

AHAMED H. IDRIS, M.D. FACEP, FAHA

ADDRESS:

Department of Emergency Medicine  
UT Southwestern Medical Center  
5323 Harry Hines Blvd.  
Dallas, Texas 75390-8579

Work: (214) 648-4812

Fax: (214) 378-6688

e-mail: [ahamed.idris@utsouthwestern.edu](mailto:ahamed.idris@utsouthwestern.edu), [aidris@sbcglobal.net](mailto:aidris@sbcglobal.net)

CURRENT POSITION:

Professor of Emergency Medicine and Internal Medicine  
Department of Emergency Medicine  
University of Texas Southwestern Medical Center,  
Dallas.

Director, Emergency Medicine Research and  
The Dallas – Fort Worth Center for Resuscitation Research

Senior Attending Physician, Parkland Memorial Hospital, Dallas

NASA Medical Consultant

Adjunct Professor of Anesthesiology, Univ. of Florida, Gainesville

PRIOR POSITION:

Professor of Emergency Medicine, Anesthesiology,  
and Medicine

Department of Emergency Medicine.  
University of Florida College of Medicine,  
Gainesville, Florida.

Director of Emergency Medicine Research  
Director, NASA Human Space Flight Rescue Team

American Heart Association  
National Emergency Cardiovascular Care Committee and  
Past Chair, National Basic Life Support Subcommittee

## BRIEF DESCRIPTION OF JOB DUTIES

Ahamed Idris began his career as a combat medic with the US Army. He was awarded the Bronze Star Medal for his service with the 1<sup>st</sup> Air Cavalry in Vietnam from 1969 to 1970.

Dr. Idris has been a tenured Professor of Surgery and Internal Medicine at UTSW since 2003 and is active in the clinical practice of emergency medicine at Parkland Memorial Hospital where he attends patients and instructs medical students and residents in emergency medicine and internal medicine.

He is Director of Emergency Medicine Research in the Division of Emergency Medicine; he assists medical students, fellows, and faculty with research project design and development and provides access to laboratory space and equipment. He also assists with development of grant proposals.

He is a Past National Chair of Basic Life Support for the American Heart Association and a member of the National Emergency Cardiovascular Care Committee. He is a consultant to the National Institutes of Health Cardiovascular Special Emphasis Panel and the PULSE group, and an inaugural Fellow of the American Heart Association's Council on Cardiopulmonary and Critical Care and a Fellow of the American Heart Association. He is a member of the Integrated Research Team (IRT) Steering Committee for Advanced Capabilities for Combat Medics, US Army Medical Research and Materiel Command.

Dr. Idris served as the Director of the NASA Human Space Flight Rescue Team for the Space Shuttle and continues to serve as a consultant. He was inducted into the NASA Space Technology Hall of Fame in 2008 for work he did that led to the impedance threshold device becoming an important medical device for treatment of astronauts suffering acute hypotension and autonomic dysfunction. It is now on-board the International Space Station.

Dr. Idris is the Director of the Dallas-Fort Worth Center for Resuscitation Research sponsored by the National Institutes of Health, the most productive organization in the North American Resuscitation Outcomes Consortium.

## AREAS OF SPECIALIZATION

Ischemia and reperfusion in shock and cardiac arrest

Acid-base balance in low blood flow states

Ventilation during low blood flow states

Treatment of emergency asthma

Development of guidelines for cardiovascular emergencies.

## EDUCATION:

Brooke Army Medical Center, Clinical Specialist Program, US ARMY, 1967-1969

Northwestern University, Evanston. Biology, 1972-1975

Rush Medical College, Chicago; 1975-1979

Cook County Hospital, Chicago; Residency in Internal Medicine, 1979-1982

Cook County Hospital, Chicago; Chief Resident, Department of Medicine, 1982-1983

NASA/Department of Defense Space Operations Medical Support Training Course, Patrick Air Force Base, Florida, 1998

## EMPLOYMENT:

U.S. Army Medical Corps, Non-commissioned Officer, 1967 – 1971.

1<sup>st</sup> Air Cavalry, US Army, Republic of Vietnam, 1969 – 1970.

46<sup>th</sup> MASH (Mobil Army Surgical Hospital), Fort Devens, US Army, 1970 – 1971.

Department of Medicine and the Division of Adult Emergency Services, Cook County Hospital, Chicago. Attending Physician, 1983-1986.

Clinical Instructor of Medicine, 1985-1986, Department of Medicine, College of Medicine, University of Illinois, Chicago.

Assistant Professor, 1986-1994, Department of Surgery, Division of Emergency Medicine, and the Department of Medicine, University of Florida, College of Medicine.

Associate Professor, 1994-1998, Department of Surgery, Division of Emergency Medicine, and the Department of Medicine, University of Florida, College of Medicine.

Associate Professor, 1996-1998, Department of Anesthesiology, College of Medicine, University of Florida.

Professor, 1998 - 2003, Department of Emergency Medicine, Department of Anesthesiology, and the Department of Medicine, College of Medicine, University of Florida.

Attending Physician, Shands Teaching Hospital, Gainesville, Florida, 1986-2003

Attending Physician, Veterans Administration Medical Center, Gainesville, Florida, 1986-1992

Shuttle Flight Physician, National Aeronautics and Space Administration, Kennedy Space Center, 1988-2003

Acting Director, Shuttle Medical Support Program, National Aeronautics and Space Administration, Kennedy Space Center, 1994-1995

Director, Shuttle Flight Physician Program, National Aeronautics and Space Administration, Kennedy Space Center, 1995-2003

Associate Chief, 1997 – 1998, Division of Emergency Medicine, University of Florida College of Medicine.

Director of Emergency Medicine Research, 1994 – 2003. Department of Emergency Medicine, University of Florida College of Medicine.

Director, Chest Pain Program, Shands at the University of Florida, 1996 – 2003

Clinical Professor, Department of Anesthesiology, College of Medicine, University of Florida., 2003 – present.

Professor of Surgery (Emergency Medicine), University of Texas Southwestern Medical Center, Dallas, 2003 – present.

Senior Attending Physician, Parkland Memorial Hospital, Dallas, Texas, 2003-Present

Director of Research, Dept. of Surgery (Emergency Medicine), University of Texas Southwestern Medical Center, Dallas, 2003 – present.

Medical Consultant, National Aeronautics and Space Administration, 2003 – present.

#### BOARD CERTIFICATION

National Board of Medical Examiners, 1980

American Board of Internal Medicine, 1984

American Board of Emergency Medicine, 1988, Recertified 1998 and 2008

NASA Flight Surgeon Certificate. 1998

YEAR TENURE AWARDED BY UNIVERSITY OF FLORIDA  
YEAR TENURE AWARDED BY UNIVERSITY OF TEXAS

July 1, 1992  
May 1, 2003

## HONORS:

2013 EMS 10 Award for Innovative Thinking in EMS. Awarded February 2014.

Inducted into the Space Technology Hall of Fame 2008

Best Abstract Award (Trauma), Resuscitation Science Symposium, American Heart Association Annual Scientific Sessions, Chicago, November 2006.

Top 10 Studies presented at the Annual meeting of the American Heart Association, New Orleans, Nov 2004.

Fellow, American Heart Association, Elected 2003

Fellow, Cardiopulmonary and Critical Care Council, American Heart Association, Elected 2003

American Heart Association Outstanding Service Award, 2003

Society for Critical Care Medicine, Scientific Achievement Award, 2003

Society for Critical Care Medicine, Research Citation Award, 2003

Certificate of Appreciation in Recognition of Contributions to the American Heart Association Scientific Sessions, November 2002

Fellow, American College of Emergency Physicians, Elected 1989

Highest Academic Honors: Northwestern University, 1974 and 1975

Bronze Star Medal, U.S. Army, 1970

## TEACHING AND/OR INSTRUCTIONAL ACCOMPLISHMENTS:

Course Director, Social Issues in Urban Medicine. University of Illinois, College of Medicine, Champagne. 1984-1986.

Director of medical education and conferences, Division of Emergency Medicine, University of Florida College of Medicine, 1986-1995.

Program chairman, annual scientific meeting, Florida chapter, American College of Emergency Physician's, 1989,1990.

Member, education committee, Florida chapter, American College of Emergency Physician's. 1988-1991.

Preceptor, International exchange medical student research, University of Florida College of Medicine, 1992-2003.

Graduate research professor, University of Florida College of Medicine, 1993.

Certified instructor of advanced cardiac life support, 1986 - present.

Certified instructor of advanced trauma life support, 1987 - 1994.

Co-director, Emergency procedures laboratory for emergency medicine residents and fellows, 1995 - present

Certified instructor of Basic Life Support, 2000 – present.

Certified provider of Advanced Trauma Life Support, 2002 – present.

Medical Student Mentor, Emmett J. Conrad Research Fellowship, University of Texas Southwestern Medical Center, 2003 – present.

Faculty, Emergency Medicine Basic Research Skills Course. American College of Emergency Physicians, Dallas, April 2008.

## **PUBLICATIONS:**

### **1. Books and Journals, edited.**

**Idris A**, Soven E, Vaughn M. *The World as a Company Town: Multinational corporations and social change.* Mouton Publishers, The Hague, London, Paris, 1978. 455 pages.

**Idris AH**, Becker LB, Callahan M. Proceedings of the second Chicago symposium on Advances in CPR research and guidelines for laboratory research. *Ann Emerg Med* 1996;27:539-594.

**Idris AH (Editor)**. Cardiopulmonary Resuscitation. *Current Opinion in Critical Care and Emergency Medicine* June 2005.

### **2. Books, Co-authored**

Hazinski MF and Cummins RO (eds) and the Emergency Cardiac Care Committee and Subcommittees of the American Heart Association (**Idris AH** member). 1996 Handbook of emergency cardiac care for healthcare providers. American Heart Association, Dallas, in collaboration with Mosby Lifeline, 1996.

