

CURRICULUM VITAE

Name: Cynthia A. Coffin-Zadai

Work Address: MGH Institute of Health Professions
36 1st Avenue
Boston, MA 02129, USA

Education:

1969 - 1973 Bachelor of Science: Certificate in Physical Therapy
Sargent College
Boston University
Boston, MA

1980 - 1982 Master of Science: Cardiopulmonary Physical Therapy
Boston-Bouve College,
Northeastern University,
Boston, MA

1999 Doctor of Science Degree (ABD)
Rocky Mountain University of Health Professions
Provo, Utah

2002 Doctor of Physical Therapy
MGH Institute of Health Professions
Boston, MA

Licensure and Certification:

1974 Massachusetts Registration #2513

1994 - 2007 Cardiopulmonary Clinical Specialist Certification
American Board of Physical Therapy Specialties

Current Position:

2001- present Clinical Associate Professor
Coordinator, Transitional Doctor of Physical Therapy Program
MGH Institute of Health Professions
Boston, Massachusetts

Hospital Appointments:

1973 - 1975 Staff Physical Therapist,
Chest Physical Therapy Department
Beth Israel Hospital,
Boston, MA

1975 - 1976 Staff Physical Therapist,
Coordinator PT Pulmonary Services
Faulkner Hospital
West Roxbury, MA

1976 - 1989 **Director, Chest Physical Therapy**
Beth Israel Hospital
Boston, MA

1990 - 1997 **Chief, Rehabilitation Services:** Chest Physical
Therapy, Physical Therapy, Occupational Therapy,
Orthopedic Technology
Beth Israel Hospital
Boston, MA

1997 - 1998 **Chief, Rehabilitation and Respiratory Care:** Chest
Physical Therapy, Physical Therapy, Occupational
Therapy, Orthopedic Technology, Respiratory Care,
Speech/Language Pathology
Beth Israel Deaconess Medical Center
Boston, MA

1999 - 2000 **Chief, Rehabilitation Services:** Chest Physical
Therapy, Physical Therapy, Occupational Therapy,
Orthopedic Technology, Speech/Language Pathology
Beth Israel Deaconess Medical Center,
Boston, Ma

Academic Appointments:

1977 - 1980 Clinical Faculty,
Boston University

1978 - 1980 Clinical Faculty,
Northeastern University

1980 - 1982 Adjunct Instructor,
Sargent College, Boston University:
Baccalaureate and Masters Programs

1983 - 1986 Visiting Lecturer,
Sargent College, Boston University

Academic Appointments:

Continued

1984 - 1985 Lecturer,
MGH Institute of Health Professions:
Graduate Program

1985 - 1986 Visiting Lecturer,
Washington University Medical School
Physical Therapy Program
St. Louis, Missouri

1985 - 2007 Assistant Professor,
MGH Institute of Health Professions

	Physical Therapy Graduate Program, Boston, MA
1986 - 1992	Adjunct Assistant Professor University of Southern California, Physical Therapy Program, Downey, CA
1987 - 2000	Associate Harvard Geriatric Education Center Harvard Medical School Boston, MA
1987 - 1988	Visiting Lecturer Georgia State University Physical Therapy Program Atlanta, GA
1994 - 2000	Clinical Instructor Department of Orthopedic Surgery Harvard Medical School Boston, MA
1998 - 2001	Specialty Tract Coordinator Cardiovascular and Pulmonary, Exercise Pathophysiology Program Rocky Mountain University of Health Professions Provo, Utah
2000	Visiting Professor; Finnish Physical Therapy Association, Terkku, Lahti, Helsinki, Finland
2000 - 2002	Accreditation Consultant Rocky Mountain University of Health Professions Provo, Utah
2008- Present	Clinical Associate Professor, Transitional Doctor of Physical Therapy Program MGH Institute of Health Professions Physical Therapy Graduate Program, Boston, MA

**Major Committee
Assignments:**

Academic:

1980-81	Curriculum Planning: Sargent College, Boston University Boston, MA
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1982-83	Graduate Committee: Boston-Bouve College, Northeastern University, Boston, MA
1984-present	Physical Therapy Program Committee: MGH Institute of Health Professions, Boston, MA
1986-87; 2006 - 2008	Grievance Committee: MGH Institute of Health Professions, Boston, MA
2000 – 2001	Admissions Committee: Professional Physical Therapy Program MGH Institute of Health Professions, Boston, MA
2000	Interdisciplinary Curriculum Committee MGH Institute of Health Profession, Boston, MA
2000 – 2001	Distance Learning Committee MGH Institute of Health Professions, Boston, MA
2002	Summer Use Task Force, MGH Institute of Health Professions, Boston, MA
2002- 2004	Ionta Committee MGH Institute of Health Professions, Boston, MA
2004	Faculty Advisor to the Alumni Program Committee: MGH Institute of Health Professions, Boston, MA
2001-Present	Post Professional Admissions Committee/Co-Chair MGH Institute of Health Professions, Boston, MA
2006 – 2009	PT Program Awards Committee MGH Institute of Health Professions, Boston, MA
2006	Faculty Development Work-plan Assessment Task Force. MGH Institute of Health Professions, Boston, MA
2008 - 2010	NEASC Sub-Committee: Chapter 5, (Chair) MGH Institute of Health Professions
2008 - 2009	Strategic Planning Committee MGH Institute of Health Professions
2008 - 2009	Faculty Positions Committee MGH Institute of Health Professions
2009 - 2010	Faculty Task Force on Governance: MGH Institute
2009 - 2010	Academic Council/ MGH Institute, Boston, MA
2009 - 2010	Academic and Student Affairs Committee/ Board of Trustees/ MGH Institute, Boston, MA
2010 - 2013	Governance and Academic Policies Committee, MGH-IHP
2010 - 2012	PT Program Awards Committee, MGH – IHP

