Visit the Exhibit Hall to have your questions answered by industry experts, discover the latest advancements in physical therapy products, and get hands-on demonstrations. You'll find hundreds of booths full of the most innovative equipment, technology, and information, all designed to make you and your practice more effective! See evaluation, exercise, and electrotherapy equipment; ambulatory aids, prosthetic and orthotic devices, electrophoresis equipment, general equipment and supplies, publications, and computer programs. You'll also find APTA's Resource Center full of publications, logo wear, and practice essentials. Be sure to stop by the newly expanded Career Center for professional opportunities such as resume review, employment opportunities, and more! All of this, you'll be able to purchase products directly in the exhibit hall and take them home to use right away! Check our Web site at www.apta.org for a current list of exhibitors.

Exhibit Hall Hours
Thursday, June 9
11:00 am–4:30 pm
Friday, June 10
10:30 am–4:30 pm
Saturday, June 11
10:30 am–1:00 pm

Whether you follow in the footsteps of Paul Revere or the path of the Freedom Trail, Boston offers slices of history and culture at every turn. From the history and architecture of downtown Boston Common to the wealth of colonial-era sights, Boston bills itself as America's Walking City, and walking is the easiest way to get around. Discover the redeveloped Quincy Market to Beacon Hill and experience the city's many shops, cafes, ethnic enclaves, and historic charms. Boston is home to hundreds of the finest attractions, restaurants, shopping, and cultural offerings in the country. Enjoy this historic city when you attend this year's PT 2005 in Boston!
Exercise: Foundation Funding: Movement System Fitness: Special Focus: Pharmacology

SPECIAL EVENTS
Opening Ceremonies & Reception
Wednesday, June 8, 5:30 pm–6:30 pm
The McMillan Lecture
Thursday, June 9, 4:30 pm–5:30 pm
Honors and Awards Recognition Ceremony
Friday, June 10, 4:30 pm–5:30 pm
The Malay Lecture
Saturday, June 11, 10:00 am–11:00 am

Featured Keynote Speaker
Doris Kearns Goodwin!
Wednesday, June 8, 5:30 pm
John & Hyacinth Rincon Center

Doris Kearns Goodwin, world-renowned historian, has been reporting on politics and public life for over two decades. Mrs. Goodwin is the author of several books and has written for looking at new and revelations. She is a commentator for ABC and a consultant and on-air expert for PBS documentaries on Franklin D. Roosevelt, the Kennedy Family, Franklin Roosevelt, and Lyndon B. Johnson. She is writing a monumental work dedicated to the life of President Abraham Lincoln, which has already been optioned for the filming of a major motion picture by Warner Brothers.

PT 2005, APTA’s Annual Conference and Exposition, is the national event for physical therapy—featuring advanced programming presented by professionals in the field. Physical therapy professionals come from all around the world to get the latest information, network with colleagues, visit the Exhibit Hall, learn cutting-edge techniques, and earn continuing education credits. Plus, this year’s seven Concentrated Education Series (CES) courses will help you expand your area of study.

More than 3,000 physical therapy professionals will attend the Annual Conference and Exposition—professionals like you who are looking for ways to enhance their careers, market themselves, and learn new techniques. PT 2005 attendees are actively seeking new ideas and solutions to fill their practice needs. They know they’ll find answers at PT 2005.

PT Diagnosis and Evidence: PT 2005

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Plenary Sessions

Opening Ceremonies and Keynote Address
Wednesday, June 8
5:30 pm–7:00 pm

Presidential Address
Speaker: Ben F Massey, Jr, PT, MA
President Massey will highlight the advances and challenges to the profession of physical therapy and the work of the Association.

Opening Reception
Wednesday, June 8
7:00 pm–8:30 pm

The McMillan Lecture—Never Satisfied
Thursday, June 9
4:30 pm–5:30 pm
The McMillan lecture is APTA’s highest honor. APTA is proud to welcome the 36th McMillan lecturer, Rebecca L Craik, PT, PhD, FAPTA. Craik is a professor and chair of the Physical Therapy Department at Arcadia University in Pennsylvania and holds an adjunct associate professorship in the Department of Neurology at the University of Pennsylvania, School of Medicine, and an adjunct assistant professorship in the Bio-engineering Program at Drexel University. She has served for 20 years on the Editorial Board of Physical Therapy, longer than any other person in the Journal’s history, and has served as acting co-editor and deputy editor. Additionally, for the past six years, she served on the Foundation for Physical Therapy Board of Trustees and was instrumental in the development, implementation, and fundraising for the Foundation’s largest project, the Clinical Research Network.

The Maley Lecture—There’s No Place Like Home—Providing Care for Underserved Older Adults
Saturday, June 11
10:00 am–11:00 am
Jennifer M Bottomley, PT, MS, PhD is a consultant specializing in the establishment of rehabilitation services in nursing homes and outpatient, home, and community settings in the Northeast and Pacific Northwest. She is the current president of the APTA Section on Geriatrics and also serves on advisory boards for the Office of the Surgeon General and the Office on Women’s Health in the Department of Health and Human Services. In addition, she has practiced in acute care, home care, outpatient clinics, nursing homes, and long-term care facilities for more than 30 years.