Chandra NC, Hazinski MF (eds) and the Subcommittees on Basic Life Support (**Idris AH**, member) and Pediatric Resuscitation, and the Emergency Cardiac Care Committee. Basic life support for healthcare providers. American Heart Association, Dallas, 1997.

Chandra NC, Hazinski MF, Stapleton E (eds) and the Emergency Cardiac Care Committee and Subcommittees of the American Heart Association (**Idris AH** member). Instructor's manual: Basic life support. American Heart Association, Dallas, 1997.

Hazinski MF, Cummins RO (eds) and the Emergency Cardiovascular Care Committee and Subcommittees of the American Heart Association (**Idris AH** member). 1997-99 Handbook of emergency cardiovascular care for healthcare providers. American Heart Association, Dallas, 1997.

Hazinski MF, Cummins RO, Field J (eds) and the Emergency Cardiovascular Care Committee and Subcommittees of the American Heart Association (**Idris AH** Chair, Basic Life Support). 1999 Handbook of emergency cardiovascular care for healthcare providers. American Heart Association, Dallas, 1999.

**Idris AH**, contributor. Basic life support for healthcare providers. American Heart Association, Dallas, 2000.

**Idris AH**, contributor. Instructor's manual: Basic life support. American Heart Association, Dallas, 2000.

**Idris AH**, contributor. Advanced Cardiac Life Support. American Heart Association, Dallas, 2000.

**Idris AH**, contributor. Hazinski MF, Cummins RO, Field JM (eds) and the Emergency Cardiovascular Care Committee and Subcommittees of the American Heart Association (**Idris AH** Chair, BLS). 2000 Handbook of emergency cardiovascular care for healthcare providers. American Heart Association, Dallas, 2000.

**Idris AH**, contributor. Basic life support for healthcare providers. American Heart Association, Dallas, 2001.

**Idris AH**, contributor. Instructor's manual: Basic life support. American Heart Association, Dallas, 2001.

**Idris AH**, contributor. Advanced Cardiac Life Support. American Heart Association, Dallas, 2001.

**Idris AH**, contributor. Heartsaver CPR. American Heart Association, Dallas, 2001.

**Idris AH**, contributor. CPR for family and friends. American Heart Association, Dallas, 2001.

**Idris AH**, contributor. Instructor's manual: Basic life support. American Heart Association, Dallas, 2005.

**Idris AH**, contributor. Instructor's manual: Basic life support. American Heart Association, Dallas, 2010.

## 2. Books, contributor of chapters.

1. **Idris A**, Lonigro A, Reeks C, Turner T. The multinational corporation as a stage in the development of capitalism. Page 55-72. In: **Idris, A**, Soven E, Vaughn M, eds. *The World as a Company Town: Multinational corporations and social change*. Mouton Publishers, The Hague, London, Paris, 1978.
2. **Idris A**, Lonigro A, Reeks C, Turner T. New strategies for multinational corporations in the third world: Deltec in Brazil and Argentina. Page 221-252. In: **Idris, A**, Soven E, Vaughn M, eds. *The World as a Company Town: Multinational corporations and social change*. Mouton Publishers, The Hague, London, Paris, 1978.
3. **Idris A**, Soven E, Vaughan M. Introduction. Page 1-11. In: **Idris, A**, Soven E, Vaughn M, eds. *The World as a Company Town: Multinational corporations and social change*. Mouton Publishers, The Hague, London, Paris, 1978.
4. **Idris A**, Barkin D, Berdichewsky B, Collins J, Gedicks A, Huizer G, Vaughan M. Applied research on the multinational corporation: A symposium at the IXth international congress of anthropological and ethnological sciences. Page 143-174. In: **Idris, A**, Soven E, Vaughn M, eds. *The World as a Company Town: Multinational corporations and social change*. Mouton Publishers, The Hague, London, Paris, 1978.
5. **Idris A**. Annotated bibliography of the human health effects of dioxin. Page 49-74. In: *Agent Orange Dossier*, **Idris A**, Hogan M, O'Grady M, eds. University of Wisconsin Press, Milwaukee, 1983.
6. **Idris A**. Introduction to a selection of scientific articles concerning dioxin and human health. page 47-48. In: *Agent Orange Dossier*, **Idris A**, Hogan M, O'Grady M, eds. University of Wisconsin Press, Milwaukee, 1983.
7. Layon J, Warzynski M, **Idris A**. Acquired immunodeficiency syndrome in the United States: A selective review. In: *Selected Readings in General Surgery*, University of Texas Health Sciences Center, Dallas, 1988.
8. **Idris A**, Orban D. Low back pain. Page 165-72. In: Harwood-Nuss A, Linden C, Luten RC, et al, eds. *The clinical practice of emergency medicine*. J. B. Lippincott Co., Philadelphia, 1991.
9. **Idris A**, Orban D. Low back pain. Page 95-99. In: Harwood-Nuss A, Luten RC, eds. *The Handbook of emergency medicine*. J. B. Lippincott Co., Philadelphia, 1995.
10. **Idris AH**, Florete Jr. O, Melker RJ, Chandra NC. The physiology of ventilation, oxygenation, and carbon dioxide elimination during cardiac arrest. Page 382-419. In: Paradis NA, Halperin HR, Nowak RM (eds): Cardiac arrest: The science and practice of resuscitation medicine. Williams & Wilkins, Baltimore, 1996.



11. **Idris AH**, contributor. Part 1: Heartsaver AED. In: Aufderheide TP, Stapleton ER, Hazinski MF, Cummins RO (eds): *Heartsaver FACTS*. American Heart Association, Dallas, and Jones and Bartlett Publishers, Sudbury, 1999.
12. Gabrielli A, Layon AJ, Idris AH. The physiology of ventilation during low blood flow states. Page 39 – 94. In: Ornato JP, Peberdy MA (eds): Cardiopulmonary Resuscitation. Humana Press, Totowa, 2005.
13. Gabrielli A, Layon AJ, Idris AH. Prehospital ventilation strategies for traumatically injured patients. *Textbook of Neurotrauma*. Layon AJ, Gabrielli G, Friedman W. Saunders, 2004.
14. **Idris AH**, Gabrielli A. The physiology of ventilation during cardiac arrest and other low blood flow states. In: Paradis NA, Halperin HR, Kern K, et al. (eds): Cardiac arrest: The science and practice of resuscitation medicine. Cambridge University Press, Cambridge, New York, Melbourne, Madrid, 2007.
15. Roth R, Fowler R, Idris AH. Hypotension and shock. In: Wang (ed). *NAEMSP Textbook*, 2008.
16. Modell JH, Idris AH, Gabrielli A. Drowning. In: Civetta, Taylor, Kirby (eds). *Critical Care*, Lippincott, 2008.

### 3. Monographs

**Idris AH**. End-tidal carbon dioxide physiology and monitoring during resuscitation. *Anesthesiology Clinics of North America* 1995;13:785-798.

Wenzel V, **Idris AH**, Lindner KH. Ventilation with an unprotected airway: Smaller tidal volumes may be beneficial during cardiac arrest. Page 483-492. In: Vincent J-L (ed): *Yearbook of Intensive Care and Emergency Medicine* 1997, Springer, Berlin, 1997.

Wenzel V, **Idris AH**. The current status of ventilation strategies during cardiopulmonary resuscitation. *Current Opinion in Critical Care* 1997;3:206-213.

**Idris AH**, on behalf of the Research Working Group (Members: Aufderheide TP, Barnes TA, Berg RA, Mancini ME, Nadkarni V). Assessing a research article: The first step toward developing guidelines for emergency cardiovascular care. *Cardiopulmonary and Critical Care Newsletter* 1999;Fall:7-12.

**Idris AH**. Basic life support ventilation: Review of tidal volume for bag-valve-mask and mouth-to-mouth ventilation. *Cardiopulmonary and Critical Care Newsletter* 1999;Fall:13-17.

Wenzel V, **Idris AH**, Dörge V, Stallinger A, Gabrielli A, Lindner KH. Ventilation in the unprotected airway. *Baillière's Best Practice in Clinical Anesthesiology* 2000;14:511-526.

**Idris AH**, Gabrielli A. Advances in Airway Management. *Emergency Medicine Clinics of North America* 2002;20:843-857.

Gabrielli A, Layon AJ, Wenzel V, Dorges V, **Idris AH**. Alternative ventilation strategies in CPR. *Current Opinion in Critical Care* 2002;8(3):199-211.

Wigginton, JG, Idris AH, Pepe PE. Evolving Rationale for Minimally-Interrupted Chest Compressions during Cardiopulmonary Resuscitation. In: 2011 Yearbook of Intensive Care and Emergency Medicine. Vincent JL (ed) Springer-Verlag, Berlin Heidelberg 2011.

**Idris AH**. Chest compressions between 100–120/minute optimize successful resuscitation. *Journal of Emergency Medical Services* 2012;(Suppl EMS State of the Science September 2012):4-9.