2010

PT 25th Anniversary Committee, MGH-IHP

2010 - 2011

Faculty Search Committee

2010 - 2013

Faculty Senate, MGH-IHP

Hospital:

1976	Respiratory Care Committee Faulkner Hospital, West Roxbury, MA
1978	Continuing Education: Allied Health Committee, Beth Israel Hospital, Boston, MA
1980	Committee for Review of Respiratory Legislation Beth Israel Hospital, Boston, MA
1982-89	Administrators Forum Beth Israel Hospital, Boston, MA
1988-90	Lung Transplant Forum Brigham and Women's Hospital, Boston, MA
1989	Concepts Committee Administrative Division Beth Israel Hospital, Boston, MA
1990-92	Medical Advisory Committee: "Be Well" Program, Beth Israel Hospital, Boston, MA
1991-92	MCA Facility Planning Committee, Beth Israel Hospital, Boston, MA
1992	"Be Well" Program Planning Committee Beth Israel Hospital, Boston, MA
1992-93	Cardiothoracic Program Planning Task Force, Beth Israel Hospital, Boston, MA
1994-1998	Quality Council Beth Israel Deaconess Medical Center, Boston, MA

Professional Societies:

	American Physical Therapy Association (APTA)
1976-present	
1979	Representative to Hearing Committee on Proposal 745, Medicare Reimbursement for Respiratory Therapy, HCFA Office, Baltimore, MD
1982	Item Writer APTA Competency Project, San Diego, CA
1982-83	Task Force Definition of Physical Therapy, Washington, DC
1983-87	APTA Liaison to the American Thoracic Society

1987-95	Cadre of Individuals; Post Baccalaureate Entry Level Transition In Physical Therapy
1989-93	APTA Liaison to American College of Chest Physicians; Allied Health Care Committee
1989-91	Research Planning Task Force: APTA
1990-92	Foundation for Physical Therapy, Banquet Committee
1992-1998	APTA Representative to the JCAHO Hospital Professional Technical Advisory Committee (PTAC)
1992- 94	Health Care Reform Work Group APTA
1992-Present	Manuscript Reviewer: Physical Therapy
1994	Abstract Review Committee: World Congress of Physical Therapy
1995-98	Project Advisory Committee, Physical Therapy Practice Parameters Project
1997	Content Bank of Expert Item Writers: American Board of Physical Therapy Specialties
1997-2001	Reference Committee, APTA House of Delegates (Chair 99-01)
1998-1999	JCAHO Medical Staff Chapter Work Group
1998-2001	The Guide to Physical Therapist Practice; Volume III Project Group
2001- 2005	American Board of Physical Therapy Specialties: (Chair 03 – 04)
2003- 2006	Catherine Worthingham Review Committee
2005-2007 and 2008-09	Catherine Worthingham Fellows Program Committee: Chair
2005- 2007	Task Force on Governance Structure for APTA
2006 - 2007	Foundation for Physical Therapy: On-Line Auction Committee
2008 - 2009	APTA Strategic Planning Task Force
2009 - 2010	APTA Task Force to review Catherine Worthingham Fellows criteria for Appointment/Election
2009 - 2011	Organizational Governance Review Task Force: APTA
2011 - 2012	Core Group: Governance Review Task Force

2011 - 2012 Chair, House of Delegates Sub-Group, APTA Governance
Review Task Force
Board Work Group: Governance Review, APTA
2012
2012 Guide Reviewer: Editorial Revision and Integration of the ICF

1976-present **Cardiopulmonary Section: American Physical Therapy Association**

1978-84 Newsletter Committee,
Chairman 1979-84
1979-81 Specialization Competency Task Force
Legislative Committee
1980-82
1982 Cardiopulmonary Section Delegate
APTA House of Delegates
1982-1987 Cardiopulmonary Specialty Council:
Developed Board Certification Process for Cardiopulmonary
Specialists in Physical Therapy
Fundraising Committee,
1987-1992 Cardiopulmonary Section, Dance Chairman
Abstract writer: Cardiopulmonary Record
1988-95
Abstract editor: Cardiopulmonary Record
1995-2001
2011 - 2012 Diagnosis Task Force: Cardiopulmonary Section

1976-present **Massachusetts Chapter: American Physical Therapy Association**

1983- 89 Massachusetts Physical Therapy - Political Action Committee,
Secretary
1984- 86 Education/Program Committee
Chairman
1984-91, 97 Chapter Delegate
APTA House of Delegates
1991 Conference Preparation Committee
1987-91
1993-96 Chief Delegate
Massachusetts Chapter, APTA House of Delegates
Massachusetts Chapter Nominating Committee
1997-2000

1980-2001 **American Thoracic Society, Associate Member**

1981-2000
Massachusetts Thoracic Society Member

Editorial Boards:

1979 - 1984
Editor-in-Chief,
Cardiopulmonary Quarterly,
Cardiopulmonary Section, APTA
Content Expert/Article and Book Reviewer:
1984 -1990
Physical Therapy, Journal of the APTA