Honors and Awards Recognition Ceremony
Friday, June 10
4:30 pm–6:30 pm
Newly elected Catherine Worthingham Fellows of APTA and 2005 Association Award recipients will be honored at the Honors and Awards Recognition Ceremony. Don’t miss this opportunity to applaud your colleagues’ achievements.

For more information see APTA’s Web site at www.apta.org
Back by popular demand!

The CES has expanded to seven (7) areas of study for PT 2005:

- Balance and Falls
- Business in Physical Therapy Practice
- Cervical Spine Disorders
- Differential Diagnosis
- Movement System Impairment
- Pediatrics/Motor Control
- Scholarship of Teaching/Learning and Assessment

Attend five integrated education sessions on one of the seven areas of study, track your attendance, and earn a CES certificate of study worth 1.5 CEUs. All sessions are at the intermediate or advanced level and are taught by leading experts in the area of study. Network with colleagues who share your practice interests, earn a certificate of completion in a concentrated area, and enjoy all the benefits of attending PT 2005.

The CES is designed to:

- Provide advanced-level, integrated, evidence-based educational sessions that address all aspects of the patient/client management model.
- Provide networking opportunities for members with similar clinical practice interests.
- Provide recognition for completion of a concentrated area of study with a certificate for a designated number of CEUs.

Most courses are open to all PT 2005 attendees. Only physical therapists are eligible to register to earn a CES certificate.

There is an additional registration fee of $25 (members)/$50 (nonmembers) for each CES certificate.

Balance and Falls

The geriatric population in the US is rapidly increasing with the aging of the baby boomer generation. Physical therapists are seeing an increased demand for their services in intervention and prevention strategies to reduce balance dysfunction, falls, and fall-related injuries in older adults. Advance your knowledge and skills in the analysis, assessment, and management of balance dysfunction in older adults. Speakers will highlight current and future health and research trends related to balance dysfunction and falls. Expert faculty include Roberta A Newton, PT, PhD, and Steven L Wolf, PT, PhD, FAPTA.

Required Courses:
- Balance and Falls: Case Study Session
- Future Direction in Health Care and Research to Promote Elderly Mobility: Setting the PT Agenda
- Moderated Platform Presentations
- One Step Beyond the Box: Fall Prevention and Screening

Electives (Select 1)

- Advances in Rehabilitation for Individuals With Parkinsons Disease, Session 1
- Advances in Rehabilitation for Individuals With Parkinsons Disease, Session 2

Business in Physical Therapy Practice

Physical therapy private practices are growing with more physical therapists considering some aspect of private practice. Are you starting a niche practice or expanding your existing services? This CES track provides the tools you need to succeed in the private sector. Presenters share best practices for planning, marketing, administering, and tracking operations for a successful private practice. Expert faculty include James Glinn, Sr, PT, Patrick Graham, PT, MBA, Stephen E Anderson, PT, and Lynn A Steffes, PT, BS.

Required Courses:
- Advanced Clinical Practice for Patients With Cervical Radiculopathy, Whiplash Associated Disorders, and Cervicogenic Headaches: Intervention Strategies
- Clinical Practice for Patients With Cervical Radiculopathy, Whiplash-Associated Disorders, and Cervicogenic Headaches: Case Studies
- Evidence-Based Assessment and Management of the Whiplash-Injured Client
- Evidence-Based Examination and Intervention for Cervical Radiculopathy
- Evidence-Based Management of Cervicogenic Headache

Cervical Spine Disorders

Use advanced clinical practice guidelines for patients with cervical spine disorders. Correlate current evidence in practice to cervical spine disorders, including cervical radiculopathy, cervicogenic headaches, and whiplash injuries. This area of study will emphasize an integrated approach to the examination and treatment of these disorders. Expert course faculty includes Joseph Godges, PT, DPT, MA, OCS, LtCol Robert S Wainner, PT, PhD, OCS, ECS, FAAOMPT, and Michele Sterling, PhD.

Required Courses:
- Basic & Advanced Marketing for Physical Therapists
- Business-Information Systems and Statistical Tracking
- Business Planning 101: Business Administration & Physical Therapy
- Integrative Business Concepts as Applied to Private PT Practice
- PT Practice Operations: Tying Together the Business, Clinical and Marketing Aspects of Practice

All sessions are at the intermediate or advanced level and are taught by leading experts in the area of study. Network with colleagues who share your practice interests, earn a certificate of completion in a concentrated area, and enjoy all the benefits of attending PT 2005.

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Differential Diagnosis

Today’s practice—in all settings—requires PTs to be able to recognize the clinical manifestations of medical problems. Advance your knowledge of medical referral using a screening process designed for safe, effective, and efficient patient management. Integrate your clinical expertise of when to treat, when to refer, and when to consult with the most current perspectives in clinical practice. Expert faculty includes William Boissonnault, PT, DHSc, FAAOMPT, Mary K Bailey-Long, PT, DPT, MS, OCS, CHT, and Scot Irwin, PT, DPT, CCS.