#### 4. Refereed publications:

1. Layon AJ, **Idris AH**, Warzynski M, et al. T-Lymphocyte subsets in hospitalized intravenous drug abusers. *Arch Int Med*1984;144:1376-80.
2. Schiff RL, Ansell DA, Schlosser JE, **Idris AH**, Morrison A, Whitman S. Transfers to a Public Hospital: A Prospective Study of 467 Patients. *New England J Med* 1986;314:552-557.
3. Layon J, Warzynski M, **Idris A**. Acquired Immunodeficiency Syndrome in the United States: A Selective Review. *Crit Care Med* 1986;14:819-27.
4. **Idris A**, Melker RJ. High-flow sheaths for pediatric fluid resuscitation: A comparison of flow rates with standard pediatric catheters. *Pediatric Emergency Care* 1992;8:119-122.
5. **Idris AH**, McDermott M, Angel M, Raucci J, McGorray S, Hendeles L. Emergency department treatment of severe asthma: Metered-dose inhaler plus holding chamber is equivalent in effectiveness to nebulizer. *Chest* 1993;103:665-672.
6. **Idris AH**, Becker LB, Wenzel V, Fuerst R, Gravenstein N. Lack of uniform definitions and reporting in laboratory models of cardiac arrest: A review of the literature and a proposal for guidelines. *Annals of Emergency Medicine* 1994;23:9-16.
7. **Idris AH**, Staples E, O'Brien D, Melker RJ, Rush W, Del Duca KJ, Falk J. End-tidal carbon dioxide during extremely low cardiac output. *Annals of Emergency Medicine* 1994;23:568-572.
8. **Idris AH**, Staples E, O'Brien D, Melker RJ, Rush W, Del Duca KJ, Falk J. Effect of ventilation on acid-base balance and oxygenation during low blood flow states. *Critical Care Medicine* 1994;22:1827-1834.

9. Tucker KJ, Savitt MA, **Idris AH**, Redberg RF. Cardiopulmonary Resuscitation: Historical perspectives, physiology and future directions. *Archives of Internal Medicine* 1994;154:2141-2150.
10. Tucker KJ, Khan J, **Idris AH**, Savitt MA. The biphasic mechanism of blood flow during cardiopulmonary resuscitation: A physiologic comparison of active compression-decompression and high impulse manual external cardiac massage. *Annals of Emergency Medicine* 1994;24:895-906.
11. Tucker KJ, **Idris AH**. Clinical and laboratory investigations of active compression-decompression cardiopulmonary resuscitation. (Editorial) *Resuscitation* 1994;28:1-7.
12. Tucker KJ, **Idris AH**, Wenzel V, Orban DJ. Changes in arterial and mixed venous blood gases during untreated ventricular fibrillation and cardiopulmonary resuscitation. *Resuscitation* 1994;28:137-141.
13. **Idris AH**, Becker LB, Fuerst RS, Wenzel V, Rush WJ, Melker RJ, Orban DJ. Effect of ventilation on resuscitation in an animal model of cardiac arrest. *Circulation* 1994;90:3063-3069.
14. Wenzel V, **Idris AH**, Banner MJ, Fuerst RS, Tucker KJ. The Composition of Gas Given by Mouth-to-Mouth Ventilation During CPR. *Chest* 1994;106:1806-1810.
15. **Idris AH**, Banner MJ, Wenzel V, Fuerst RS, V, Becker LB, Melker RJ. Ventilation caused by external chest compression is unable to sustain effective gas exchange during CPR: a comparison with mechanical ventilation. *Resuscitation* 1994;28:143-150.
16. Wenzel V, Fuerst RS, **Idris AH**, Banner MJ, Rush WJ, Orban DJ. A model for studying mechanical active compression/decompression cardiopulmonary resuscitation. *Annals of Emergency Medicine* 1995;25:386-389.
17. **Idris AH**, Wenzel V, Becker L, Banner M, Orban D. Does hypercarbia or hypoxia independently affect resuscitation from cardiac arrest? *Chest* 1995;108:522-528.
18. **Idris AH**. Is mouth-to-mouth ventilation necessary for successful resuscitation? (Editorial) *Chest* 1995;108:1490-1491.
19. Tucker KJ, Larson JL, **Idris AH**, Curtis AB. Advanced cardiac life support: Update on recent guidelines and a look at the future. *Clin Cardiol* 1995;18:497-504.
20. **Idris AH**. Reassessing the Need for Ventilation During CPR *Ann Emerg Med* 1996;27:569-575.
21. Becker LB, **Idris AH**. The proceedings of the second Chicago symposium on advances in CPR research. *Ann Emerg Med* 1996;27:539-541.

22. Bircher N, Otto C, Babbs C, Braslow A, **Idris A**, Keil J-P, Kaye W, Lane J, Morioka T, Roese W. Future directions for resuscitation research. II. External cardiopulmonary resuscitation basic life support. *Resuscitation* 1996;32:63-75.
23. **Idris AH**, Becker LB, Ornato JP, Hedges JR, Bircher NG, Chandra NC, Cummins RO, Dick W, Ebmeyer U, Halperin HR, Hazinski MF, Kerber RE, Kern KB, Safar P, Steen PA, Swindle MM, Tsitlik JE, von Planta I, von Planta M, Wears RL, Weil MH. Utstein-Style Guidelines for Uniform Reporting of Laboratory CPR Research. *Circulation* 1996;94:2324-2336. This report is copublished in *Circulation*, *Ann Emerg Med*, and *Resuscitation*
24. American Heart Association Emergency Cardiac Care Committee, the Basic Life Support (**Idris AH**, member) and Program Administration Subcommittees, and the Education Working Group. ECC advisory statement: Innovations in CPR training. *Currents* 1996;Winter:9-11.
25. Cummins RO, Chamberlain D, Hazinski MF, Nadkarni V, Kloeck W, Kramer E, Becker L, Robertson C, Koster R, Zaritsky A, Bossaert L, Ornato JP, Callanan V, Allen M, Steen P, Connolly B, Sanders A, **Idris A**, Cobbe S. Recommended guidelines for reviewing, reporting, and conducting research on in-hospital resuscitation: The in-hospital "Utstein Style". A statement for healthcare professionals from the American Heart Association, the European Resuscitation Council, the Heart and Stroke Foundation of Canada, the Australian Resuscitation Council, and the Resuscitation Councils of Southern Africa. *Circulation* 1997;95:2213-2239. This report is copublished in *Circulation*, *Ann Emerg Med* 1997, *Heart*, *Eur J Anaesthesiol*, *JEUR (European Journal of Emergencies)*, *Resuscitation* 1997;34:151-183, *Intensivmedizin und Notfallmedizin*, *Acad Emerg Med* 1997;4:603-627, *Notfallmedizin*, and *Eur J Emerg Med*.
26. Cummins RO, Sanders A, Mancini E, Hazinski MF. In-hospital resuscitation. A statement for healthcare professionals from the American Heart Association Emergency Cardiac Care Committee and the Advanced Cardiac Life Support, Basic Life Support (**Idris AH**, member), Pediatric Resuscitation, and Program Administration Subcommittees. *Circulation* 1997;95:2211-2212.
27. Handley AJ, Becker LB, Allen M, van Drenth A, Kramer E, Montgomery WH, and the ILCOR BLS Working Group. Single rescuer adult basic life support. An advisory statement from the basic life support group of the International Liaison Committee on Resuscitation (members: Handley AJ, Becker LB, Allen M, Chandra NC, Dick WF, van Drenth A, **Idris A**, Kramer EB, Montgomery WH). *Circulation* 1997;95:2174-2179 and *Resuscitation* 1997;34:101-108.
28. Wenzel V, Lehmkuhl P, Kubilis PS, **Idris AH**, Pichlmayr I. Poor correlation of mouth-to-mouth ventilation skills after basic life support training and 6 months later. *Resuscitation* 1997;35:129-134.

29. Becker LB, Berg RA, Pepe PE, **Idris AH**, Aufderheide TP, Barnes TA, Stratton SJ, Chandra NC. A re-appraisal of mouth-to-mouth ventilation during bystander CPR. *Circulation* 1997;96:2102-2112. Simultaneous publication *Ann Emerg Med* 1997;30:654-666, *Resuscitation* 1997;35:189-201, *Respir Care; Currents*.
30. Fiallos M, Kisson N, Abdelmoneim T, Johnson L, Murphy S, Lu L, Masood S, **Idris A**. Fat embolism with the use of intraosseous infusion during cardiopulmonary resuscitation. *Am J Med Sci* 1997;314:73-79.
31. Kisson N, **Idris A**, Wenzel V, Murphey S, Rush W. Intraosseous and central venous blood acid-base relationship during cardiopulmonary resuscitation. *Pediatric Emerg Care* 1997;13:250-253.
32. American Heart Association Emergency Cardiovascular Care Committee and the Subcommittees on Basic Life support (**Idris AH**, member), Advanced Life Support, and Pediatric Resuscitation. Low-energy biphasic waveform defibrillation: Evidence-based review applied to ECC guidelines. *Currents* 1997;Winter:4-5.
33. Wenzel V, **Idris AH**, Banner MJ, Kubilis PS, Williams, Jr. JL. Influence of tidal volume on the distribution of gas between the lungs and stomach in the unintubated patient receiving positive-pressure ventilation. *Crit Care Med* 1998;26:364-368.
34. Berg MD, **Idris AH**, Berg RA. Severe ventilatory compromise due to gastric distention during pediatric cardiopulmonary resuscitation. *Resuscitation* 1998;36:71-73.
35. Wenzel V, **Idris AH**, Banner MJ, Kubilis PS, Williams, Jr. JL . Respiratory system compliance decreases after cardiopulmonary resuscitation and stomach inflation: Impact of large and small tidal volumes on calculated peak airway pressure. *Resuscitation* 1998;38:113-118.
36. Cummins RO, Hazinski MF, Kerber RE, Kudenchuk P, Becker L, Nichol G, Malanga B, Aufderheide TP, Stapleton EM, Kern K, Ornato JP, Sanders A, Valenzuela T, Eisenberg M. Low-energy biphasic waveform defibrillation: Evidence-based review applied to emergency cardiovascular care guidelines. A statement for healthcare professionals from the American Heart Association Committee on Emergency Cardiovascular Care and the Subcommittees for Basic Life Support (**Idris AH**, member), Advanced Cardiac Life Support, and Pediatric Resuscitation. *Circulation* 1998;97:1654-1667.
37. Wenzel V, Keller C, **Idris AH**, Doerges V, Lindner KH, Brimacombe JR. Effects of smaller tidal volumes during basic life support ventilation in patients with respiratory arrest: Good ventilation, Less risk? *Resuscitation* 1999;43:25-29.
38. Cydulka RK, Emerman CL, Schreiber D, Molander KH, Woodruff PG, Carmargo Jr. CA, on behalf of the MARC Investigators (**Idris AH**, site PI). Acute asthma among pregnant women presenting to the emergency department. *Am J Respir Crit Care Med* 1999;160:887-892.