1986
Guest Editor,
Cardiopulmonary Issues in Geriatric Rehabilitation
Topics in Geriatric Rehabilitation, 2:1/86

1990 - present
Content Expert Manuscript Review:
Physical Therapy

1992 - 2001
Editorial Board,
Cardiopulmonary Record

1996 - 2000
Editorial Board
Physical Therapy in Perspective, CV Mosby Publication

1999 - 2001
Project Editor/Parts One and Two;
Guide to Physical Therapist Practice

Awards and Honors:

1972-1973
President's Host,
Boston University, Boston, MA

1973
Senior Service Award,
Sargent College, Boston University

1986
Merit Award Recipient,
Cardiopulmonary Section, APTA

1987
Graduation Speaker,
West Virginia University,
School of Allied Health, Physical Therapy Program

1992
Lucy Blair Service Award,
American Physical Therapy Association

1993
Mary McDonald Distinguished Service Award,
Massachusetts Chapter, APTA

1997
Charles Magistro Keynote Speaker – "Professionalism"
Arcadia University PT Program

2001
Catherine Worthingham Fellow of the APTA

2002, 2004, 2006, 2009
Partners in Excellence Award,
MGH Institute of Health Professions, Boston, MA

2004	John P. Maley Lecturer, APTA Annual Conference, Chicago, Illinois
2004	Ionta Lecturer, MGH Institute of Health Professions, Boston, MA
2008	University of Pittsburgh, Rosemary Scully Scholar, Pittsburgh, PA
2008 - 2010	Faculty Chair Elect and Faculty Chair, MGH Institute of Health Professions, Boston, MA
2010	Graduation Speaker, Washington University Medical School, Program in Physical Therapy St. Louis, MO

Clinical Research Projects:

- A comparison of Forced Vital Capacity (FVC) and Maximal Mid-expiratory Flow (MMEF) in patients with median sternotomy versus lateral thoracotomy. Denise F. Patrick, C. Zadai
- The relationship between chest physical therapy and hypoxemia in the neonate with meconium aspiration syndrome. Mary C. Bourgeois, C. Zadai
- Predictors of post-extubation ability to clear pulmonary secretions. A.Sciacky, C. Zadai, C. Kigin
- The effect of bronchopulmonary hygiene and inhaled sympathomimetics on airflow in patients with stable chronic airways obstruction. Patti Jo Rainha, C. Zadai
- The effect of the trendelenburg position on oxygen saturation in obese patients following upper abdominal surgery. Mauo-Ying Bien, C. Zadai, T. Michel
- Does the addition of inspiratory muscle training to the weaning regimen of ventilator dependent patients decrease total weaning time? Claudia Levenson, C. Zadai
- A comparison of incentive spirometry to sustained maximal inspiration in the prevention of post-operative pulmonary complications. Judy Keith, C. Zadai, C. Kigin
- Can a single administration of the six minute walk test be a reliable objective measure of function in the COPD population? Suh Jen Lin, C. Zadai
- Does the peak expiratory flow rate in stable asthmatic children vary significantly during a week of residential summer camp? Stella A. Fink, C. Zadai, C. Kigin
- Analysis of the reliability of clinical chest wall mobility measurements. Tina Nebhnani, C. Zadai, T. Michel

- Walk distance and dyspnea in COPD: Use of a rolling walker. Mark T. Lareau, C. Zadai, D. Krebs
- A comparison of post-op pulmonary complications secondary to aspiration during extubation using a controlled and non-controlled procedure. Nancy Goode, C. Zadai, A. Guccione
- The effectiveness of physical therapy pre-operative teaching on increasing the number and duration of chest physical therapy treatments to cardiac surgical patients. Brian Roy, C. Zadai, A. Guccione
- The quality of life effects after training in patients with end-stage renal disease. Janet E. Gilday, C. Zadai, L. Portney
- Maximal inspiratory pressure as a predictor of 6 minute walk test distance in COPD. Ashwag Ali Hassani, C. Zadai, C. Kigin
-
- Predictability of Diffusing Capacity and FEV₁ for the Six Minute Walk Test. Jatuporn Wongsathikun, C. Zadai
-
- The Relationship Among RPE, FEV₁ and Distance Walked in COPD Patients Using Bronchodilators and Steroids. Hsueh-Fang Lan, C. Zadai
-
- Diagnostic Data Collection Patterns of Physical Therapists Managing In-Patients with CHF and COPD. Raina Ramparia, C. Zadai, AB Klein
- Pulmonary Rehabilitation Diagnoses, Interventions and Outcomes: A Case Series Ajit Sahnke, T Michel, C. Zadai
- Physical Therapist Diagnostic Classification of Patients with Primary Oncologic Pathology. Abha Bansal, C. Coffin-Zadai, AB Klein
- Physical Therapist Diagnostic Classification of Movement System Impairments in Hospitalized Acute Care Patients. Nidhi Shah, C. Coffin-Zadai, AB Klein
- Examination and diagnostic classification by physical therapists. Manali Kadam, C. Coffin-Zadai, AB Klein

Scientific and Professional Presentations:

- 1978 "Chest Physical Therapy in the Recovery Room,"
Massachusetts Anesthesia Society Annual Meeting, Newton, MA
- 1979 "Care of the Chronic Obstructive Pulmonary Disease Patient,"
Massachusetts Lung Association, Boston, MA
- "Atelectasis, Research and Treatment",
American Physical Therapy Association,
Annual Conference, Atlanta, GA
- "Chest Physical Therapy for the Surgical Patient",
American College of Surgeons,
Annual Conference, Chicago, IL
- 1980 "Chest Physical Therapy, Rehabilitation of the Patient with
COPD,"
Massachusetts Thoracic Society,
Annual Conference, Framingham, MA
- 1981 "Care of the Ventilated Patient,"
American Physical Therapy Association,
Combined Sections Meeting, Reno, NV
- "Breathing Exercises: An Historical Overview,"
American Physical Therapy Association,
Annual Conference, Washington, DC
- 1982 "Pulmonary Rehabilitation,"
New Hampshire-Vermont Association of Respiratory
Therapists,
Annual Conference, Concord, NH
- Chest Physical Therapy Management of the Critically Ill,"
American Physical Therapy Association, San Diego, CA
- 1983 "Chest Physical Therapy Evaluation and Treatment in the
Recovery Room,"
Massachusetts Nurse Anesthetists
Annual Meeting and Seminar, Boxborough, MA
- Pulmonary Rehabilitation of the COPD Patient,"
Mass Chapter, American College of Sports Medicine,
Boxborough, MA
- 1984 "Pathophysiology of COPD,"
American Physical Therapy Association,
Combined Sections Meeting, Houston, TX
- "Cardiopulmonary Rehabilitation for the Geriatric Patient,"
American Physical Therapy Association,
Combined Sections Meeting, Houston, TX

Scientific and Professional Presentations:

Continued

- 1984
- “Strength and Endurance Ventilatory Muscle Training in the COPD Patient,”
American Lung Association of Boston and Middlesex County, COPD Program, Waltham, MA
 - “Pathokinesiology - Clinical Implications,”
American Physical Therapy Association, Annual Conference, Las Vegas, NV
 - “Physical Therapy Management of the Pulmonary Patient,”
Missouri Chapter, American Physical Therapy Association, Annual Meeting, St. Louis, MO
 - “Chest Physical Therapy Manual Techniques, Destroying the Myths,”
Massachusetts Chapter, American Physical Therapy Association, Annual Meeting, Sturbridge, MA
 - “Cardiopulmonary Management of the Geriatric Patient,”
Pennsylvania Chapter, American Physical Therapy Association, Annual Meeting, Pittsburgh, PA
- 1985
- “Physical Therapy Specialization-Cardiopulmonary, “
Eastern District, Massachusetts Chapter, American Physical Therapy Association, Cambridge, MA
 - “Cardiopulmonary Specialization: The Process for Preparation,”
American Physical Therapy Association, Combined Sections Meeting, Orlando, FL
 - “Establishing and Marketing Pulmonary Rehabilitation Programs,”
New England Cardiopulmonary Conference, Hyannis, MA
- 1986
- “Specialization: Why, How, When,”
Massachusetts Chapter, Winter Meeting, Framingham, MA
- 1987
- “Cardiopulmonary Clinical Specialization in Physical Therapy: Present Process and Future Implications”.
House of Delegates, National Society of Cardiopulmonary Technologists, Boston, MA
 - “Cardiopulmonary Changes with Aging: Exercise Prescription for the Geriatric Patient.”
Nursing Section, Mass Thoracic Society, Boston, MA
 - “Stress Testing, Exercise Prescription and Rehabilitation”,
Beth Israel Health Care Associates, Boston, MA
 - “Functional Evaluation of the Geriatric Individual, Postgraduate Continuing Education for Clinicians.
Georgia State University, Atlanta, GA

Scientific and Professional Presentations:

Continued

- 1987
- “Professional Issues: Post-Baccalaureate Entry Level and Specialization”.
Boston University, Boston, MA
- “Professional Issues Forum: Independent Practice and Specialization”.
Washington University,
Physical Therapy Program, St. Louis, MO
- 1988
- “Stepping Between Research and Practice”,
Postgraduate Continuing Education Program,
MGH Institute of Health Professions, Boston, MA
- “Physical Therapy: The Pulmonary System.”
Oklahoma Chapter, APTA, Annual Meeting, Oklahoma City,
OK
- “Presenting Yourself Professionally: The Interview Process.”
Professional Issues,
PT Program, Boston University, Boston, MA
- “The Limiting Factors in Exercise: Assessment and Prescription.”
Pennsylvania Chapter Meeting (APTA), Philadelphia, PA
- “Professional Issues in Post-Baccalaureate Entry-Level Education,
Massachusetts Chapter Meeting, Hyannis, MA
- “Mobilizing the Deconditioned Patient”, Rehabilitation and Geriatric Education Perspectives and Potential.
US Dept of Health and Human Services,
National Institute on Aging and US Dept of Education,
Arlington, VA
- 1989
- “Unique Needs of the Elderly: Exercise.”
Sunrise Seminar at the American Thoracic Society Annual Meeting., Cincinnati, OH
- 1990
- “Post Baccalaureate Entry Level, Where Are We?”
Luncheon Keynote:Private Practice Annual Meeting, Atlanta, GA
- 1991
- “Pathophysiology of Deconditioning.”
Annual Conference APTA, Boston, MA
- 1992
- “Assessment and Exercise Prescription for Cardiopulmonary Impairment in Geriatric Patients.”
Annual Conference APTA, Denver, CO
- “Post-Baccalaureate Entry-Level Education: A Mistake for PT?”
Clinical Administrators Forum,
Mass Chapter Annual Conference, Burlington, MA
- 1993
- “Professionalization of Physical Therapy, Considering Movement Science”.
Combined Sections Meeting, San Antonio, TX