Required Courses:
Screening for Medical Referral: Cardiovascular and Pulmonary
Screening for Medical Referral: Case Application
Screening for Medical Referral: Gastrointestinal and Urogenital Systems
Screening for Medical Referral: Neurological

Electives (Select 1)
Screening for Medical Referral: Abdominal, Cardiovascular & Pulmonary, and Neurological Screening Labs
Screening for Medical Referral: Making It Happen

Movement System Impairment

The pathokinesiological model of movement system impairment (MSI) will be used to evaluate the low back, hip, knee, and shoulder. Presenters will provide the best available evidence about tissue adaptations that contribute to and result from repeated movements and sustained postures, and will discuss the signs, symptoms, and specific impairments in tissues and in movements that are most characteristic of MSI syndromes. Expert course faculty includes Shirley Sahrmann, PT, PhD, FAPTA, and Barbara J Norton, PT, PhD.

Required Courses:
Intro to MSI and to Low Back MSI Syndromes
Low Back MSI Syndromes: Current Research and Best Available Evidence for Examination, Diagnosis, and Treatment
Movement System Impairment Syndromes: Case Studies

Electives (Select 2)
Movement System Impairment Syndromes: Femoral
Movement System Impairment Syndromes: Knee
Movement System Impairment Syndromes: Shoulder

Pediatrics/Motor Control

Effective neurorehabilitation programs in children rely on a foundation predicated on neuroscience, motor control, and motor learning principles. Such foundational evidence is emerging at a phenomenal rate, and the incorporation of this emerging scientific evidence in a manner that affects clinical outcomes is of great importance to the practicing physical therapist. In this CES, recent evidence concerning neuroplasticity and motor learning principles will be presented within a background of promoting function and participation as primary outcomes for pediatric neurorehabilitation programs. Expert faculty includes Susan K Effgen, PT, PhD, Joanne Valvano, PT, PhD, and Carole A Tucker, PT, PhD, PCS.

Required Courses:
Gross Motor Intervention for Children Who Have a Severe Visual Impairment and Other Disabling Conditions, Utilizing a Motor Learning Approach
Issues in the Examination and Evaluation of Children With Neurological Disorders
Pediatrics: Case Studies
Practice Strategies to Enhance Motor Learning by Children With Neurological Disorders: Evidence and Theoretical Perspective
Theoretical Basis of Motor Control

Scholarship of Teaching/Learning and Assessment

As Jules Rothstein entitled a recent editorial, “Scholarship is not an option but a necessity.” (Phys Ther 84(6): 494–495.) Concentrate your learning in “The Scholarship of Teaching, Learning, and Assessment.” Focus your study in concentrated sessions with educational scholars that provide practical strategies and tools for implementing the scholarship of teaching/learning in academic and clinical settings. Specific areas addressed include professionalism, curricular change, instructional strategies, leadership, educational research, and generational and clinical education issues. Expert faculty include Alecia Helbing Thiele, PT, MSEd, ATC/L, ACCE, Susan S Deusinger, PT, PhD, Stewart Mennin, PhD, and Laurita M Hack, PT, PhD, MBA, FAPTA.

Required Courses:
Challenges in Educational Research: Learning from Experience
Leadership and the Nature of Curriculum Change: Complicated and Complex
The Rhythm of Professionalism: Core Values and Generational Issues Envisioning 2020

Electives (Select 2)
Digital Portfolios: A Creative Opportunity for Integrating the Academic Study and Practice-Oriented Experiences of PT Students
Reflections on Clinical Education: Challenges, Solutions, and Rewards
Taking Learning Seriously: Tools for Implementing Scholarship in Physical Therapy
Using Qualitative Data Analysis to Assess Course Outcomes
Choose from twenty (20) educational program tracks at PT 2005! Programs are designed to reflect evidence-based practice and to address physical therapy practice advances and changes. All programs are taught at the intermediate to advanced level. Admission to all general educational programming is included in conference registration.

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**New for PT 2005**

A CD of all available educational programming handouts will be distributed onsite at registration to conference attendees. For detailed descriptions of each education session visit APTA's Web site at www.apta.org.

PT 2005 is equivalent to 1.9 CEUs or 19 contact hours.

Each program has been designated an instructional level based on the following definitions:

**Basic**: Assumes that participants have little or no information within the areas to be covered. The focus is on general orientation and increased awareness.

**Intermediate**: Assumes that participants have a general familiarity with the topic. The focus is on increased understanding and application of information.

**Advanced**: Assumes thorough familiarity with the topic. Focus is on (advanced) techniques, recent advances, and future directions.

**Multiple Level**: Indicates that a single level cannot be determined. The instructional level may vary.

Course content is not intended for use outside the scope of the learner’s license or regulation. Clinical continuing education should not be taken by individuals who are not licensed or otherwise regulated, except as they are involved in a specific plan of care.