39. Emerman CL, Woodruff PG, Cydulka RK, Gibbs MA, Pollack CV, Camargo CA. on behalf of the MARC Investigators (**Idris AH**, site PI). Prospective multicenter study of relapse following treatment for acute asthma among adults presenting to the emergency department. *Chest* 1999;115:919-927.
40. Dörge V, Ocker H, Hagelberg S, Wenzel V, **Idris AH**, Schmucker P. Smaller tidal volumes with room-air are not sufficient to ensure adequate oxygenation during bag-valve-mask ventilation. *Resuscitation* 2000;44:37-41.
41. Boudreaux ED, Clark S, Camargo, Jr. CA, On behalf of the MARC Investigators (Idris AH, Site PI). Telephone follow-up after the emergency department visit: Experience with acute asthma. *Ann Emerg Med* 2000;35:555-563.
42. **Idris AH**, contributor. Guidelines 2000 for cardiopulmonary resuscitation and emergency cardiovascular care. International Consensus on science. *Circulation* 2000, 102:I-1 - I-384. This work is co-published in *Resuscitation* 2000;46:1-448.
43. **Idris AH**. Effects of inspired gas content during respiratory arrest and cardiopulmonary resuscitation. *Crit Care Med* 2000;28:N-196 – N-198.
44. **Idris AH**, Contributor. Weil MH, Becker L, Budinger T, Kern K, Nichol G, Schechter I, Traystman R, Wiedemann H, Wise R, Weisfeldt M, Sopko G. Workshop executive summary report: Post-resuscitative and initial utility in life saving efforts (PULSE). *Circulation* 2001;103:1182-1184.
45. Wenzel V, **Idris AH**, Montgomery WH, Nolan JP, Parr MJ, Rasmussen GE, Tang W, Tibballs J, Wik L. Report of the Ventilation Panel at the Second International Evidence Evaluation Conference. *Ann Emerg Med* 2001;37:S36-S40.
46. **Idris AH**, contributor. American Heart Association Emergency Cardiovascular Care Committee, the Subcommittees for Basic Life Support (**Idris AH**, Chair), Advanced Life Support, and Pediatric Resuscitation. ECC recommended equipment and medications for emergency responses: Basic and advanced, pediatric and adult, In-hospital and out-of-hospital. *Circulation*, in press.
47. Wenzel V, **Idris AH**, et al. A survey of effects of anesthesia protocols in porcine cardiopulmonary resuscitation laboratory models on prearrest hemodynamic variables. *Comparative Medicine* 2000;50:584-588.
48. Wenzel V, **Idris AH**, Dörge V, Nolan JP, Parr MJ, Gabrielli A, Stallinger A, Lindner KH, Baskett PJ. The respiratory system during resuscitation: A review of the history, risk of infection during assisted ventilation, respiratory mechanics, and ventilation strategies for patients with an unprotected airway. *Resuscitation* 2001;49:123-134.

49. **Idris AH.** Ventilation controversies: Making sense of the science. *Japanese J Reanimatology* 2001;20:227-233.
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#### **Miscellaneous:**

Layon J, Warzynski M, **Idris A**. Lymphocyte T-subsets in hospitalized drug abusers- is there more here than meets the eye? Reply to Letter to the Editor. *Arch Int Med*; vol 145, 1985, page 2136.

**Idris A**, Warzynski M, Layon J. Alterations in lymphocyte cell surface markers during various human infections. Letter to the editor. *Am J Med*; vol 78, 1985, pages A79-84.

Schiff R, Ansell D, Schlosser J, **Idris A**. Transfers to a Public Hospital: A Prospective Study of 467 Patients. Reply to Letter to the Editor. *N Engl J Med*; vol 315, 1986, pages 1421-22.

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**Idris AH.** Utstein-Style International Consensus Workshops for Definitions and Reporting in Laboratory CPR Research. Proceedings of the Second Chicago Symposium on CPR Research, 1994, p 1-7.

**Idris AH,** Becker LB, Fuerst RS, Wenzel V, Rush WJ, Melker RJ, Orban DJ. Benefits of ventilation for CPR. Response. *Circulation* 1995;91:3024-3025.

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Townsley M, Idris AH. From the Editors. Cardiopulmonary and Critical Care Newsletter 1999;Fall:5.

#### CREATIVE WORKS:

**Idris A** and Soven E. Mid-Hudson Valley Ecosystem. A 16mm film. New York State University Film Library, New Paltz, 1972.

Product development and formulation: **Idris A** and Melker RJ. Minipuncture introducer set with high flow rate sheath: CVSS-8.5-25-MNP-SHANDS-020989, 1989; femoral set: CVSS-8.5-25-MNP-SHANDS-A-020989, 1989. Manufactured by Cook Critical Care, Bloomington, Indiana.

#### PATENTS

Artificial ventilation mask with PCO<sub>2</sub> reducer and/or epinephrine source in mask. U.S. Patent No.5,685,298, November 11, 1997. This invention is an advance in providing ventilation for victims of respiratory and cardiac arrest. It will make it possible for lay CPR providers to give a superior ventilation gas with this small, self-contained device. The device has the potential for widespread use by police, fire rescue squads, lifeguards, commercial aircraft, places of business, and mass events.

#### CONTRACTS AND GRANTS:

Glaxo, Inc. A dose ranging study of IV labetalol for the treatment of elevated blood pressure following neurosurgery: A multicenter pilot study.

Total award: \$67,500.

Funding dates: 1988-1989.

Role: Co-principal investigator.

Schering Laboratories. Comparison of inhaled albuterol administered by metered-dose inhaler and nebulizer in patients with acute asthma.

Total award: \$4,600.

Funding dates: 1988-1992.

Role: Principal investigator.

American Heart Association-Florida. A model for the study of acid-base balance and ventilation in low blood flow states.

Total award: \$32,623.

Funding dates: 7/91-7/93.

Role: Principal investigator.

Children's Miracle Network. Active compression-decompression CPR in a neonatal animal model.

Total award: \$16,000

Funding dates: 7/93-6/94

Role: Co-investigator

The Laerdal Foundation for Acute Medicine. A study of hemodynamics, gas exchange, and survival from cardiac arrest in a swine model of mouth-to-mouth ventilation.

Total award: \$7,500.

Funding dates: 1994-1995.

Role: Principal investigator.

The Laerdal Foundation for Acute Medicine. Alternate methods of cardiopulmonary resuscitation.

Total award: \$7,500.

Funding dates: 1994-1995.

Role: Co-Principal investigator.

The Laerdal Foundation for Acute Medicine. Chicago Symposium on Advances in CPR Research.

Total award: \$30,000.

Funding dates: 1994.

Role: Director.

The American Heart Association. Chicago Symposium on Advances in CPR Research.

Total award: \$10,000.

Funding dates: 1994.

Role: Director.

Corporate Consortium Unrestricted Educational Grant.

Chicago Symposium on Advances in CPR Research.

Total award: \$37,500.

Funding dates: 1994. Role: Director.

Lederle Laboratories: Cefixime or ceftriaxone for the treatment of gonorrhea: a cost comparison analysis.

Total award: \$400.

Funding dates: 1995-1996

Role: Principal investigator.

NIH and Glaxo-Wellcome: Multicenter Asthma Research Collaboration-4

Total award: \$3000.

Funding dates: 1998-1999

Role: Principal investigator.

I. Heermann Anesthesia Foundation

Total award: \$29,938

Funding dates: 1998-2000

Role: Principal investigator.

University of Florida Dean's Research Fund

Intracranial pressure responses to variations of rapid sequence intubation

Total award: \$8,500

Funding Dates: 2000

Role: Co-Investigator

Pharmadigm, Inc.: Phase IIb Asthma Study

Total award: \$48,000

Funding dates: 2000

Role: Site Principal Investigator

Sepracor Pharmaceuticals: Levalbuterol for acute asthma.

Total award: \$77,000

Funding dates: 2001-2002

Role: Site Principal Investigator

National Institutes of Health: Multicenter Asthma Research Collaboration-5a.

Total award: \$3000.

Funding dates: 2001

Role: Principal investigator.

National Institutes of Health: Multicenter Asthma Research Collaboration-5p.

Total award: \$3000.

Funding dates: 2001

Role: Principal investigator.

National Institutes of Health: Multicenter Asthma Research Collaboration-7.

Total award: \$1,500.

Funding dates: 2001

Role: Co- investigator.

Oxidant injury occurs rapidly after traumatic brain injury.

I. Heermann Anesthesia Foundation

Total award: \$10,000

Funding dates: 2002-2003  
Role: Co-investigator.

Emergency Medical Support Program.  
Source: NASA  
Total award: \$685,744  
Funding dates: 2002 – 2007  
Role: Director

Neurochemical Monitoring of the Intracerebral Microenvironment Using Microdialysis in Severely Head Injured Patients.  
Source: National Institutes of Health  
Total award: \$600,000  
Funding dates: 9/01/01 – 8/30/05  
Role: Co-Investigator

A randomized, placebo controlled study to evaluate the safety of Cyclosporin A in patients with severe traumatic brain injury.

Source: National Institutes of Health  
Total award: \$600,000  
Funding dates: 9/01/01 – 8/30/05  
Role: Co-Investigator

Oxidant Injury Following Moderate Traumatic Brain Injury.

Source: McKnight Brain Institute  
Total award: \$20,000  
Funding dates: 1/01/01 to 6/30/02  
Role: Principal Investigator

Cerebral oxidant injury and neurological outcome in a rat model of global cerebral ischemia.

Oxidant Injury Following Moderate Traumatic Brain Injury.

