

## **L. Timothy Worrell, M.P.H., R.R.T.**

### **EDUCATION:**

University of Central Florida  
Master of Public Health Degree  
1984

University of Central Florida (Florida Technological University)  
Bachelor of Science Degree in Respiratory Therapy  
1971

### **PROFESSIONAL EXPERIENCE:**

Associate Professor (Tenured)  
Department of Health Professions  
College of Health and Public Affairs  
University of Central Florida  
Orlando, Florida 32816  
2003- Present

Associate Professor and Program Director, (Tenured)  
Cardiopulmonary Sciences Program,  
Department of Health Professions  
College of Health and Public Affairs,  
University of Central Florida,  
Orlando, Florida 32816,  
1995- 2003

Associate Professor and Director of Clinical Education, (Tenured)  
Cardiopulmonary Sciences Program,  
Department of Health Sciences,  
College of Health and Public Affairs,  
University of Central Florida,  
Orlando, Florida  
1986 to 1995

Assistant Professor, Respiratory Therapy Program,  
College of Health,  
University of Central Florida,  
Orlando, Florida  
1976 to 1986

Adjunct Instructor, Department of Allied Health Sciences,  
Florida Technological University  
Orlando, Florida  
1973-1976

Assistant Technical Director, Cardiopulmonary Therapy Department,  
Orlando Regional Medical Center,  
Orlando, Florida  
1975-1976

Section Head, Cardiac Catheterization and Diagnostic Ultrasound  
Laboratories, Cardiopulmonary Therapy Department,  
Orlando Regional Medical Center  
Orlando, Florida  
1972-1975

Physiologic Monitoring Technologist,  
Cardiopulmonary Therapy Department,  
Orlando Regional Medical Center,  
Orlando, Florida  
1971-1972

Staff Respiratory Therapist,  
Cardiopulmonary Therapy Department,  
Orlando Regional Medical Center,  
Orlando, Florida  
1971

Staff Respiratory Therapy Technician,  
Cardiopulmonary Therapy Department  
Orlando Regional Medical Center  
Orlando, Florida  
1970-71

**PROFESSIONAL AFFILIATIONS:**

American Association for Respiratory Care

Florida Society for Respiratory Care

Education section of Florida Society for Respiratory Care

Cardiopulmonary Section of the American Association for Respiratory Care

National Board for Respiratory Care:  
Registered Respiratory Therapist (Registry #1666)

American Heart Association  
(Florida Affiliate) 1973-83

Florida Heart Institute

United Faculty of Florida/ National Education Association Union Member

Florida Education Association ( Charter Member )

Florida Academy of Sciences  
(Medical Sciences Section) 1982-84

Florida Department of Professional Regulation;  
Licensed as a Registered Respiratory Therapist (License Number #RT 0001368 )

## **PUBLICATIONS:**

### **Chapters in Books**

Acierno, L.J., and **Worrell, L. T.**, Profiles of Cardiology, Volume 1, edited by Willis Hurst, Richard Conti, and W. Bruce Fye, Journal of Clinical Cardiology (May 2003).

Acierno, L.J., Cleland, T.S., Rohter, F.D., and **Worrell, L.T.** Diagnostic intervention (Chapter III). In Acierno, L.J. Comprehensive Cardiac Rehabilitation and Prevention: A Model Program. Havertown, PA., Immergut and Siolek Publishers, Inc., 1985.

Acierno, L.J., Crittenden, D.J., Hartley, J.R., and **Worrell, L.T.** Diagnostic and Technical Considerations (Chapter 11) in The Human Machine: How It breaks Down. Needham Heights, MA., Ginn Press/Simon and Schuster Higher Education Publishing Group, 1989.

### **Peer Reviewed Journal Articles**

**Worrell, L. Timothy** and McDonough, Melanie, Preparing Graduating Seniors for Entry into the “Real” World Using a Boot Camp Model, Faculty Focus, University of Central Florida, FCTL Publication, 8:2-3, October 2009.

Acierno, Louis. J. and **Worrell, L. Timothy**, “Peter Safar: Father of Modern Day Cardiopulmonary Resuscitation”, Journal of Clinical Cardiology, Clin Cardiol 2007; 30-52-54. (2007) .

**Worrell, L. Timothy**, Blended Student Groups: Managing Students with Diverse Academic and Professional Backgrounds in the Small to Moderate Size Class, Faculty Focus, University of Central Florida, FCTL publication, 4:3-4, January 2005.