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**Academic Issues**

**Physical Therapist Clinical Performance Instrument: Revisions and Current Status**

*Speakers:* Jody S Gandy, PT, PhD; Anthony Delitto, PT, PhD, FAPTA; Nora J Francis, PT, MS, OTR; Scott M Giles, PT, MS; Jon T Nordrum, PT, GCS; Kathryn E Roach, PT, PhD

Proposed changes for the PT CPI on the physical therapy clinical performance instrument and future training will be discussed.

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**Evidence-Based Practice in the Real World: Bridging the Gap from Academic to Clinical Setting**

*Speakers:* Diane U Jette, PT, DSc; Shelley A Goodgold, PT, ScD

This is an interactive course to assist both physical therapists and students in employing efficient, practical methods to access and evaluate the literature to support clinical decisions.

**Pharmacology Content in Professional Physical Therapy Education in the US**

*Speakers:* Peter C Panus, PT, PhD; Charles D Ciccone, PT, PhD; Laurita M Hack, PT, MBA, PhD, FAPTA; Suzanne L Tinsley, PT, MSPT, PhD

Establishing guidelines in pharmacology content will provide educational programs with an indication of the appropriate scope and depth needed to address pharmacology in professional physical therapist education.

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**Implementing Yearlong Paid Internships In Physical Therapy Professional Education**

*Speakers:* Mary Knab, PT, DPT; Donna L Applebaum, PT, DPT, MS

Here is your opportunity to examine the implementation of year-long paid clinical internships as part of professional physical therapist education.

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**Pharmacy Content in Professional Physical Therapy Education in the US**

*Speakers:* Linda J Tsoumas, PT, EdD; Deborah D Pelletier, PT, MS

Building a comprehensive and progressive curricular thread for professional behaviors can pose a challenge for a professional program and the faculty.

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**Balance and Falls**

*Speakers:* Robetta A Newton, PT, PhD; Karen L McCulloch, PT, PhD, NCS

Selecting the most appropriate balance and fall risk assessment and intervention for older adults can be quite daunting given the heterogeneity of the group in terms of chronic conditions, level of activity, domicile, and cultural and socioeconomic differences.
### Balance and Falls Platform Presentations
For the list of presentations, please refer to the platform presentations listed under the Neurology track on the APTA Web site.
Platform presentations on balance and falls in the geriatric population will be presented. This is a CES required session.

### Future Direction in Health Care and Research to Promote Elderly Mobility: Setting the PT Agenda
**Speakers:** Roberta A Newton, PT, PhD; Bonita Beattie, PT, MHA
The session will explore future directions in health care and research to promote functional independence in older adults.

### Balance and Falls: Case Study Session
**Speakers:** Kathleen M Gill-Body, DPT, MS, NCS; Terry Ellis, MSPT, NCS; Roberta A Newton, PT, PhD; Dawna M Pidgeon, PT; Steven L Wolf, PT, PhD, FAPTA
Two cases will be presented that provide a point for discussion about current research, evaluation, and intervention for elderly with a history of balance and falls.

## Business in Physical Therapy Practice

### Business Planning 101: Business Administration and Physical Therapy
**Speakers:** Stephen E Anderson, PT, CEO; Patrick D Graham, PT, MBA
What do small business owners need to know about contract negotiation? This session will cover how to initiate, how to develop and how to implement and track the success and failures of contracts.

### Basic and Advanced Marketing for Physical Therapists
**Speakers:** James E Glenn, Sr, PT; Lynn Steffes, PT, BS
This session will explore both basic and advanced marketing techniques, as such techniques apply to physical therapy.

### Business-Information Systems and Statistical Tracking
**Speakers:** James Evan Glenn, Jr, PT, MPT, MS, OCS; Franklin Rooks, Jr, PT, MBA
This session will explore information systems and statistical tracking, as they apply to physical therapy.

### Physical Therapy Practice Operations: Tying Together the Business, Clinical, and Marketing Aspects of Practice
**Speaker:** James E Glenn, Sr, PT
This course will present an overview of effective organizational chart development, a description of the progressive steps in business planning, a discussion of change in the established practice culture, and a description of the three pillars of practice success.

### Integrative Business Concepts as Applied to Private Physical Therapy Practice
**Speakers:** James E Glenn, Sr, PT; Stephen E Anderson, PT, CEO; Patrick D Graham, PT, MBA; Franklin Rooks, Jr, PT, MBA; Lynn Steffes, PT, BS; James Evan Glenn, Jr, PT, MPT, MS, OCS
This session is open only to registrants of the CES Business in Physical Therapy Practice. Attendees will participate in a series of round table discussions on topics related to business management.

## Cervical Spine Disorders

### Evidence-Based Examination and Intervention for Cervical Radiculopathy
**Speaker:** LtCol Robert S Wainner, PT, PhD, OCS, ECS, FAAOMPT
Examine the current best-evidence for Examination, Diagnosis, Prognosis, and non-operative Interventions for patients/clients with cervical radiculopathy.

### Evidence-Based Management of Cervicogenic Headache
**Speaker:** Michele Sterling, PhD
Examine the current best-evidence for the presence of physical impairment in clients with cervicogenic headache. This course will focus on different cervicogenic headaches from different types of headaches and consider the physical therapy management of cervicogenic headache.