Source: McKnight Brain Institute  
Total award: \$20,000  
Funding dates: 1/01/01 to 6/30/02  
Role: Principal Investigator

Sepracor Pharmaceuticals: Levalbuterol for acute asthma.

Total award: \$70,000  
Funding dates: 2001-2002  
Role: Site Principal Investigator

NASA & US Army Institute of Surgical Research, CRDA DAMD 17-01-0112.

Development of a Countermeasure Device for Treatment of Orthostatic Intolerance After Prolonged Space Travel.

Total Award: \$50,000  
Funding Dates: 2002-2003  
Role: Co-Investigator

NASA & US Army Institute of Surgical Research, CRDA DAMD 17-01-0112.  
Development of a Countermeasure Device for Treatment of Orthostatic Intolerance After Prolonged Space Travel.  
Total Award: \$50,000  
Funding Dates: 2003-2004  
Role: Co-Investigator

Title: Outcome of Therapeutic Hypothermia in Pediatric Arrest  
Source: NIH: Nat. Institute of Child Health and Human Development. 1R21HD044981-01  
Total Award: \$1,500,000  
Funding Dates: 7/1/2003-6/30/05  
Role: Co-PI

Title: A PROSPECTIVE STUDY OF THE TIME INTERVAL FROM ACTIVATION OF THE CODE BLUE TEAM TO THE FIRST DEFIBRILLATION SHOCK FOR CARDIAC ARREST.  
Source: Medtronic/Physiocontrol  
Total award: \$70,000  
Funding dates: 3/1/04 – 2/28/05  
Role: Principal Investigator

Title: A PROSPECTIVE STUDY OF THE TIME INTERVAL FROM ACTIVATION OF THE CODE BLUE TEAM TO THE FIRST DEFIBRILLATION SHOCK FOR CARDIAC ARREST.  
Source: Philips  
Total award: \$25,000  
Funding dates: 3/1/04 – 2/28/05  
Role: Principal Investigator

Title: Noninvasive Treatment of Hemorrhagic Shock  
Source: US Army/Department of Defense  
Total award: \$70,000  
Funding dates: 3/1/04 – 2/28/05  
Role: Co-Investigator

Title: C30: Basic Life Support Instruction in 30 minutes.  
Source: Laerdal Corp.  
Total award: \$29,000  
Funding dates: April - November, 2004  
Role: Co-Principal Investigator

Title: Circulatory Compromise: Opportunities to Improve Outcome. (1 U01 HL77887-01)  
Source: NIH: Nat. Institutes of Health. RFA HL04-001  
Total Award: \$2,443,349  
Funding Dates: 9/1/2004-4/30/09  
Role: Principal Investigator

Title: Hypertonic Saline for Traumatic Resuscitation.

Source: Nat. Institutes of Health and the DoD. HL 077887 (Supplement)  
Total Award: \$370,575  
Funding Dates: 10/1/06 – 4/30/09  
Role: Principal Investigator

Title: Epidemiological Registry for Major Traumatic Injury and Cardiac Arrest  
Source: American Heart Association.  
Total Award: \$1,295,000  
Funding Dates: 12/1/05 – 4/30/09  
Role: Principal Investigator

Title: Noninvasive Treatment of Hemorrhagic Shock  
Source: US Army/Department of Defense  
Total award: \$127,000  
Funding dates: 8/1/05 – 7/31/06  
Role: Principal Investigator

Title: Controlled Ventilation Strategies to Improve Outcome in Patients with Out-of-Hospital Cardiac Arrest  
Source: Laerdal Corp.  
Total award: \$48,000  
Funding dates: 8/1/07 – 7/31/08  
Role: Principal Investigator

Title: Laser-induced Breakdown Spectroscopy to control an ultra-short pulse laser for burn wound debridement: A proof of concept study  
Source: US Army/Department of Defense; W81XWH-07-1-0675  
Total award: \$244,627  
Funding dates: 1/1/08 – 12/31/09  
Role: Principal Investigator

Title: Resuscitation Outcomes Consortium Regional Clinical Center – DFW Center for Resuscitation Research  
Source: Nat. Institutes of Health/NHLBI. RFA HL-10-006  
Total Award: \$942,000  
Funding Dates: 3/1/2010 – 12/31/2015  
Role: Principal Investigator

#### UNIVERSITY AND PROFESSIONAL SERVICE:

Member, Medical Care Committee, Cook County Hospital, 1982-1983

Member, Selections and Promotions Committee, Cook County Hospital, 1982-1986

Member, Illinois State Senate Professional Panel on the Human Health Effects of Dioxin, 1983

Course Director, Social Issues in Urban Medicine, College of Medicine, University of Illinois, 1983-1986

Member, Scientific Research Committee, Cook County Hospital, 1984-1986

Member, Medical Care Committee, American Public Health Association, 1984-1994

Medical Director, EMS Base Station, Cook County Hospital, 1985-1986

Member, Professional Advisory Panel, Protocol Subcommittee, Emergency Medical System of the City of Chicago, 1985-1986

Member, Pharmacy and Therapeutics Committee, Shands Teaching Hospital, 1986-1999

Director of Medical Education and Conferences, Division of Emergency Medicine, College of Medicine, University of Florida, 1986 - 1995

Member, Education Committee, Florida Chapter, American College of Emergency Physicians, 1988 - 1991

Chairman, Annual Scientific Meeting, Florida Chapter, American College of Emergency Physicians, 1989 and 1990

Director of Emergency Medicine Research, Division of Emergency Medicine, College of Medicine, University of Florida, 1993 – 2003.

Graduate research professor, University of Florida College of Medicine, 1993.

Member, Subcommittee on basic life support cardiopulmonary resuscitation, American Heart Association, 1994 - present

Member, subcommittee on basic life support cardiopulmonary resuscitation, International liason committee on resuscitation, 1994 - 1995

Consultant for the National Association of Emergency Medicine Service Physicians Cerebral Resuscitation Paper Competition, 1994.

Director, Shuttle Medical Support Program, National Aeronautics and Space Administration, Kennedy Space Center, 1995 – 2003.

Co-director, Emergency procedures laboratory, 1995 – 2003.

Chairman, subcommittee on evaluation of scientific research and CPR guideline development, Emergency Cardiac Care Committee, American Heart Association, 1995-1999

Member-at-large to the Executive Committee of the Council on Cardiopulmonary and Critical Care, American Heart Association, 1998 - 2002.



Consultant, National Institutes of Health, PULSE group. 2000 - present

Co-Chairman, Code Blue Committee, Shands at UF. 2001 – 2003.

Member, Hospital-wide Resuscitation Committee, Parkland Memorial Hospital, 2003 – 2006.

Chair, Hospital-wide Resuscitation Committee, Parkland Memorial Hospital, 2003 – present.

Member, Philips Advisory Panel, 2003 – 2004.

Member, Integrated Research Team (IRT) Steering Committee for Advanced Capabilities for Combat Medics research program area. US Army Medical Research and Materiel Command (USAMRMC), 2004 – present.

Member, NIH Center for Scientific Review, Special Emphasis Panel ZRG1 SBTS-E Cardiovascular Devices. 2005 – Present.

Mentor for the Clinical Scholars Program, University of Texas Southwestern Medical Center, 2005 to present.

Mentor for medical student research program, Southwestern Medical School, 2005 to present.

Member, IRB 4, University of Texas Southwestern Medical Center, 2006 to 2007.

Chair, IRB 4, University of Texas Southwestern Medical Center, 2007 to present.

### **LECTURES OR SPEECHES AT PROFESSIONAL CONFERENCES:**

#### **International Meetings:**

Invited Speaker. Applied research on multinational corporations. Presented at the Ninth International Congress of Anthropological and Ethnological Sciences. Chicago, September, 1973.

Refereed paper presentation. A new intraosseous infusion device. Presented at: 6th World Conference on Emergency & Disaster Medicine. Hong Kong, September, 1989.

Refereed paper presentation. Lack of standards in animal CPR research. Presented at the Emergency Medicine Research Society/Society for Academic Emergency Medicine combined meeting, Cambridge, United Kingdom, 1993.

Refereed paper presentation. The relationship of end-tidal CO<sub>2</sub> and coronary artery perfusion pressure following administration of epinephrine during CPR. Presented at the Emergency Medicine Research Society/Society for Academic Emergency Medicine combined meeting, Cambridge, United Kingdom, 1993.

Refereed paper presentation. KISSOON N, **Idris A**, WENZEL V, PETERSON R, RUSH W. Comparison of the acid-base balance of intraosseous and mixed venous blood gases during cardiopulmonary resuscitation. Fifth ICEM, London, UK, 1994.

Refereed paper presentation. Chest compression ventilation: A comparison of standard CPR and active-compression/decompression CPR. International Emergency Cardiac Care Update, Richmond, 1994.

Invited speaker. Lack of guidelines and definitions for laboratory CPR research. International Resuscitation Research Conference, Pittsburgh, 1994.

Invited Speaker. A synopsis of recent research on ventilation during CPR. The second Chicago symposium on advances in CPR research. Chicago, 1994.

Refereed paper presentation. A model for studying mechanical active compression/decompression cardiopulmonary resuscitation. The second Chicago symposium on advances in CPR research. Chicago, 1994.

Refereed paper presentation. A model for studying mechanical active compression/decompression cardiopulmonary resuscitation. Resuscitation '94. Mainz, Germany, 1994.

Invited speaker. Lack of guidelines and definitions for laboratory CPR research. Utstein II Conference, Utstein Abbey, Norway, June 1995.

Invited speaker. How much tidal volume should be given during CPR when the airway is unprotected? Plenary Session, International Liaison Committee on Resuscitation, Utstein Abbey, Norway, June 1995.

Invited speaker. The recovery position. BLS working group, International Liaison Committee on Resuscitation, Utstein Abbey, Norway, June 1995.