**Worrell, L. Timothy**, & Ludy, J. E., Clinical Preceptor Education: “Training the Trainer”, Faculty Focus, University of Central Florida, FCTL publication, 4:5-6, March 2005.

Acierno, L.J. and **Worrell, L. T.**, “Albrecht Fleckenstein: Father of Calcium Antagonism”, Journal of Clinical Cardiology, 27, 710-711 (2004).

Acierno, L.J., and **Worrell, L.T.**, “Inge Edler: Father of Echocardiography” Journal of Clinical Cardiology, 25: 197-199 (2002).

Acierno, L.J., and **Worrell, L. T.**, “George Ralph Mines: Victim of Self-Experimentation?”, Journal of Clinical Cardiology, 24: 571-572 (2001).

Acierno, L.J., and **Worrell, L.T.**, “James Bryan Herrick”, Journal of Clinical Cardiology, 23:230-232, (2000).

Acierno, L.J., and **Worrell, L.T.**, Radionuclide Imaging in Coronary Artery Disease, Radiologic Technology, 55 (4), 616-621, 1984.

Acierno, L.J., and **Worrell, L.T.**, Cardiac nuclear imaging. Radiologic Technology, 55(2), 79-87, 1984.

Gutierrez, C.J., **Worrell, L.T.**, and Acierno, L.M. Employment of a balloon hemodynamic model in generating pressure waveforms similar to asbestos seen during bedside hemodynamic monitoring: A comparative Study. Florida Scientist, 41,(supplement 1), 41, 1984.

**Worrell, L.T.**, and Acierno, L.J. Clinical features of asbestosis and asbestos-related lung carcinoma. Respiratory Therapy, 13(5), 123-126, 1983.

**Worrell, L.T.**, et.al. (contributing author) The development and maintenance of respiratory therapy programs. Workbook for the State of Florida Department of Education, Division of vocational education, 1977.

### **Articles in progress**

Acierno, L.J., and **Worrell, L.T.** Magnetic resonance imaging of the heart. To be submitted to Heart and Lung.

**Worrell, L.T.**, Alternative Communication Devices for the Mechanically Ventilated Patient. To be submitted to Respiratory Care.

Acierno, L.J., Borrero, J., Curry, C., and **Worrell, L.T.**, Deep Vein Thrombosis and Subclavian Outlet Syndrome. For The American Journal of Cardiology.

## **PRESENTATIONS:**

“Cardiac Output Determination” Workshop/lecture conducted for members of Humana Hospital Kissimmee Cardiopulmonary Therapy Department, 1981.

Cardiopulmonary Resuscitation Training Workshop conducted for the College of Health faculty and staff, 1982.

Review workshop for Respiratory Therapy certification exam co-conducted for members of Fish Memorial Hospital Respiratory Therapy Department, New Smyrna Beach, Florida, 1982.

Cardiopulmonary Resuscitation Training Workshop conducted for University Student Resident advisors (UCF), 1984.

“Echocardiography Diagnosis of Pericardial Effusion and Myxomas of the Heart,” presented at Echocardiography seminar sponsored by the Department of Cardiology at Orlando Regional Medical Center, 1984.

“Saving the Choking Victim,” Training Program conducted for the University Food service (campus-wide system), 1984.

“Managing the Choking Victim,” Training Program conducted for members of Zeta Tau Alpha Sorority at UCF, 1985.

Presentation to Valencia Community College Academic Advisors updating them; on changes within the college and the various health programs, 1988.

Coordinator/Moderator for the Adult Critical Care Section meetings at the Florida Sunshine Seminar (annual state professional meeting) at Daytona Beach, 1990.

Presentation on Cardiac Output Determination: Proactive and Theory to the Humana Hospital Kissimmee Cardiopulmonary Therapy Department in February 1991.

Presentation on Clinical Education Techniques to staff of Florida Hospital Medical Center Respiratory Care. Two presentations given: one for the day shift and one for the evening shift. April, 1992.

Presentation on Clinical Education Techniques to staff of Orlando Regional Medical Center Respiratory Care, April , 1992.

Update presentation on Clinical Education Techniques to staff of Florida Hospital, Orlando Regional Medical Center, and Arnold Palmer Hospital, August, 1992.