Scientific and Professional Presentations:

Continued

- 1993 "Pulmonary Rehabilitation: The Physical Therapy Perspective".
NIH Pulmonary Rehabilitation Workshop
Heart, Lung, and Blood Institute and the National Center for
Medical Rehabilitation Research, Rockville Park, MD
- "Pulmonary Impairment, Functional Limitation and Disability."
Rehabilitation Medicine: Grand Rounds,
University of PA, Philadelphia, PA.
- 1994 "Restrictive Lung Disease: Physical Therapy Management".
Midwinter Meeting, APTA, New Orleans, LA
- "Assessment and Rehabilitation of the Patient with
Cardiovascular and Pulmonary Disease"
Massachusetts Chapter ACSM Conference.
- 1995 "Diagnosing and Classifying Functional Limitation and
Disability in patients with Cardiovascular and Pulmonary
Disease". Combined Sections Meeting, APTA, Reno, NV.
- "Case Conference: Physical Therapy Assessment and
Treatment of Cardiothoracic Trauma".
World Congress of Physical Therapy, Washington, D.C.
- "Evaluation and Treatment of Multisystem Impairment
Producing Cardiopulmonary Dysfunction"
Postgraduate Continuing Education Series,
Spaulding Rehab, Boston, MA
- 1996 "Restrictive Lung Disease: Physical Therapy Management"
Midwinter Meeting, Atlanta, GA
- "Grand Rounds: Assessing Clinical Competence in Physical
Therapy",
University of Pittsburgh Hospital System, Pittsburgh, PA
"Functional Rehabilitation in Geriatrics"
Partners Health Care System Rehab, "
Research and Practice Series", Boston, MA.
- "Structure and Process: How to Access your Professional
Association",
Mass Chapter Annual Meeting, Burlington, MA
- 1997 "Diagnosis: Classification of Cardiopulmonary Impairments,
Functional Limitations and Disabilities.
Combined Sections Meeting, APTA, Dallas, Tx
- 1998 "Diagnosing and Treating Cardiopulmonary Impairments in
patients with Neuromusculoskeletal Disorders".
APTA Mass Chapter, Western District Spring Program
- "Cardiopulmonary Care Conference: Guide to Physical
Therapist Practice.
APTA Annual Conference, Orlando FL

Scientific and Professional Presentations:

Continued

- 1998-99
Essentials in Applying the Guide to PT Practice to Your Practice.
Phoenix, Philadelphia, Chicago, San Francisco, Nashville, Boston
- 1999
“Integrating Cardiopulmonary Principles into Practice.”
Towne Physical Therapy, Ohio.
“Applying the Principles of Exercise Physiology to a Patient with Cardiovascular and Pulmonary Disease.”
New Hampshire Society for Cardiovascular and Pulmonary Rehabilitation, NH
“Clinical Case Perspective: Management of a Patient with Multi-system Impairment:
Annual Conference, APTA, Washington, DC
“Guide to the Clinician You Want To Be.
Annual Conference., APTA, Washington, DC
- 2000
Visiting Professor; Finnish Physical Therapy Association, Terkku, Lahti, Helsinki, Finland
PT Management of Cardiopulmonary Impairment;
APTA Annual Conference
Standardization of the Physical Therapy Examination Process;
Guide to PT Practice 2nd Edition. New York PT Association, NY
- 2001
Professionalization of Physical Therapy; The Guide to PT Practice
Kentucky Private Practice PT's, KY
Guide to Physical Therapist Practice, Second Edition.
Rehabilitation Grand Rounds, Brigham and Women's Hospital, Boston, MA
- 2002
Using the Guide in Everyday Practice;
NY Chapter, APTA Annual Meeting.
Examination and Diagnosis of Impairment in Older Adults,
NY Chapter, APTA, Annual Meeting
- 2003 - 2004
Pursuing Specialization in Physical Therapy:
APTA Annual Conference
- 2004
Disabling our Diagnostic Dilemma: John P. Maley Lecture
APTA Annual Meeting, Chicago, IL
- 2005
Moving from Re-Certification to Continuing Competence:
ABPTS
CSM, New Orleans, LA

Scientific and Professional Presentations:

Continued

- 2006 Physical Therapy Management of Cardiopulmonary Impairment.
The Montana Geriatric Education Center Teleconference: Managing Chronic Illness. Missoula, Montana
- 2006 Using the Guide to PT Practice as the Basis for Professional PT Curriculum.
University of Rhode Island: Faculty Development
- 2006 Contemporary Management of Acute Cardiopulmonary Impairments:
Grand Rounds, National Institutes of Health, Washington, DC
- 2007 Defining the "x" in PT Diagnosis,
APTA Annual Meeting, Denver, Colorado
- 2008 History and Evolution of Diagnosis in Physical Therapy:
Combined Sections Meeting, APTA
- 2009 Diagnosis: A Panel Discussion
APTA Annual Conference, Baltimore, MD
- 2010 Diagnosis Dialog: Defining Movement Related Syndromes for Women's Health, Combined Sections Meeting. San Diego, CA
- 2010 Diagnosis Dialog: History and Progression of Movement Impairment Syndromes, APTA Annual Mtg. Boston, MA
- 2011 Diagnosis Dialog: Defining Movement Related Syndromes for Cardiovascular and Pulmonary Disorders. APTA Combined Sections Meeting, New Orleans, LA
- 2012 Diagnosis Dialog: Classification of Multi-System Impairments, APTA Combined Sections Meeting, Chicago, IL