Invited Speaker. Tidal volume for bag-valve-mask and mouth-to-mouth ventilation. Second International Evidence Evaluation Conference, Dallas, September 1999.

Invited Speaker. Mouth-to-mouth ventilation: Hot air or lifesaving first step. Second International Evidence Evaluation Conference, Dallas, September 1999.

Invited Speaker, Basic Life Support: The past 8 years and the next 5 years, International Guidelines 2000 Conference, Dallas, February 2000.

Invited Speaker, Tidal volume for mouth-to-mouth and bag-valve-mask ventilation, International Guidelines 2000 Conference, Dallas, February 2000

Panel Member, Basic Life Support I - Adults, International Guidelines 2000 Conference, Dallas, February 2000

Panel Member, Basic Life Support II - Adults, International Guidelines 2000 Conference, Dallas, February 2000

Invited Speaker, Plenary Session, Basic Life Support Recommendations and Algorithm Changes, International Guidelines 2000 Conference, Dallas, February 2000

Invited Speaker, New CPR Guidelines for 2000. Brazilian Congress on Emergency and Critical Care Medicine, Belo Horizonte, Brazil, April 2000.

Invited Speaker, NASA emergency medical Services plan and CPR in microgravity. Brazilian Congress on Emergency and Critical Care Medicine, Belo Horizonte, Brazil, April 2000.

Invited Speaker, Mouth-to-mouth ventilation: Lifesaving maneuver or just hot air? Brazilian Congress on Emergency and Critical Care Medicine, Belo Horizonte, Brazil, April 2000.

Invited Speaker, Interesting emergency cardiac cases. Brazilian Congress on Emergency and Critical Care Medicine, Belo Horizonte, Brazil, April 2000.

Invited Speaker, New recommendations for CPR: Tidal volume for mouth-to-mouth and bag-valve-mask ventilation. Japanese Association for Acute Medicine. Tokyo, Japan, June 2000.

Course Director. Basic Life Support Training session for American Heart Association National Faculty. Emergency Cardiac Care Update 2000: International Educational Conference and Exposition. San Diego, September 2000.

Invited Speaker. Airway and ventilation. Emergency Cardiac Care Update 2000: International Educational Conference and Exposition. San Diego, September 2000.

Invited Speaker. Plenary Session: ECC town meeting - "shake, shout, and let it out". Emergency Cardiac Care Update 2000: International Educational Conference and Exposition. San Diego, September 2000.

Invited Speaker, Controversies in basic life support ventilation, Annual meeting of the Society for Reanimatology, Kanazawa, Japan, October 2001.

Invited Speaker, Controversies in basic life support ventilation. Spark of Life Conference, Melbourne, Australia, April 2002.

Invited Speaker, Basic life support. World Congress on Drowning, Amsterdam, Netherlands, June 2002.

Invited Speaker, Emergency medical response for space shuttle contingencies. World Congress on Drowning, Amsterdam, Netherlands, June 2002.

Invited speaker. Use of an impedance threshold valve to treat hemorrhagic shock in spontaneously breathing pigs. Resuscitation 2002, Florence, Italy, October 2002.

Invited speaker. Optimizing bag-valve-mask ventilation with a new mouth-to-bag resuscitator. Resuscitation 2002, Florence, Italy, October 2002.

Invited speaker. Rapid brain and chest cooling during CPR using intravenous and intrapulmonary phase-change ice slurry. Resuscitation 2002, Florence, Italy, October 2002.

Invited Speaker, Emergency medical response for space shuttle contingencies. 24<sup>th</sup> International Symposium of Intensive Care and Emergency Medicine, Brussels, Belgium, April 2004.

Invited Speaker, Basic Life Support Tutorial. 24<sup>th</sup> International Symposium of Intensive Care and Emergency Medicine, Brussels, Belgium, April 2004.

Invited Speaker, The Future of Basic Life Support. 24<sup>th</sup> International Symposium of Intensive Care and Emergency Medicine, Brussels, Belgium, April 2004.

Invited Speaker, Oxidant Injury during Cardiac Arrest and Shock. 24<sup>th</sup> International Symposium of Intensive Care and Emergency Medicine, Brussels, Belgium, April 2004.

Invited Speaker, The Future of Basic Life Support. University of Vienna College of Medicine, Vienna, April 2004.

Invited Speaker, Emergency medical response for space shuttle contingencies. University of Vienna College of Medicine, Vienna, April 2004.

Invited Speaker, Guidelines for Resuscitation in Drowning. ILCOR Consensus on Science, Budapest, September 2004.

Invited Speaker, Comparison of Ventilation Rate Measured with Thoracic Bioimpedance and with Capnography. Wolf Creek IX, Palm Springs, June 22, 2007.

Invited Speaker, Lower ventilation rates improve brain tissue oxygenation and perfusion during hemorrhagic shock. Wolf Creek X, Palm Springs, June, 2009.

Invited Speaker, FOLLOWING HEMORRHAGIC SHOCK, LACTATE AND BASE DEFICIT BECOME WORSE IMMEDIATELY AFTER REPERFUSION AND ARE IMPROVED WITH HYPOVENTILATION. Wolf Creek X, Palm Springs, June 2009.

Invited Speaker, Ventilation for resuscitation: When and how much? Japan Night, Sponsored by Philips Healthcare, Orlando, November 2009.

Invited speaker. The relationship between chest compression rates and survival from cardiac arrest. Wolf Creek XI, Palm Springs, June 2011.

Invited Speaker. Saving more lives with metrics. 1<sup>st</sup> Symposium on Resuscitation. International Federation of Emergency Medicine. San Miguel de Allende Mexico, June 2011.

Invited Speaker. Saving lives with metrics. 1<sup>st</sup> Zhongshan International Conference on Emergency and Disaster Medicine. December 21, 2012, Guangzhou, China.

Invited Speaker. Cardiocerebral Resuscitation. 1<sup>st</sup> Zhongshan International Conference on Emergency and Disaster Medicine. December 21, 2012, Guangzhou, China.

Invited Speaker. Research that will change CPR. 3<sup>rd</sup> Zhongshan International Conference on Emergency and Disaster Medicine. November 22, 2014, Guangzhou, China.

Invited Speaker, Task Force on compression depth for CPR. International Liaison Committee on Resuscitation, Dallas, January 31 to February 2, 2015.

### **National Meetings:**

Invited Speaker. End-tidal carbon dioxide and resuscitation research. At: Emergency Medicine: Clinical interpretation of new technology, Orlando, 1993.

Refereed paper presentation. Fiallos M, Abdelmoniem T, Kissoon N, Johnson L, Idris A, et al. Incidence of fat and bone marrow embolism with the use of intraosseous infusion during CPR. Pediatric Critical Care Symposium, Sea Island, Georgia, 1995.

Invited speaker. A proposal for tidal volume when ventilating a patient with an unprotected airway. American Heart Association Basic Life Support Subcommittee, Dallas, April 1995.

Invited speaker. Evidence-based review of tidal volume for ventilating a patient with an unprotected airway. American Heart Association Emergency Cardiovascular Care Committee, Research Working Group, Dallas, April 1995.

Invited speaker. Is mouth-to-mouth ventilation really necessary during CPR? American Heart Association Annual Scientific Sessions, Cardiovascular Seminar, New Orleans, November 1996.

Invited speaker. ABC vs CAB: What is the optimal sequence for cardiopulmonary resuscitation? American Heart Association Annual Scientific Sessions, Cardiovascular Seminar, Dallas, November 1998.

Invited Speaker. Workshop: CPR - Issues & Questions. Critical Care & Emergency Medicine 1998, Orlando, November 1998.

Invited Speaker. Workshop: Difficult ER Cases. Critical Care & Emergency Medicine 1998, Orlando, November 1998.

Invited Speaker. Workshop: Case Studies in Emergency Medicine. Critical Care & Emergency Medicine 1999, Orlando, November 1999.

Invited Speaker. CPR: New changes for the Millenium. Critical Care & Emergency Medicine 1999, Orlando, November 1999.

Invited Speaker. Cardiac arrest, free-radicals, and isoprostanes. Bioengineering new resuscitation therapies for the treatment of cardiac arrest. Argonne National Laboratory, November 1999.

Invited speaker. Evidence-based review of tidal volume for mouth-to-mouth ventilation. American Heart Association Emergency Cardiovascular Care Committee, Mini evidence evaluation conference, Dallas, March 1999.

Invited speaker. Evidence-based review of tidal volume for bag-valve-mask ventilation. American Heart Association Emergency Cardiovascular Care Committee, Mini evidence evaluation conference, Dallas, March 1999.

Invited Speaker. Recommendations for future research in cardiopulmonary resuscitation. National Institutes of Health, Leesburg, VA, June 2000.

Invited Speaker, Controversies in basic life support ventilation, American Heart Association Annual Scientific Sessions, Cardiovascular Seminar, New Orleans, November 2000.

Controversies in basic life support ventilation. SLAM 2001: Emergency & Rescue Airway Conference, Dallas, April 29, 2001.

Oxidant Injuries. Genomics and basic science of resuscitation. American Heart Association Annual Scientific Sessions, Cardiovascular Seminar, Chicago, November 2002.

Invited Speaker. It's all very basic – CPR & ALS in drowning. EMS State of the Science: A Gathering of Eagles V. Dallas February 2003.

Invited Speaker. NASA Emergency Medical Plan for the Space Shuttle. EMS State of the Science: A Gathering of Eagles V. Dallas February 2003.

Invited Speaker. CPR Panel. EMS State of the Science: A Gathering of Eagles VI, Dallas, February 2004.

Invited speaker. The Effectiveness of CPR Self-Instruction to Train Lay Rescuers in the Community. Emergency Cardiovascular Care Update 2004, New Orleans, September 2004.

Invited speaker. Assessment of agonal breathing improves detection of cardiac arrest. American Heart Association News Conference, New Orleans, November 8, 2004.