### Evidence-Based Assessment and Management of the Whiplash-Injured Client
**Speaker:** Michele Sterling, PhD
This session will focus on the current evidence based approach to the diagnosis, classification and management of whiplash injury including implications of recent longitudinal studies on whiplash.

### Clinical Practice for Patients With Cervical Radiculopathy, Whiplash-Associated Disorders, and Cervicogenic Headaches: Case Studies
**Speakers:** Joseph Gogdes, PT, DPT, MA, OCS; Michele Sterling, PhD
A case study format will be utilized to demonstrate the clinical reasoning related to management of patients with cervical radiculopathy, whiplash-associated disorders, and cervicogenic headaches. Common clinical patterns including associated impairments of the thoracic cage, should girdle and upper extremity in addition to key impairments will be discussed.

### Advanced Clinical Practice for Patients With Cervical Radiculopathy, Whiplash-Associated Disorders, and Cervicogenic Headaches: Intervention Strategies
**Speakers:** Joseph Gogdes, PT, DPT, MA, OCS; Michele Sterling, PhD
A lab format will be utilized to demonstrate the clinical reasoning related to management of patients with cervicogenic headaches, cervical radiculopathy, and whiplash associated disorders.

## Cultural Competence

### Issues in Physical Therapy: An International Perspective and Networking Open Forum
**Speakers:** Brenda J Myers, PT, BScPT, MHSA; Kenneth J Harwood, PT, PhD, CIE; Ronnie Leavitt, PT, PhD, MPH; Helen L Masin, PT, PhD; Janice Miller, MBA, BScPT, BScBio
This session will include an overview of the development and work of World Confederation for Physical Therapy as well as focus on specific projects illustrating how collaboration with and among member organizations has had a positive impact on the development of the international profession.

### Integrating Strategies for Patient/Client Adjustment Into Your Clinical Practice
**Speaker:** Meredith E Drench, PT, PhD
This educational session explores adjustment, a critical element of rehabilitation, and examines the losses of the patients/clients we serve, such as loss of mobility, strength, endurance, cardiopulmonary capacity, and independence; the grief response necessary for rehabilitation to occur; and specific strategies to foster adjustment.

For more information see APTA’s Web site at www.apta.org
Home on the Range: Maximizing Quality of Life for Farmers and Ranchers Through Physical Rehabilitation and the USDA AgrAbility Project

**Speaker:** Millee Jorge, PT, EdD

Use the disablement model to better understand minority health and health disparities among rural community dwellers. The effort to reduce potential health disparities specific to physical rehabilitation services, and the ability to maximize quality life for this special population, will be presented using a variety of innovative approaches.

Training Student Physical Therapists to Negotiate Complex Community-Based Practice Environments

**Speakers:** Teresa M Cochran, PT, DPT, GCS, MA; Caroline Goulet, PT, PhD

To successfully practice in complex environments, physical therapy students must be exposed to practice settings that allow the opportunity to experience the effects of health disparities, to experience the role of the physical therapist as a member of the health care team extending scarce resources and developing sustainable programs, and to experience the level of uncertainty and challenge that frequently accompany practice in underserved community settings.

Reducing Health Disparities Among Members of Minority Groups

**Speakers:** Neva Kirk-Sanchez, PT, PhD; Awilda R Haskins, PT, EdD

Here is your opportunity to discuss the Institute of Medicine report “Unequal Treatment: Confronting Racial and Ethnic Disparities in Health Care”; current literature on disparities in disability, functional limitations, and access to rehabilitative care; current, ongoing research in health disparities in South Florida; and strategies (research, community health, academic, and advocacy) to reduce health disparities and improve access to physical therapy services.

Diabetes and Obesity

Diabetes Update

**Speakers:** David Nathan, MD; Theresa H Michel, PT, DPT, MS, CCS

Dr. Nathan’s recent research indicates that exercise has a significant impact on diabetes.

Physical Therapy Diagnosis and Treatment of Soft Tissue Dysfunction Caused by Diabetes Mellitus

**Speaker:** Carol J Manheim, PT, LPC

The clinician will learn the pathophysiology of long-term and short-term high blood glucose levels (hyperglycemia) on soft tissue, events and activities that may precipitate potentially life-threatening low blood glucose levels (hypoglycemia), and treatment approaches designed to ameliorate soft tissue dysfunction precipitated by hyperglycemia.

Bariatrics: Implications for Physical Therapy

**Speaker:** Michael A Dionne, PT, BS

This course provides the physical therapy practitioner with essential information to meet the needs of the fastest-growing patient population in health care.

Functional Implications and Exercise Prescription for Adults Who Are Obese

**Speakers:** Susan S Deusinger, PT, PhD; Tamara Burlis, PT, DPT, MHS, CCS

Specific strategies for examining dysfunction and planning interventions for individuals who are obese must address mechanical and physiological impairments, and promote long-term adherence to a physically active lifestyle. This session will help you develop group and individual approaches that promote improved movement and function.