Presentation on Maintenance of the Artificial Airway at seminar for Registered Respiratory Therapists and Nurses, May, 1993, at Orlando Regional Medical Center, Orlando, Florida.

“Alternative Communication Techniques for Mechanical Ventilator Bound Patients”, Pediatric Respiratory Care Symposium, Arnold Palmer Hospital for Children and Women, October, 1993

Paper presented at the Annual Meeting of the Florida Society for Respiratory Care in June, 1994 , entitled Alternative Communication Devices for the Mechanically Ventilated and/or Tracheostomized Patient , Orlando, Florida.

Paper presented at the Annual Meeting of the Florida Society for Respiratory Care Space Coast Symposium in September, 1995, entitled Alternative Communication Devices for the Mechanically Ventilated and/or Tracheostomized Patient , Cocoa Beach, Florida.

Presentation at Seminole Community College Student Seminar, Expanding the Educational Base of the Respiratory Therapist , November 1 and 15, 1995.

Presentation at Valencia Community College Student Seminar, Expanding the Educational Base of the Respiratory Therapist , January 30 and February 5, 1996.

Presentation at Seminole Community College Student Seminar, Intra-Aortic Counterpulsation Techniques , December 6, 1995.

Presentation at Valencia Community College Student Seminar, The Field of Respiratory Care and the Impact of Continuing Professional Development, April 22, 1997.

Invited to participate in a panel discussion on the topic of Expanding the Role of the Respiratory Therapist Through Continuing Professional Education: A Model for Success, at the Annual Meeting of the Florida Society for Respiratory Care in June 1998.

## **RESEARCH AREAS:**

University “In-House” research project for the development of research tool for the “Study of the Effects of Positive End Expiratory Pressure on the Cardiopulmonary System,” 1979 (Funded: \$2,000).

Investigation of the use of Respiratory Therapist as members of the Extracorporeal Membrane Oxygenation (ECHO) Team, through the College of Health and Professional Studies Faculty Awards Program, 1990 (Funded: \$500).

Acierno, L.J., Worrell, L.T. and Sweeney, M. "QT interval and ventricular arrhythmias in a student population." American Heart Association, Florida Affiliate, Inc. \$16,994. (not funded)

Invasive and Non-Invasive Cardiopulmonary Diagnostic Techniques.

M-Mode and Two-Dimensional Echocardiography.

Determination of Effects of Weight Training on Left Ventricular Muscle Mass in Untrained Individuals.

In-Vivo vs. In-Vitro measurement differences in mixed venous oxygen saturation values during Extracorporeal Membrane Oxygenation. (ECMO)

### **COMMUNITY SERVICE:**

Valencia Community College Respiratory Therapy Program Advisory Committee.

Seminole Community College Respiratory Therapy Program Advisory Committee.

Annual Sciences Fair Judge for the Brevard County Public School System (1977-97)

### **AWARDS AND HONORS:**

1973- Bronze Medallion award for Meritorious Service  
Central Florida Chapter of the American Heart  
Association

1981- Outstanding Educator Award  
UCF Student Respiratory Therapy Association

1982- Outstanding Educator Award  
UCF Student Respiratory Therapy Association

1982- UCF Foundation Award for Excellence in Teaching (College Award)

1983- Outstanding Educator Award  
UCF Student Respiratory Therapy Association

- 1983- Inducted into Omicron Delta Kappa Honor Society  
UCF Chapter (nominated as faculty member by students)
- 1986- Outstanding Educator Award  
UCF Student Respiratory Therapy Association
- 1986- Outstanding Service Award  
Valencia Community College Advisory Committees
- 1987- Outstanding Educator Award  
UCF Student Respiratory Therapy Association
- 1988- Outstanding Educator Award  
UCF Student Respiratory Therapy Association
- 1989- Outstanding Educator Award  
UCF Student Respiratory Therapy Association
- 1990- Outstanding Educator Award  
UCF Student Respiratory Therapy Association
- 1993- UCF Foundation Award for Excellence in Undergraduate Teaching (College Award)
- 1994- University Teaching Incentive Program Award (TIP)
- 1997- University Teaching Incentive Program Award (TIP)
- 2003- University Teaching Incentive Program Award (TIP)
- 2004- Appointed Faculty Fellow in the UCF Faculty Center for Teaching and Learning
- 2006- Respiratory Leader of the Year Award  
American Lung Association of Florida- Central Area