Invited speaker. Resuscitation Outcome Consortium: A joint NIH-AHA initiative. American Heart Association – Mission Possible meeting. Dallas, August 3, 2005.

Invited speaker. Federally sponsored research. Resuscitation Outcomes Consortium: Cardiac Arrest Trials. San Francisco, January 8, 2006.

Invited speaker. The scientific rationale for changes in CPR guidelines 2005. American Heart Association National Faculty Rollout, January 18, 2006.

Invited speaker. Technology requirements for emergency medical services monitoring of resuscitation. 2007 IEEE Dallas, Engineering in Medicine and Biology workshop. November 11, 2007.

Invited Participant. Clinical Trials Network Forum. Society of Academic Emergency Physicians, Atlanta, May 15, 2013.

Invited Speaker. Science driving the future of basic life support. Emergency Cardiovascular Care Update, Las Vegas, June 4, 2014.

Invited Speaker. Science driving the future of resuscitation - basic life support. Emergency Cardiovascular Care Update, Las Vegas, June 4, 2014.

Invited Speaker. Saving lives with metrics – translating science into action. Institute of Medicine, The National Academy of Sciences, Committee on Treatment of Cardiac Arrest: Current Status and Future Directions, Seattle, June 16, 2014.

Invited Speaker. Will the latest work by ROC impact prehospital care? EMS Today, Baltimore, February 26, 2015.

Invited Speaker. The latest in resuscitation practices. EMS Today, Baltimore, February 26, 2015.

### **Regional Meetings:**

Invited Speaker. The human health effects of dioxin. At: Midwest regional conference on agent orange, sponsored by the University of Wisconsin and the Veterans Administration. Madison, 1984.

Invited Speaker. New guidelines for cardiopulmonary resuscitation for the year 2000. Florida and Puerto Rico Regional Emergency Cardiovascular Care Committee, Tampa, October 1999.

Invited Speaker, New CPR Guidelines for 2000. Emergency Cardiovascular Care Committees, Southeast and Northeast American Heart Association Regional Affiliates, Orlando, February 2000.

Invited Speaker. Guidelines 2000: New science for CPR. Florida and Puerto Rico Regional Emergency Cardiovascular Care Committee, Tampa, March 2000.

Invited Speaker. Guidelines 2000: New science for basic life support CPR. NASA, Kennedy Space Center, July 14, 2000.

Invited Speaker. The impedance threshold device as a countermeasure for hypotension. NASA, Johnson Space Center, Texas, July 6, 2004.

### **State Meetings:**

Invited Speaker. Advances in the management of acute asthma. At: Annual scientific meeting of the Florida Chapter of the American College of Emergency Physicians. St. Petersburg Beach, August, 1988.

Invited Speaker. Advances in the management of emergency hypertension. At: Annual scientific meeting of the Florida Chapter of the American College of Emergency Physicians. St. Petersburg Beach, August, 1988.

Invited Speaker. Monitoring resuscitation efforts in the emergency department. At: Annual scientific meeting of the Florida Chapter of the American College of Emergency Physicians. St. Petersburg Beach, August, 1988.

Chairman. Opening address. At: Annual scientific meeting of the Florida Chapter of the American College of Emergency Physicians. Key Largo, August, 1990.

A study of fluid flow rates in vascular infusion devices. Presented at the Annual Scientific Meeting of The Florida Chapter of The American College of Emergency Physicians. Key Largo, Florida, August 3-5, 1990.

Invited speaker. Learning basic life support and AEDs in 30 minutes. Texas EMS Conference 2004. Austin, Texas November 22, 2004.

Invited speaker. Update for ACLS guidelines 2005. Texas Respiratory Therapist Association. Plano, Texas, April 21, 2006.

Invited speaker. Session Seven: Primum Non Nocere: Why We Need a Better Understanding of What We Do in Life-Saving. Texas Career Education Conference, Dallas, Texas, July 17-20, 2011.

### **Local Meetings:**

Invited Speaker. The national problem of interhospital emergency transfers. Grand Rounds, Florida Hospital, Orlando, August, 1986.



Invited Speaker. Controversies in the management of emergency hypertension. Grand Rounds, Florida Hospital, Orlando, August, 1987.

Invited Speaker. Interpretation and analysis of arterial blood gases and electrolytes. Grand Rounds, Florida Hospital, Orlando, August, 1988.

Invited Speaker. Acid-base metabolism in low blood flow states. Grand Rounds, Florida Hospital, Orlando, August, 1989.

Invited Speaker. Acid-base balance and ventilation in low blood flow states. Grand Rounds in Emergency Medicine, Cook County Hospital, Chicago, December, 1989.

Invited Speaker. Ventilation and resuscitation. Grand Rounds in Critical Care. University of Florida College of Medicine, May 26, 1993.

Presentation at faculty research day, University of Florida College of Medicine. The effect of ventilation on acid-base balance and oxygenation during low blood flow states. April, 1993.

Docs in Space: University of Florida-NASA Emergency Medical Support Team. Health Discoveries '98...*Beyond Mini-Medical School*, University of Florida, Gainesville, April 4, 1998.

Invited Speaker. University of Florida - NASA Medical Support Team for the Space Shuttle. University of Chicago Emergency Department Grand Rounds. April 7, 1999.

Invited speaker. The effect of ventilation gases on cardiopulmonary resuscitation outcome. Alachua and Marion County Emergency Cardiovascular Care Committee, Gainesville, September 1999.

Invited speaker. CPR in the community. Gainesville Health and Fitness Club. February 2001.

Invited Speaker. NASA Emergency Medical Plan for the Space Shuttle. Garland High School, UTSW STARS Program, December, 2003.

Invited Speaker. NASA Emergency Medical Plan for the Space Shuttle. Trinidad High School, UTSW STARS Program, May 2004.

Invited Speaker. New methods for teaching CPR: Comparison of a 25 minute CPR and AED course with a standard 4-hour course. American Airlines Headquarters, Dallas-Fort Worth, December 6, 2005.

Invited Speaker. Hypertonic Resuscitation: beginning of a new era in trauma research and care. Grand Rounds, Department of Surgery, Harris Methodist Fort Worth Hospital, Fort Worth, September 13, 2007.

Invited Speaker. Hypertonic resuscitation for severe traumatic injuries. Twenty-first century innovations in trauma care. Trauma Research and Education Foundation, Fort Worth April 3-4, 2008

Invited Speaker. The scientific rationale for CPR guidelines 2005. Doctor's Hospital, Chest Pain Conference, Dallas, February 7, 2009.

Invited Speaker. Keynote Address, Experts in Resuscitation, Parkland Memorial Hospital Seminar, March 27, 2009.

Invited Speaker. The Future of Resuscitation Science, Experts in Resuscitation, Parkland Memorial Hospital Seminar, March 27, 2009.

Invited Speaker. ROC: Past, Present, and Future. Focus on Research Series, Baylor University Medical Center, February 15, 2011.

Seminar Leader: Hands-Only CPR Training. STEMPREP Project at SMU (science seminars for 7<sup>th</sup> and 8<sup>th</sup> grade inner city students). Southern Methodist University, July 19, 2013.

Invited Speaker. LLSA Review of three studies: ROC PRIMED Analyze Early vs. Analyze Later clinical trial, ROC PRIMED ITD clinical trial, and ROC Supraglottic vs. Endotracheal Intubation study. Department of Emergency Medicine EMS Fellowship, UTSW, September 25, 2014.

Invited Speaker. Enrolled in research without consent? Emergency medicine research & Exception from informed consent. Institutional Review Board Grand Rounds "Research Matters", UT Southwestern, November 5, 2014,

Invited Speaker. Resuscitation Outcomes Consortium Clinical Trials: ALPS Study. Department of Internal Medicine, Plaza Medical Center, Fort Worth, January 22, 2015.

### **INTERNATIONAL ACTIVITIES:**

Idris AH. Chairman, Symposium on Multinational Corporations. At: The Ninth International Congress of Anthropological and Ethnological Sciences, Chicago, September, 1973.

Idris AH. Chairman. Standards in Laboratory CPR workshop. International Resuscitation Research Conference, Pittsburgh, 1994.

Idris AH. Co-Director. The second Chicago symposium on advances in CPR research. Chicago, October 1994.

Idris AH. Chairman. Utstein III, an international symposium on standards in experimental CPR research. Chicago, October 1994.

Idris AH. Co-chairman. Definitions and reporting workshop. At: Utstein III, an international symposium on standards in experimental CPR research. Chicago, October 1994.

Idris AH. Co-chairman. Standards in Laboratory CPR workshop. At: The Second Congress of the European Resuscitation Council. Mainz, Germany, October 1994.

Idris AH. Representing the US American Heart Association on the International Liaison Committee on Resuscitation, an international body composed of the American Heart Association, the Canadian Heart and Stroke Foundation, The European Resuscitation Council, the South African Resuscitation Council, and the Australian Resuscitation Council. The mission of the ILCOR is to develop world guidelines for resuscitation of the victim of respiratory and cardiac emergencies.

Idris AH. Co-chairman, Methodology Issues Discussion Session. Utstein '95 meeting, recommended guidelines for uniform reporting of data from in-hospital resuscitation: the in-hospital Utstein style. Utstein Kloster, Norway, June 1995.

Moderator. Ventilation expert panel. American Heart Association Emergency Cardiovascular Care Committee, Mini evidence evaluation conference, Dallas, March 1999.

International Evidence Evaluation Conference Planning Committee, 1999.

Moderator. Ventilation expert panel. Second International Evidence Evaluation Conference, Dallas, September 1999.

Moderator, Oral abstract session. CPR: Defibrillation, ventilation, and emergency cardiac care. American Heart Association 72nd Scientific Sessions, Atlanta, November 1999.