Differential Diagnosis

**Screening for Medical Referral: Gastrointestinal and Urogenital Systems**

**Speaker:** William Boissonnault, PT, DHSc, FAAOMPT

A detailed review of symptoms for the gastrointestinal and urogenital systems, local and pain referral patterns of gastrointestinal and urogenital systems structures, common gastrointestinal and urogenital conditions that can mimic musculoskeletal complaints and physical assessment of the abdomen will be covered.

**Screening for Medical Referral: Cardiovascular and Pulmonary**

**Speaker:** Scot Irwin, PT, DPT, CCS

Learn to objectively identify cardinal signs and symptoms of cardiovascular/pulmonary disorders at rest and with exercise. Clinical cases (vignettes) will exemplify the critical signs and symptoms presented.

**Screening for Medical Referral: Neurological**

**Speaker:** Kenda S Fuller, PT, NCS

This course will define critical neurological manifestations related to underlying or possible disorders including identification of syndromes or groups of symptoms that lead therapists to or away from suspected diagnosis. Deficits related to area of brain dysfunction will be described.

**Screening for Medical Referral: Case Application**

**Speaker:** Mary K Bailey-Long, PT, DPT, MS, OCS, CHT

This session will present patients with findings that warrant medical screening for consideration of referral to a medical practitioner. This may include review of systems questioning, questioning further for patient history or family history, or physical examination.

**Screening for Medical Referral: Abdominal, Cardiovascular and Pulmonary, and Neurological Screening Labs**

**Speakers:** Mary K Bailey-Long, PT, DPT, MS, OCS, CHT; Kenda S Fuller, PT, NCS; Scot Irwin, PT, DPT, CCS

**NOTE:** For CES registrants only: limited enrollment, first-come, first-served. Must enroll in advance.

Participants will see demonstrations and have limited supervised practice on techniques for medical screening of the gastrointestinal, urogenital, cardiovascular, and neurologic systems that are appropriate for the physical therapist to conduct. Observation, palpation, auscultation, percussion, and some special tests will be practiced during three 1-hour labs.

Conference handouts available online at www.apta.org and via CD to all conference attendees at PT 2005.
Screening for Medical Referral: Making It Happen

Speaker: Robert E DuVall, PT, DHSc, MMSc, ATC, OCS, FAAOMPT, CSCS

This seminar will introduce physical therapists to the latest competencies and delivery models of practice. Applicable to all practice settings and specialty areas, this course will focus on the most essential responsibility of all physical therapists—the recognition of comorbid medical conditions.

Exercise

Strength Exercises in Geriatrics: Putting Evidence Into Practice

Speakers: Mark Richards, PT, MS, BS; Mark J Besch, PT

This session will review the geriatric strength literature. Strength-training tools commonly used to treat seniors (ie, elastic resistance, cuff weights, isokinetic machines, etc), rehabilitation outcomes based on the use of optimal strength exercises in the skilled nursing facility setting, and strength exerciser parameters will be discussed.

Anatomical Basis of Resistance Exercises and Weight Training: Implications for Fitness and Sport, Injury Identification, and Rehabilitation

Speaker: Carl DeRosa, PT, DPT, PhD

This educational session will detail the clinical anatomy of the trunk and the extremities and apply this scientific foundation to weight-training methods used for fitness and rehabilitation. It also will describe the common mechanisms of injury, emphasizing the physical therapist’s role in exercise prescription for injury rehabilitation and performance enhancement.

Incorporating Yoga Into the Rehabilitation of Women With Multiple Sclerosis

Speakers: Dalia Zwick, PT, PhD; Mary Dun

This session will focus on methods of adapting specific yoga poses to ease or improve patient/client function. Biomechanical and physiological rationale for poses used and key points of alignment will be discussed.

Examination, Evaluation, Interventions, and Outcomes for Patients With Impaired Muscle Performance Using the Feldenkrais Method

Speakers: Mark R Erickson, PT, MA, OCS; Michele Sterling, PhD

This course invites participants to investigate the essential concepts, scientific merit, and clinical applications of the Feldenkrais method with patients who have impaired muscle performance.

Fitness Assessment

Health Promotion for the Physical Therapist: Concepts, Theory, Evidence and Application

Speakers: Julie Gahimer, PT, HSD; Constance McClay, PT, EdD, ATC; S Jill Stikeleather, PT, PhD

Health promotion, wellness and disease prevention and the roles of physical therapists in promoting health and reducing health disparities in selected populations (eg, injured workers, older adults, people with disabilities) will be discussed. Participants will apply health promotion concepts, health behavior change theories/models that will serve as a foundation to plan, implement, and evaluate programs for well and special populations.

Fitness Assessment and Interventions

Speaker: Steven H Tepper, PT, PhD

Physical therapists have an array of fitness assessments to choose from. Specific strategies can be used to compare a patient’s/client’s fitness level to normative data or reference equations. Using this objective information, interventions can be assessed as to their effectiveness.

