CURRICULUM VITAE

Andrew A. Pellett, Ph.D., RDCS
Associate Professor
Department of Cardiopulmonary Science
School of Allied Health Professions
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Education and Training

1991	Louisiana State University Medical Center, New Orleans, LA, School of Medicine, Department of Physiology, Ph.D.
1986	University of Vermont, Burlington, VT, B.S. in Biological Science.

Professional Experience/Employment History

2004-2006	Acting Department Head, Louisiana State University Health Sciences Center, School of Allied Health Professions, Department of Cardiopulmonary Science, New Orleans, LA
2003	Program Director, Noninvasive Cardiovascular Technology Program, Louisiana State University Health Sciences Center, School of Allied Health Professions, Department of Cardiopulmonary Science, New Orleans, LA
1998	Associate Professor, Louisiana State University Health Sciences Center, Schools of Medicine and Graduate studies, Department of Physiology, New Orleans, LA
1997	Associate Professor, Louisiana State University Health Sciences Center, School of Allied Health Professions, Department of Cardiopulmonary Science, New Orleans, LA
1991	Assistant Professor, Louisiana State University Health Sciences Center, School of Allied Health Professions, Department of Cardiopulmonary Science, New Orleans, LA

Certification/Licensure

1994 Registered diagnostic cardiac sonographer, American Registry of Diagnostic Medical Sonographers

1994 Registered cardiovascular technologist (noninvasive), Cardiovascular Credentialing International

Professional Organization Memberships

American Society of Echocardiography, 1995 to present.
American Physiological Society, 1997 to present.
Society of Critical Care Medicine, 1997, 2000-2003.
New Orleans Society of Echocardiography, 2000-present

Publications

Refereed Publications

Articles

Pellett, A.A., & Kerut, E.K. (2006). The Doppler velocity waveform. *Echocardiography, 23(6), 528-530.*

Pellett, A.A., Tolar, W.G., Merwin, D.G., & Kerut, E.K. (2005). Doppler aliasing. *Echocardiography, 22(6),* 540-542.

Pellett, A.A., Welsh, D.A., deBoisblanc, B.P., Lipscomb, G., Johnson, R.W., Lord, K.C., & Levitzky, M.G. (2005). Low positive end-expiratory pressure does not exacerbate nebulized-acid lung injury in dogs. *J. Crit. Care, 20(1),* 97-105.

Pellett, A.A., Tolar, W.G., Merwin, D.G., & Kerut, E.K. (2004). Spectral Doppler instrumentation. *Echocardiography, 21(8), 759-761.*

Pellett, A.A., Tolar, W.G., Merwin, D.G., & Kerut, E.K. (2004) The Tei index: Methodology and disease state values. *Echocardiography, 21(7),* 669-672.

Pellett, A.A., & Kerut, E.K. (2004). The Doppler equation. *Echocardiography, 21(2),* 197-198.

Pellett, A.A., & Kerut, E.K. (2004). The Chiari network in an echocardiography student. *Echocardiography, 21(1),* 91-93.

deBoisblanc, B.P., **Pellett, A**., Johnson, R., Champagne, M., McClarty, E., Dhillon, G., & Levitzky, M. (2003). Estimation of pulmonary artery occlusion pressure by an artificial neural network. *Crit. Care Med. 31(1),* 261-266.

Pellett, A.A., Lord, K.C., Champagne, M.S., deBoisblanc, B.P., Johnson, R.W., & Levitzky, M.G. (2002). Pulmonary capillary pressure during acute lung injury in dogs. *Crit. Care Med. 30,* 403-409.

Pellett, A.A., Johnson, R.W., Morrison, G.G., Champage, M.S., deBoisblanc, B.P., & Levitzky, M.G. (1999). A comparison of pulmonary arterial occlusion algorithms for estimation of pulmonary capillary pressure. *Am. J. Respir. Crit. Care Med. 160,* 162-168.

Pellett, A.A., Cairo, J.M., & Levitzky, M.G. (1997). Hypoxemia and hypoxic pulmonary vasoconstriction: Autonomic nervous system vs. mixed venous PO_2. *Respir. Physiol*.,*109,* 249-260.

Lippton, H.L., **Pellett, A.**, Cairo, J., Summer, W.R., Lowe, R.F., Sander, G.E., Giles, T.D., Cohen, G., & Levitzky, M.G. (1989). Endothelin produces systemic vasodilation independent of the state of consciousness. *Peptides. 10(5),* 939-943.