International Guidelines 2000 Conference Planning Committee, 1999 - 2000

Moderator, Ventilation Plenary, International Guidelines 2000 Conference, Dallas, February 2000

Moderator. New AHA International 2000 Guidelines: Adult Basic Life Support. Emergency Cardiac Care Update 2000: International Educational Conference and Exposition. San Diego, September 2000.

Moderator, Oral abstract session. Public access defibrillation and electrical therapies. American Heart Association 73rd Scientific Sessions, New Orleans, November 2000.

Chair, Resuscitation of drowning victims by lifeguards and pool attendants. World Congress on Drowning, Amsterdam, Netherlands, June 2002.

Chair, Utstein-style consensus conference for drowning guidelines. World Congress on Drowning, Amsterdam, Netherlands, June 2002.

Panel member, Brain protection for cerebral anoxia. World Congress on Drowning, Amsterdam, Netherlands, June 2002.

Panel member, Interactive case presentation: Resuscitation of a drowning victim. World Congress on Drowning, Amsterdam, Netherlands, June 2002.

Visiting Professor, University of Vienna College of Medicine, April 2004.

Moderator, Best original resuscitation Science. Resuscitation Science Symposium. American Heart Association 80th Scientific Sessions, Orlando, November 2007.

Moderator, Best original resuscitation Science. Resuscitation Science Symposium. American Heart Association, 81<sup>st</sup> Scientific Sessions, New Orleans, November 2008.

Moderator, Best original resuscitation Science. Resuscitation Science Symposium. American Heart Association, 82<sup>nd</sup> Scientific Sessions, Orlando, November 2009.

Moderator, Best original resuscitation Science. Resuscitation Science Symposium. American Heart Association, 83<sup>rd</sup> Scientific Sessions, New Orleans, November 2010.

Moderator, Best original resuscitation Science. Resuscitation Science Symposium. American Heart Association, 84<sup>th</sup> Scientific Sessions, Orlando, November 2011.

Moderator, Best original resuscitation Science. Resuscitation Science Symposium. American Heart Association, 85<sup>th</sup> Scientific Sessions, Los Angeles, November 2012.

Chairman, Second International Utstein-Style Symposium on Reporting Data from Drowning Research, Potsdam, Germany, October 18 & 19, 2013.

Member, Task Force on compression depth for CPR. International Liaison Committee on Resuscitation, Dallas, January 31 to February 2, 2015.

**EDITOR OF A SCHOLARLY JOURNAL, SERVICE ON AN EDITORIAL ADVISORY BOARD OR REVIEWER FOR A SCHOLARLY JOURNAL**

Consulting Editor, *Annals of Emergency Medicine*, 1994 - 1996.

Editorial Board member, *Resuscitation*, 1995 - 2004

Consultant for the *Annals of Emergency Medicine*, 1992 - present.

Consultant for *Academic Emergency Medicine*, 1993 - present

Consultant for *Chest*, 1994 - present

Consultant for *Resuscitation*, 1994 - present.

Consultant for *The American Journal of Emergency Medicine*, 1996 - present

Consultant for the National Institutes of Health Cardiovascular Study Section, 1996-present

Consultant for *Pediatrics*, 1996 - present

Consultant for *Circulation*, 1997 – present

Consultant for JAMA, 2014

Consultant for the Perflubron emulsion advisory board, R. W. Johnson Pharmaceutical Research Group, 1997

Associate Editor, *Cardiopulmonary and Critical Care Newsletter*, American Heart Association, 1998 to 2001

Editorial Board Member, *Currents*, American Heart Association and the Citizen CPR Foundation

#### **MEMBERSHIP IN PROFESSIONAL SOCIETIES:**

American Public Health Association, 1984 – present

American College of Emergency Physicians, 1986-present

Member, Medical Care Committee, American Public Health Association, 1984-1994

Member, Injury Control and Emergency Health Services Group, American Public Health Association, 1989-1994

Member, Society for Academic Emergency Medicine, 1991-present.

Member, National Association of Emergency Medical Services Physicians, 1991-1994

Member, ischemia/reperfusion committee, Society for Academic Emergency Medicine, 1993-present.

Member, American Heart Association, 1992-present

Member, Cardiopulmonary and Critical Care Council, American Heart Association, 1992-present

Member-at-Large, Executive Committee, Cardiopulmonary and Critical Care Council, American Heart Association, 1998-present

Chairman of membership, Cardiopulmonary and Critical Care Council, American Heart Association, 1998-2000

**COMMUNITY SERVICE.**

Co-leader, Girl Scout Troop 325, Gainesville, FL, 1993 – 2002

Science Fair Judge, Kanapaha Middle School, December 10, 1998, Gainesville.

Invited speaker. Docs in Space: University of Florida-NASA Emergency Medical Support Team. Girl Scouts of America Regional Camp. Camp Kateri, July 1999, Florida.

Voluntary physician, Community Access Health Care Clinic, November 1999 – 2003, Gainesville

Science Fair Judge, Kanapaha Middle School, December 2, 1999, Gainesville

Volunteer Physician, United to Serve, University of Texas Southwestern Medical Center Community Health Fair, April 2004, Dallas

Volunteer Physician, United to Serve, University of Texas Southwestern Medical Center Community Health Fair, April 2005, Dallas

Volunteer Physician, United to Serve, University of Texas Southwestern Medical Center Community Health Fair, April 2006, Dallas

Volunteer Physician, United to Serve, University of Texas Southwestern Medical Center Community Health Fair, April 2007, Dallas

Volunteer Community Basic Life Support instructor, American Heart Association, 2007 to present.

Seminar Leader: Hands-Only CPR Training. STEMPREP Project at SMU (science seminars for 7<sup>th</sup> and 8<sup>th</sup> grade inner city students). Southern Methodist University, July 19, 2013.

**EDITORIAL REVIEWS of ARTICLES WRITTEN BY A. IDRIS:**

Relman AS. Texas eliminates dumping: A start toward equity in hospital care. N Engl J Med; vol 314(9), 1986, pages 578-579.

Jonasson O and Barrett J. Transfer of unstable patients: Dumping or duty? JAMA, vol 257(11), 1987, page 1519.

Newhouse MT, Emergency department management of life-threatening asthma: Are nebulizers obsolete? Chest, vol 103, 1993, pages 661-662.

Beskin D. Emergency department treatment of severe asthma. Ann Emerg Med, vol 22, 1993, page 1371.

Ornato JP. Should bystanders perform mouth-to-mouth ventilation during resuscitation? Chest 1994;106:1641-1642.

Cited in Emergency Cardiac Care Update '94 presentations and abstracts: **Idris AH**, Wenzel V, Tucker KJ, Fuerst RS. Chest compression ventilation: A comparison of standard CPR and active-compression/decompression CPR. Currents in Emergency Cardiac Care 1994;5:13.

Dick W. End-tidal carbon dioxide during extremely low cardiac output. Resuscitation 1994;28:75-77.

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National Public Radio, Weightlessness - effects on health. Interview regarding health effects of microgravity. July 2000.

WOGX TV, ABC affiliate. Interview about the NASA-UF Medical Support Team. May 2001.

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Local affiliates of CBS, NBC, ABC, Fox news, National Public Radio, news television and radio broadcast segments about the Dallas Center for Resuscitation Research and the start of the hypertonic saline for trauma resuscitation clinical trial – a total of 33 broadcasts between July 10 and 11. 2006.

## **GRAND ROUNDS**

Evidence-based Medicine: How to read the scientific literature. Division of Emergency Medicine, December 2003

NASA Emergency Medical Plan for the Space Shuttle. Division of Emergency Medicine, UTSW, May 2004. Division of Emergency Medicine, UTSW, August 26, 2004.

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Advanced Cardiac Life Support Instructor Course. Update for guidelines 2005. UT Emergency Medicine Resident's Conference. Division of Emergency Medicine, UTSWMC, Dallas. March 2, 2006.

## **CLINICO-PATHOLOGIC CONFERENCE**

Division of Emergency Medicine. A patient with nausea, vomiting, diarrhea, fever, headache, and myalgias. (Increased indirect hyperbilirubinemia --→hemolysis: Dx: Malaria without anemia) May 27, 2004.

## **JOURNAL CLUB**

Review of published studies relating to management of severe traumatic injury: hypertonic saline and ventilation. Division of Emergency Medicine, UTSWMC, May 5, 2005.

Review of published studies relating to management of emergency hypertension. Division of Emergency Medicine, UTSWMC, May 4, 2006

## **FORMAL TEACHING**

Advanced Cardiac Life Support Provider Course. Instructed Airway station. UT Southwestern Medical School, Dallas, 4<sup>th</sup> year medical students. May 24, 2004.

Advanced Cardiac Life Support Provider Course. Instructed Automated External Defibrillation. UT Southwestern Medical School, Dallas, 4<sup>th</sup> year medical students. May 25, 2004.

Advanced Cardiac Life Support Provider Course. Instructed Automated External Defibrillation and tested the Megacode station. UT Southwestern Medical School, Dallas, 4<sup>th</sup> year medical students. May 27, 2004.

ACLS. Emergency Medicine Resident's Resuscitation skills Lab. Dept. of Emergency Medicine, UTSW November 11, 2004.

Advanced Cardiac Life Support Instructor Course. Update for guidelines 2005. Parkland Memorial Hospital, Dallas. April 3, 2006.

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Advanced Cardiac Life Support Instructor Course. Update for guidelines 2005. UT Southwestern Medical School, Dallas. May 16, 2006.

Advanced Cardiac Life Support Provider Course. UT Southwestern Medical School, Dallas. May 11, 2007. Megacode Testing.

Advanced Cardiac Life Support Provider Course. UT Southwestern Medical School, Dallas. June 27, 2007. The science behind the guidelines.

**OTHER**

Review of Current Research. Division of Emergency Medicine Research meeting. UTSWMC, Dallas, May 27, 2004.



October 31, 2013

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Ahamed H. Idris, MD

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Date