The First Step to Active Health: Physical Activity for Older Adults

Speakers: Phillip Page, PT, MS, ATC, CSCS; Michael Rogers, PhD, FACSM, CSCS

In 2003, the Active Aging Toolkit was developed in partnership with APTA, in response to the National Blueprint to Increase Physical Activity Among Adults Aged 50 and Older. As part of the Toolkit, the First Step to Active Health program was developed by researchers and clinicians as a well-rounded physical activity program designed to increase physical activity in sedentary older adults.

Wellness and Physical Therapy

Speaker: Sharon E Fair, PT, PhD, PsyD

This course will explore the relationship of wellness and physical therapy. The dimensions of wellness (particularly physical fitness, nutrition, and psychological wellness) will be examined and applied to the practice of physical therapy and participants will contribute to the resolution of case scenarios involving wellness and physical therapy.

Get Moving America: Form a PAAC (Physical Activity Action Council)

Speakers: Jayne L Snyder, PT, MA; JoAnne Owens-Nauser, MPE, EdD

This session will focus on the physical therapist leadership role in forming partnerships with policy makers and stakeholders to provide more time for physical activity for school-age children. Action plans, blueprints, checklists, case studies, and going from paper to practice will be the focus of this “change agent” session.

Integrating Evidence

How To Use APTA CONNECT: The New APTA-Sponsored Electronic Patient Record System and Clinical Outcomes Database (session repeated)

Speakers: Kenneth J Harwood, PT, PhD, CIE; Malcolm Bond, PhD; Marc Goldstein, EdD; Andrew Guccione, PT, DPT, PhD, FAPTA

This presentation will describe the APTA tools that are available to assist the clinician in using evidence in practice and contribute to a national outcomes database especially designed for physical therapists. The presenters will describe the newly developed electronic patient record system with a national outcomes database, APTA CONNECT and its interaction with Hooked on Evidence, OPTIMAL and the Interactive Guide to Physical Therapist Practice.

Evidence in Practice

Speakers: Charles D Ciccone, PT, PhD; Steven Glaros

Find out how to efficiently identify and locate the evidence that exists in the literature. Chuck Ciccone, PT, PhD, editor for the Physical Therapy Evidence in Practice (EiP) series, and members of the EiP team conduct live demonstrations of online searching and discuss the potential impact for the clinical decision-making process.
Knee Disorders

Biomechanical and Electromyographical Analysis of Lower Extremity Exercises: Implications for ACL and Patellofemoral Rehabilitation

_Speakers:_ Rafael Escamilla, PT, PhD, CSC; Michael M Reinold, PT, DPT, ATC, CSCS; Kevin E Wilk, PT

This course will present knee force data while performing lower extremity exercises in order to better understand how ACL/PCL tensile loads and patellofemoral compressive loads vary as a function of knee angle, load lifted, and exercise technique variation. Electromyographic (EMG) data also will be presented while performing lower extremity exercises in order to better understand how different exercises affect muscle recruitment patterns throughout varying ranges of knee flexion motion.

Recent Advances in the Evaluation and Treatment of Patellofemoral Disorders

_Speakers:_ Michael M Reinold, PT, DPT, ATC, CSCS; Leonard Charles Macrina, PT, MSPT, CSCS; Kevin E Wilk, PT

This educational session will describe recent advances in the rehabilitation of the patellofemoral joint, provide a detailed analysis of the anatomical and biomechanical implications, discuss a systematic evaluation and classification system and specific surgical and rehabilitation programs.

New Strategies for Repair and Rehabilitation of Knee Dislocations and Multi-Ligament Knee Injuries

_Speakers:_ Timothy E Hewett, PhD, Michael Medvecky; Bohdana T Zazulak, PT, MS, OCS

This course will review the epidemiology and biomechanics of these very serious knee ligament injuries, outline state-of-the-art surgical and rehabilitative techniques, review the basic science, surgical, and rehabilitative theories and practices associated with bringing patients with these devastating knee injuries to full recovery, and detail the strategies necessary for developing individualized protocols to address these injuries in a rehabilitation setting.

Knee Injuries in Female Athletes: Developing Prevention Strategies

_Speakers:_ Timothy E Hewett, PhD; Elizabeth A Arendt, MD; Terry Malone, PT, EdD, ATC, FAPTA

Female athletes who participate in jumping and pivoting sports are four to six times more likely to sustain a knee ligament injury, such as anterior cruciate ligament (ACL) injury, than male athletes participating in the same sports. This course reviews the three theories associated with the gender differences in knee injury rate and details the development of strategies for the prevention of these injuries.

Movement System Impairment

Intro to MSI and to Low Back MSI Syndromes

_Speakers:_ Shirley Sahrmann, PT, PhD, FAPTA; Nancy Bloom, PT, DPT, MSOT

This course is designed to provide instruction in the kinesiopathological model of movement system impairments (MSI) and in MSI syndromes of the low back. The best available evidence will be provided about the tissue adaptations that contribute to and result from repeated movements and prolonged postures.