Bibliography:

- Zadai CC: Preoperative respiratory care and assessment of pulmonary risk. *Respiratory Care of the Surgical Patient* (abstract), 1979
- Zadai CC: Chest Physical Therapy. In: Respiratory Intensive Care Nursing, ed 2. Boston, MA Little Brown Co., 1979 pp 205-229
- Zadai CC: Physical therapy for the acutely ill medical patient. *Phys Ther* 61: 1746-1754, 1981
- Zadai CC, Kigin CM: Rehabilitation of the Pulmonary Patient. In: Clinical Sports Medicine. Lexington, MA, The Collamore Press, 1983, pp 139-160
- Zadai CC: Pulmonary rehabilitation for the geriatric patient. In: The Aging of America: The Challenge to Rehabilitation. In: *Cardiopulmonary Physical Therapy.* St. Louis, MO, CV Mosby, 1985, pp 367-381

- Zadai CC: Pulmonary Physiology of Aging: The role of rehabilitation. Topics in Geriatric Rehabilitation 1:1 pp 49-57, 1985
- Zadai CC: Pathokinesiology: The clinical implications for cardiopulmonary physical therapy. Phys Ther 66: 368-371, 1986
- Zadai CC: Cardiopulmonary Issues in the Geriatric Population: Implications for rehabilitation. Topics in Geriatric Rehabilitation. 2:1, pp 1-9, 1986
- Zadai CC: Prescribing exercise for the geriatric individual. Cardiopulmonary Record Vol. 2 #1, 1987
- Catlin PC, Zadai CC, Blessey RB: Cardiopulmonary Patient Care Competency, revised edition, ABPTS, 1987
- Catlin PC, Zadai CC, Blessey RB: Certification of Physical Therapy Clinical Specialization in Cardiopulmonary Care. (abstract) In Proceedings, World Congress of Physical Therapy, Australia, 1987

Bibliography: Continued

- Zadai CC: Exercise Conditioning for Pulmonary Rehabilitation. In: Current Respiratory Care. Kacmarek, R and Stoller, J eds. B.C. Decker, Toronto, 1988
- Bien MY, Zadai CC, Kigin CM Effect of selective postural drainage positions on oxygen saturation in obese post-operative upper abdominal surgical patients. (abstract) Am Rev Respir Dis 137 (4) April, 88
- Zadai CC: Pulmonary Pharmacology. In: Physical and Occupational Therapy: Drug Implications for Practice. Malone, T ed. Lippincott, Philadelphia, 1989.
- Zadai CC: Mobilizing the deconditioned patient. (abstract) In Proceedings: Rehabilitation and Geriatric Education: Perspectives and Potential. USDHHS, Rockville, MD, 1989.
- Irwin SC and Zadai CC: Cardiopulmonary Rehabilitation of the Geriatric Patient. In: Aging, Health Care's Challenge. F.A. Davis, Philadelphia, PA, 1989.
- Zadai CC: Therapeutic Exercise for Pulmonary Disease. In: Therapeutic Exercise (5th Ed.). Williams and Wilkins, Baltimore, MD, 1989.
- Zadai CC: Pulmonary Rehabilitation. In: Cardiopulmonary Physical Therapy (2nd Ed.). CV Mosby, St. Louis, MO, 1989
- Zadai CC: Cardiopulmonary Aging and Exercise. In: Respiratory Care: International Perspectives in Physical Therapy. 7. Churchill Livingstone, London, 1991.
- Schwartzstein RM, Zadai CC: Can exercise help in COPD? Your Patient & Fitness 6:2, 1992.
- Zadai CC: Pulmonary Management in Physical Therapy. Churchill Livingstone, New York, 1992.
- Bien MY, Zadai CC, Kigin CM, Hoaglin D The effect of selective drainage positions on oxygen saturation in obese patients after upper abdominal surgery. Chin Med J 51: 183-192, 1993

- Zadai CC, Irwin SC, Kigin CM: Movement science as a basis for teaching management of cardiopulmonary problems. Jour PT Educ 7:1, 1993.
- Zadai, CC: Cardiopulmonary Physical Therapy. In: Pulmonary Rehabilitation: Lung Biology in Health and Disease. Fishman, A. (Ed), Marcell Dekker, Inc., Toronto, Ontario, 1996.
- Jette, Manago, Medved, Bourgeois, Nickerson, Wazycha, Zadai: The Disablement Process in Patients with Pulmonary Disease. PhysTher, 77:4, 1997
- Zadai, CC The Mainstreaming of Cardiac and Pulmonary Rehabilitation. Phys Ther Perspec, 2:5, 1998.
- Bourgeois, MC and Zadai, CC Impaired ventilation and respiration in the older adult. In Guccione AA ed. Foundations of Geriatric Physical Therapy. Mosby, St. Louis, London 2000.
- Bates, AL and Zadai, CC. Acute care physical therapist evaluation and intervention for an adult after right hemispherectomy. Physical Therapy: 83:6, June 2003
- Zadai, CC Disabling our Diagnostic Dilemmas. Phys Ther 87:6 June 2007
- * Zadai, CC Invited Commentary: *Physical Therapy May 2010 vol. 90 no. 5 705-706*
- * Zadai, CC Invited Commentary: *PHYS THER June 2011 vol 91:919-921*