Abstracts

Pellett, A., Welsh, D., deBoisblanc, B., Lipscomb, G., Johnson, R., Lord, K., Cairo, J., Zamjahn, J., & Levitzky, M. (2002). A new model for assessing ventilator-induced lung injury. *FASEB J. 16(5),* A410.

Pellett, A.A., Lord, K., Champagne, M.S., deBoisblanc, B.P., Johnson, R.W., & Levitzky, M.G. (2000). Pulmonary capillary pressure dynamics during acute lung injury. *FASEB J. 14(4),* A604.

deBoisblanc, B., Johnson, R., Pellett, A., Summer, W., & Levitzky, M. (1998). Estimation of pulmonary artery occlusion pressure (PAOP) by a neural network (NN). *Am. J. Respir. Crit. Care Med. 157(3),* A527.

deBoisblanc, B., Johnson, R., Pellett, A., Summer, W., & Levitzky, M. (1998). Pulmonary capillary pressure (PCP) measurement during mechanical ventilation (MV). *Am. J. Respir. Crit. Care Med. 157(3),* A527.

Johnson, R.W., Pellett, A.A., Morrison, G.G., Champagne, M.S., Levitzky, M.G., & deBoisblanc, B.P. (1998). Continuous estimation of pulmonary artery occlusion pressure by a neural network. *Crit. Care Med. 26(1),* A65.

Pellett, A., Johnson, R., Champagne, M., deBoisblanc, B., & Levitzky, M. (1998). Rapid versus slow inflation of pulmonary artery catheter balloon for determination of pulmonary capillary pressure in closed-chest dogs. *Crit. Care Med. 26(1),* A109.

Johnson,R., Pellett, A., Morrison, G., Champagne, M., deBoisblanc, B., & Levitzky, M. (1997). Continual pulmonary arterial wedge pressure estimated beat-to-beat by a neural network. *Proceedings of the 19th Annual Conference of IEEE/EMBS.*

Pellett, A., Johnson, R., Morrison, G., Champagne, M., deBoisblanc, B., & Levitzky, M. (1997). Correlation of single- and double-vessel occlusion for the determination of pulmonary capillary pressure in the closed-chest dog. *FASEB J. 11(3),* A470.

Morrison, G., Pellett, A., Bell, G., Champagne, M., deBoisblanc, B., & Levitzky, M. (1996). Correlation of single and double vessel occlusion for the determination of pulmonary capillary pressure in the closed chest dog. *Am. J. Respir. Crit. Care Med. 153(4),* A604.

Pellett, A., Cairo, J., and Levitzky, M. (1996). Elevation of mixed venous PO_2 maintains blood flow diversion from a hypoxic lung during hypoxemia. *FASEB J. 10(3),* A101.

Pellett, A., Cairo, J., and Levitzky, M. (1991). Muscarinic and beta-adrenergic receptors do not mediate the inhibition of hypoxic pulmonary vasoconstriction by hypoxemia. *FASEB J. 5(5),* A1429.

Cairo, J., Pellett, A., Lippton, H., Summer, W., Hyman, A., & Levitzky, M. (1989). In vivo effects of endothelin on vascular dynamics. *FASEB J. 3(3),* A878.

Professional Presentations

Poster Presentations at Professional Meetings

Pellett, A., Cairo, J., and Levitzky, M. (1991). Muscarinic and beta-adrenergic receptors do not mediate the inhibition of hypoxic pulmonary vasoconstriction by hypoxemia. Experimental Biology annual meeting.

Pellett, A., Cairo, J., and Levitzky, M. (1996). Elevation of mixed venous PO_2 maintains blood flow diversion from a hypoxic lung during hypoxemia. Experimental Biology annual meeting.

Pellett, A., Johnson, R., Morrison, G., Champagne, M., deBoisblanc, B., & Levitzky, M. (1997). Correlation of single- and double-vessel occlusion for the determination of pulmonary capillary pressure in the closed-chest dog. Experimental Biology annual meeting.

Pellett, A., Johnson, R., Champagne, M., deBoisblanc, B., & Levitzky, M. (1998). Rapid versus slow inflation of pulmonary artery catheter balloon for determination of pulmonary capillary pressure in closed-chest dogs. Society of Critical Care Medicine annual meeting.

Pellett, A.A., Lord, K., Champagne, M.S., deBoisblanc, B.P., Johnson, R.W., & Levitzky, M.G. (2000). Pulmonary capillary pressure dynamics during acute lung injury. Experimental Biology annual meeting.

Pellett, A., Welsh, D., deBoisblanc, B., Lipscomb, G., Johnson, R., Lord, K., Cairo, J., Zamjahn, J., & Levitzky, M. (2002). A new model for assessing ventilator-induced lung injury. Experimental Biology annual meeting.

