediatric critical care colloquium. September 2004.
16. **Odetola FO**, Clark SJ, Bratton SL, Davis MM: Factors that drive the distribution of pediatric critical care services. 15th annual pediatric critical care colloquium. September 2004.
17. **Odetola FO**, Clark SJ, Bratton SL, Davis MM: Do children share critical care resources with adults? A descriptive analysis. Presented at the 34th International Educational and Scientific Symposium of the Society for Critical Care Medicine, January 2005. *Crit Care Med* 2004; 32:A86 (suppl).
18. **Odetola FO**, Clark SJ, Bratton SL, Davis MM: Availability of advanced therapeutic modalities in US PICUs. *Crit Care Med* 2004; 32:A86 (suppl). Presented at the 34th International Educational and Scientific Symposium of the Society for Critical Care Medicine, January 2005.
19. **Odetola FO**, Clark SJ, Bratton SL, Davis MM: Factors that drive the distribution of pediatric critical care services. *Crit Care Med* 2004; 32:A88 (suppl). Presented at the 34th International Educational and Scientific Symposium of the Society for Critical Care Medicine, January 2005.
20. **Odetola FO**, Moler FW, Dechert R, VanDerElzen K, Chenoweth C: Effectiveness of antimicrobial impregnated catheters in reducing the incidence of nosocomial catheter-related blood stream infections in the pediatric intensive care unit. *Crit Care Med* 2004; 32:A162 (suppl). Presented at the 34th International Educational and Scientific Symposium of the Society for Critical Care Medicine, January 2005.
21. **Odetola FO**, Davis MM, Clark SJ, Dechert RE, Shanley TP. Variation of outcomes according to the source of admission to the Pediatric Intensive Care Unit. *Crit Care Med* 2005; 33:A94 (suppl). Presented at the University of Michigan 15th annual pediatric research symposium, November 2005, and at the 35th International Educational and Scientific Symposium of the Society for Critical Care Medicine, January 2006.
22. **Odetola FO**, Gurney JG, Davis MM, Clark SJ, Freed GL, Shanley TP. Characteristics of inter-ICU transfers to a tertiary pediatric intensive care unit. *Crit Care Med* 2005; 33:A95 (suppl). Presented at the 35th International Educational and Scientific Symposium of the Society for Critical Care Medicine, January 2006.
23. **Odetola FO**, Gurney JG, Davis MM, Clark SJ, Shanley TP, Freed GL. Characteristics and outcomes of inter-hospital transfers from Level II to Level I PICUs. *Crit Care Med* 2005; 33:A96 (suppl). Presented at the 35th International Educational and Scientific Symposium of the Society for Critical Care Medicine, January 2006.
24. **Odetola FO**, Gurney JG, Davis MM, Clark SJ, Shanley TP, Freed GL. Characteristics and outcomes of inter-hospital transfers from Level II to Level I PICUs. *Pediatr Crit Care Med* 2006; 7: 513; Presented at the 16th Pediatric Critical Care Colloquium, February 2006.
25. **Odetola FO**, Clark SJ, Dechert RE, Shanley TP. An evaluation of clinical outcomes associated with readmissions to a pediatric intensive care unit. University of Michigan's 17th annual pediatric research symposium. November 2006.
26. **Odetola FO**, Gebremariam A, Freed GL. Patient and Hospital Correlates of Clinical Outcomes and Resource Utilization in Severe Pediatric Sepsis.

- University of Michigan's 17th annual pediatric research symposium. November 2006.
27. Kanter R, Andrade J, Boeing N, Callahan J, Cooper A, Lopez-Dwyer C, Marcin , **Odetola F**, Ryan A, Terndrup T, Tobin J. Professional consensus on altered standards of hospital care in disaster surges. *Acad Emerg Med* 2007; 14 (5 Suppl 1):S190-1.
 28. **Odetola FO**, Clark SJ, Dechert RE, Shanley TP. Outcomes and characteristics of readmissions to pediatric intensive care. Pediatric Academic Societies' Annual Meeting, May 2007.
 29. **Odetola FO**, Davis MM, Cohn L, Clark SJ. Characteristics and outcomes of interhospital transfer of critically ill children. *Pediatr Crit Care Med* 2007; 8: A190 (Suppl).
 30. **Odetola FO**, Davis MM, Cohn L, Clark SJ. Interhospital transfer of critically ill children: An evaluation of clinical outcomes and resource utilization. *Pediatr Crit Care Med* 2007; 8: A116 (Suppl).
 31. **Odetola FO**, Clark SJ, Dechert RE, Shanley TP. Clinical outcomes and characteristics of readmissions to a pediatric intensive care unit. *Pediatr Crit Care Med* 2007; 8: A 249 (Suppl).
 32. **Odetola FO**, Clark SJ, Gurney JG, Dechert RE, Shanley TP, Freed GL. The effect of interhospital transfer on outcomes and resource use at a tertiary pediatric intensive care unit. Life Sciences Symposium, October 2007.
 33. **Odetola FO**, Clark SJ, Gurney JG, Dechert RE, Shanley TP, Freed GL. The effect of interhospital transfer on outcomes and resource use at a tertiary pediatric intensive care unit. 18TH Annual pediatric research symposium, November 2007.
 34. **Odetola FO**, Davis MM, Cohn L, Clark SJ. Characteristics and outcomes of interhospital transfer of critically ill children. 18th Annual pediatric research symposium, November 2007.
 35. **Odetola FO**, Gebremariam A, Davis MM. The Association of Coexisting Comorbid Illness with Increased Hospital Resource Use and Mortality among Critically Ill Children, 1994 vs 2004. *Crit Care Med* 2008; 36:A87 (suppl). Presented at the Pediatric Academic Societies' Annual Meeting, May 2008; the University of Michigan's 19th Annual pediatric research symposium, November 2008, and the 38th International Educational and Scientific Symposium of the Society for Critical Care Medicine, January 2009.
 36. El-Wiher N, McCaskey D, Igielski D, Han Y, **Odetola F**, Annich GM. ECLS for severe respiratory failure in confirmed pertussis-Survival in a high mortality group. 19th Annual ELSO Conference, September 2008.
 37. **Odetola FO**, Mann NC, Hansen K, Patrick S, Bratton SL. Effect of Source of Admission on Outcomes for Critically Injured Children: Evaluation of a Pediatric Trauma Center Registry. *Crit Care Med* 2008; 36:A80 (suppl). Presented at the 19th Annual pediatric research symposium, November 2008, the 38th International Educational and Scientific Symposium of the Society for Critical Care Medicine, January 2009, and the Pediatric Academic Societies Meeting, May 2009.
 38. **Odetola FO**, Mann NC, Hansen K, Patrick S, Bratton SL. The golden hour and outcomes at a pediatric trauma center. Presented at the Pediatric Academic Societies Meeting, May 2009.