Teaching Experience:

Courses Developed and Taught:

1978-91	"Chest Physical Therapy for the Practicing Therapist." Course developer and director for a week long continuing education program for graduate physical therapists. Beth Israel Hospital, Boston, MA
1979	"Respiratory Care Course." Course developer and lecturer for a one semester graduate level course in the Basic Masters program. Boston University, Boston, MA
1980	"Chronic Obstructive Pulmonary Disease: The Therapist and The Patient." Course developer Southern Maine University, Portland, ME
1980-82	"Physical Therapy for the Pulmonary Patient", Course developer and instructor for a semester long required course at the undergraduate level. Sargent College, Boston University, Boston, MA

- 1982-83 "Cardiopulmonary Pathophysiology."
Co-developer and instructor for a semester long graduate level course.
Northeastern University, College of Human Developer
Boston, MA
- 1983 "Chest Physical Therapy Management of the Critically Ill Patient."
Co-developer and instructor for summer seminar series.
MGH Institute of Health Professions, Newport, RI
- 1984 "Cardiopulmonary Pathophysiology."
Co-developer and instructor for semester long graduate level course. MGH Institute, Boston, MA
- Continued...**
- 1984-85 "Chest Physical Therapy Management of the Pulmonary Patient."
Course developer, director and instructor for a four day continuing education symposium, comprised of lectures and labs for graduate physical therapists.
Continuing Education Associates, Atlanta, GA
- 1985-87 "Physical Therapy Evaluation and Treatment of the Cardiopulmonary Patient."
Co-developer and instructor for a three day continuing education symposium including lectures and workshops.
Continuing Education Associates, Atlanta, GA
- 1985-86 "Physical Therapy Management of the Pulmonary Patient."
Course developer and instructor for a week long segment of lectures and labs, developed for the undergraduate physical therapy students.
Washington University, St. Louis, MO
- 1986 "Pulmonary Evaluation Methods." Course developer and instructor for a three day program for under-graduate physical therapy students.
Washington University, St. Louis, MO
- 1986-92 "Physical Therapy Management of the Pulmonary Patient."
2 week program for physical therapy entry level/master's students,
U.S.C., Los Angeles, CA
- 1987 Clinical Pulmonary Symposia:
A series of four clinical lectures developed and taught for the Southern California, Downey, CA
- 1987 "Cardiopulmonary Rehabilitation."
A full week of lecture and lab to cover pulmonary physical therapy evaluation and treatment.
Undergraduate PT students, Georgia State University,
Atlanta, GA

1988 "Multisystem Changes in the Aged: Physical Therapy Assessment and Management."
Co-developer and Instructor for a semester long graduate level course
MGH Institute of Health Professions, Boston, MA

1990 "Physical Therapy Evaluation and Treatment."
Two weeks of lecture/labs to cover pulmonary management for undergraduate PT students,
West Virginia University, Morgantown, WV

1991-94 "Exercise Pathophysiology."
Developer and Instructor, semester long graduate course,
MGH Institute of Health Professions, Boston, MA

1992-1999 "Diagnosis and Treatment of Cardiopulmonary Impairment in the Movement System"
Course developer and coordinator of this 4 day postgraduate continuing education program.
Beth Israel Hospital and taught by staff members/experts in Cardiopulmonary PT.

1994 Management of Patients with Cardiopulmonary Dysfunction from the ICU to Home Care.
MGH Institute of Health Professions, Boston, MA

Courses Developed and Taught:

Continued

1994 - 2004 Clinical Exercise Physiology,
MGH Institute of Health Professions, Boston, MA

1998 Course Curriculum for Doctor of Science in Physical Therapy; Exercise Pathophysiology Track;
Rocky Mountain University of Health Professions

2000 Cardiovascular and Pulmonary Changes of Aging: Impact on Movement and Movement Disorders;
Rocky Mountain University of Health Professions

2001-present Comprehensive Case Analysis; Transitional DPT Capstone Course
MGH Institute of Health Professions

2003 - present Principles of Evidence Based Practice; Post-Professional PT
MGH Institute of Health Professions

2006 Clinical Exercise Pathophysiology: Post-Professional PT On-Line Course
MGH Institute of Health Professions

2007 - 2012 Evaluation and Management of Cardiovascular and Pulmonary Disorders: Professional DPT Curriculum
MGH Institute of Health Professions

Courses participated in as a Lecturer:

1976 - 1982	“Chest Physical Therapy Management of the ICU Patient,” Intensive Care Seminars, Beth Israel Hospital, Boston, MA
1977 - 1979	“Care of the Ventilated Patient,” Nursing Education and Research Seminar Series, Beth Israel Hospital, Boston, MA
1977	“Positioning and Pulmonary Care,” Pulmonary Care Series, Huntington General Hospital, Jamaica Plain, MA “Chest Physical Therapy: Evaluation and Treatment Techniques,” Respiratory Care Lecture Series, South Shore Hospital, Weymouth, MA “Pulmonary Physical Exam,” Respiratory Symposium Lecture Series, Melrose Wakefield Hospital, Melrose, MA “Thoracic Physical Exam,” Nursing Education and Research Seminar Series, Beth Israel Hospital, Boston, MA
1977 - 1978	“Pathophysiology of Respiratory Failure,” HMS II level course, Harvard Medical School, Boston, MA
1978 - 1979	“Pre and Post Operative Care of the Surgical Patient,” Intensive Care Seminar Series, Beth Israel Hospital, Boston, MA
1978 - 1992	“Chest Physical Therapy for the Practicing Therapist,” CPT Department Seminar, Boston, MA
1978	“Interpreting Arterial Blood Gases,” Nursing Education Respiratory Program, Winthrop, MA
1979	“Pre and Post Operative Care of the Cardiac Surgical Patient,” Physical Therapy Continuing Education Series, Veteran’s Administration Hospital, West Roxbury, MA
	“Principles and Practices of Chest Physical Therapy,” Nursing Education Series, Boston City Hospital, Boston, MA
	“Treatment of the Patient with Chronic Lung Disease,” Respiratory Therapy Continuing Education Program, Lynn Hospital, Lynn, MA
	“Respiratory Therapy for the Acute Adult,” Southern Maine University, Portland, ME
1981	“Pulmonary Rehabilitation, Chest Physical Therapy” American Lung Association of Boston, Newton Upper Falls, MA “Chest Physical Therapy for the Acutely Ill Medical Patient,” Respiratory Seminar, Glover Memorial Hospital, Needham, MA

Courses participated in as a Lecturer:

Continued

- 1981 "Breathing Exercises and Pulmonary Mechanics,"
Pulmonary Pathophysiology,
Graduate Physical Therapy Program,
Northeastern University, Boston, MA
- 1982 "Pathophysiology of the Pulmonary System,"
Educational Development Associates,
Critical Care Nursing Series, Waltham, MA
- "Physical Exam of the COPD Patient,"
Critical Care Nurses Consortium, Boston, MA
- "Chest Physical Therapy in the Intensive Care Unit,"
Educational Development Associates,
Critical Care Nursing Series, Waltham, MA
- 1982 - 1983 "Pathophysiology of Pulmonary Disease,"
Undergraduate Physical Therapy Program,
Boston University, Boston, MA
- 1984 "Physical Therapy Management of the Pulmonary Patient,"
Undergraduate Physical Therapy Program,
Boston University, Boston, MA
- "Physical Therapy Management of the Acutely Ill Pulmonary Patient,"
Physical Therapy Continuing Education Program,
SCOR Physical Therapy, Los Angeles, CA
- 1985 - 1988 "Applied Pulmonary Pathophysiology: Physical Therapy
Evaluation and Treatment,"
Undergraduate Physical Therapy Program,
Boston University, Boston, MA
- 1985 - 1990 "Cardiopulmonary Response to Stress: Respiratory
Physiology,"
Physical Therapy Graduate Program,
MGH Institute of Health Professions, Boston, MA
- 1986 Chest PT Management of the COPD Patient.
Anesthesia Lecture Series,
Beth Israel Hospital, Boston, MA
- 1987 Pulmonary Rehabilitation: Evaluation and Treatment
Programs:
Physician's Continuing Education; Medical Program.
Veteran's Administrative Hospital, Boston, MA
- Breathing Mechanics, Body Position & Skeletal Muscle
Training in Physical Therapy,
Anesthesia Continuing Education Lecture Series,
Beth Israel Hospital, Boston, MA

Courses participated in as a Lecturer:

Continued

1987 - 1988	The Pulmonary Process of Aging: Anatomic and Physiologic, MGH Institute of Health Professions, Graduate Program, Boston, MA
1987 - 1992	PT Prep: An evening lecture series designed to prepare new graduate and foreign trained physical therapists to take the licensure exam.
1988	Pulmonary System as a Limiting Factor in Exercise, Department of Anesthesia, Continuing Medical Education Series, Beth Israel Hospital, Boston, MA
1988 - 1992	Post-Baccalaureate Entry Level Education: A change for Physical Therapy. Professional Issues in Physical Therapy, Basic Master's Program. Boston University, Boston, MA
1993	Professional Issues in Physical Therapy. Basic Master's Program. Simmon's College, Boston, MA
1993 - 95	Cardiopulmonary Evaluation and Treatment. Physical Therapy Program. West Virginia University, West Virginia.
1995 - 1997	Cardiopulmonary Management in Physical Therapy, Physical Therapy Program University of Miami, Florida
1996 - 1997	Administrative Clinical Decision-Making. Physical Therapy Program, MGH Institute Of Health Professions, Boston, MA
1997 -2008	Foundations of Clinical Assessment in Physical Therapy, Graduate Program in PT MGH Institute of Health Professions.
1997 - 2008	Fundamentals of Physical Therapy, Graduate Programs in PT. MGH Institute of Health Professions.
1998	Cardio Thoracic Anatomy: Cadaver Dissection. MGH Institute of Health Professions.
1999- 2008	Cardiopulmonary Clinical Testing: A Lab Course. MGH Institute of Health Professions
2000 - 2006	Diagnostic Screening for PT's: MGH Institute of Health Professions, Boston, MA

Courses participated in as a Lecturer:

Continued

2004 - 2006

Pulmonary Pharmacology for Physical Therapists

2003 - 2006

Planning Your Professional Development:
Simmons College, Boston, MA

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Management of Multi-System Impairments
MGH-IHP, Boston, MA