Other Professional Presentations

Meausurement of pulmonary capillary pressure in the critically ill patient. Department of Physiology, Tulane University School of Medicine, New Orleans, LA, October 20, 1997.

Clinical measurement of pulmonary capillary pressure. Department of Physiology, LSU Medical Center, March 30, 1998.

Pulmonary capillary pressure dynamics. Department of Physiology, LSU Health Sciences Center, February 28, 2000.

Ventilator-induced lung injury: pulmonary endothelial involvement? Department of Physiology, LSU Health Sciences Center, April 1, 2002.

Grants and Contracts Funded

Pellett, A., Welsh, D., Lipscomb, G., & Johnson, R. Ventilator-induced lung injury and pulmonary endothelium. LSUHSC School of Allied Health Professions Small Grants Program. $5000. 2001-2002.

Major Areas of Research Interest

Modulation of hypoxic pulmonary vasoconstriction

Pulmonary capillary pressure measurement and modulation

Ventilator-induced lung injury

Current Courses Taught (June 1, 2005 to present)

Course Director: Cardiovascular Diagnostic Techniques; 6 credits
Course Director: Cardiovascular Clinics I; 3 credits
Course Director: Cardiopulmonary Physiology; 3 credits
Course Director: Ultrasound Physics and Instrumentation; 1 credit
Instructor: Management of Cardiopulmonary Conditions (Physical Therapy); 6 contact hours
Course Director: Special Topics in Cardiopulmonary Science – Echocardiography; 3 credits

Course Director: Specialized Field Experience – Echocardiography; 8 credits
Instructor: Nursing Physiology; 10 contact hours
Instructor: Dental Physiology; 6 contact hours
Instructor: Integrated Physiology course (graduate students); 13 hours
Instructor: Physiology lab (Medical students); 2 contact hours
Instructor: Allied Health Physiology; 10 contact hours

Previous Courses Taught (June 1, 2004 to May 31, 2005)

Course Director: Cardiovascular Diagnostic Techniques; 5 credits
Course Director: Cardiovascular Clinics I; 3 credits
Course Director: Cardiopulmonary Physiology; 3 credits
Instructor: Management of Cardiopulmonary Conditions (Physical Therapy); 6 contact hours
Course Director: Special Topics in Cardiopulmonary Science – Echocardiography; 3 credits
Course Director: Echocardiography; 4 credits
Course Director: Cardiovascular Clinics II; 3 credits
Instructor: Nursing Physiology; 10 contact hours
Instructor: Dental Physiology; 8 contact hours
Instructor: Basic Physiology Discussion (Physiology and Pharmacology graduate students); 2 contact hours
Instructor: Physiology lab (Medical students); 12 contact hours
Instructor: Allied Health Physiology; 10 contact hours

Thesis and Dissertation Committees

Member of project committee for Beth Hamilton; received MHS in December 1995

Member of project committee for John Zamjahn; received MHS in May 1996

Member of project committee for Kevin Lord; received MHS in August 2000.

Head of project committee for Tim Cordes; received MHS in December 2000.

Contributions to Refereed Publications

2003-2004 Referee, *Critical Care Medicine*

University

2003-2004 Faculty Senate

1991-2006 Faculty advisor/editor-in-chief, yearbook

School of Allied Health Professions

2004 Faculty Assembly, President

2003-2004 Faculty Assembly, Vice-president

2003-2004 Faculty Assembly delegate

1997-2000 Faculty Assembly delegate

Academic Committees/Organizations

University

2004 Faculty Handbook Committee

2001-2004 Residence Hall Committee

1995-2004 Chancellor's Advisory Committee on Security

1993 Chair, Student Development Services Ad Hoc Committee for Southern Association of Colleges and Schools Review

School of Allied Health Professions

2004 Faculty Productivity Documentation committee

2002-2004 Promotion and Tenure committee

2000-2001 Curriculum committee

1999-2005 Grants and Research committee

1997-2000 Academic Affairs committee

1997-2000 Promotion and Tenure committee

1991-1997 Honors committee

Department

1991-present Admissions committee

Public Service

Committees

2006 to present. FASE Committee, American Society of Echocardiography.

Other

New Orleans Society of Echocardiography

Awards

2001	Pfizer Award for Excellence in Research, Education, Patient Care and Community Outreach, LSU Health Sciences Center.
2005	Fellow of the American Society of Echocardiography
2006	Dr. Allen A. Copping Award for Excellence in Teaching, School of Allied Health Professions, LSU Health Sciences Center.