Low Back MSI Syndromes: Current Research and Best Available Evidence for Examination, Diagnosis, and Treatment

_Speakers:_ Linda R Van Dillen, PT, PhD; Sara P Gambatto, PT, MS; Barbara J Norton, PT, PhD

The best available evidence will be provided about the tissue adaptations that contribute to and result from repeated movements and prolonged postures. The signs, symptoms, specific impairments in tissues and in movements that are most characteristics of MSI syndromes (diagnostic groups) of the low back will be described.

Movement System Impairment Syndromes: Knee

_Speakers:_ Suzy L Cornbleet, PT, DPT; Marcie Harris Hayes, PT, DPT

The best available evidence will be provided about the tissue adaptations that contribute to and result from repeated movements and prolonged postures. The signs, symptoms, specific impairments in tissues and in movements that are most characteristics of MSI syndromes (diagnostic groups) of the knee will be described.
Movement System Impairment Syndromes: Femoral Syndromes

Speakers: Shirley Sahrmann, PT, PhD, FAPTA; Cara L Lewis, PT, MSPT

The best available evidence will be provided about the tissue adaptations that contribute to and result from repeated movements and prolonged postures. The signs, symptoms, specific impairments in tissues and in movements that are most characteristics of MSI syndromes (diagnostic groups) of the shoulder will be described.

Movement System Impairment Syndromes: Shoulder

Speakers: Cheryl A Caldwell, PT, DPT, CHT; Renee Ivens, PT, MHS; Mary Kate McDonnell, PT, DPT, OCS

The best available evidence will be provided about the tissue adaptations that contribute to and result from repeated movements and prolonged postures. The signs, symptoms, specific impairments in tissues and in movements that are most characteristics of MSI syndromes (diagnostic groups) of the shoulder will be described.

Movement System Impairment Syndromes: Case Studies

Speakers: Marcie Harris Hayes, PT, DPT; Mary Kate McDonnell, PT, DPT, OCS; Tracy Spitznagle, PT, MHS

The signs, symptoms, specific impairments in tissues and in movements that are most characteristics of MSI syndromes (diagnostic groups) of the low back, hip, knee, and shoulder will be described. The tests that constitute the examinations for these syndromes will be described in detail with the use of photographic and video formats.

Parkinson Symposium

Advances in Rehabilitation for Individuals With Parkinson Disease, Session 1

Speakers: Margaret Schenkman, PT, PhD; Samuel A Ellias, MD, PhD; Mark W Rogers, PT, PhD

This symposium will review and discuss recent advances related to management of individuals who have Parkinson Disease, and will analyze the implications of current advances for physical management of these individuals.

Advances in Rehabilitation for Individuals With Parkinson Disease, Session 2

Speakers: George Carvell, PT, PhD; Terry Ellis, MSPT, NCS; Amanda D Smith, PhD

In this second session of a series of two, focus will shift to current investigations of physical intervention for individuals with Parkinson disease (PD) that will be presented with emphasis on their conceptual basis and their relationships to the advances in basic and medical science.

Pediatrics/Motor Control

Theoretical Basis of Motor Control

Speakers: Susan K Effgen, PT, PhD; Patrick H Kitzman, PT, MSPT, PhD

This session will provide a model of neurorehabilitation that is predicated on the science of neuroplasticity, a dynamic interaction of neural and behavioral events. Join a discussion of current theories of neuroplasticity as they apply to “normal” development, “normal” modification of synapse during development and the central nervous system following insult.

Practice Strategies To Enhance Motor Learning by Children With Neurological Disorders: Evidence and Theoretical Perspective

Speakers: Joanne Valvano, PT, PhD; Susan K Effgen, PT, PhD

This session will address strategies for designing effective practice of functional motor tasks by children with neurological disorders. Emerging evidence for activity-focused interventions will be presented. A theoretical framework, based on motor learning principles, as well as knowledge of neurological impairments, will be applied to the plan of care for a child with a neurological condition.

Issues in the Examination and Evaluation of Children With Neurological Disorders

Speakers: Susan K Effgen, PT, PhD; Maria Fragala-Pinkham, PT; Shelley A Goodgold, PT, ScD

This session will build on knowledge gained from the two previous educational sessions, and focus on the examination and evaluation of children with neurological conditions, preschool-age through adolescence. Functional examination tests and outcome measures that guide evaluation and program planning will be compared based on their psychometric properties and clinical usefulness.

Gross Motor Intervention for Children Who Have a Severe Visual Impairment and Other Disabling Conditions, Utilizing a Motor Learning Approach

Speaker: Deborah R Brandt, PT, MS, CMA

This course will compare and contrast typical childhood motor development with the development of children with visual impairments as well as other disabilities. Physical therapy interventions for addressing gross motor development, mobility and independence of such children will be discussed and demonstrated in various formats.

Pediatrics: Case Studies

Speakers: Carole A Tucker, PT, PhD, PCS; Diane E Nicholson, PT, PhD, NCS; Susan K Effgen, PT, PhD; Maria Fragala-Pinkham, PT; Shelley A Goodgold, PT, ScD

This course will present two case studies of children with cerebral palsy that differ in the clinical picture, age, and environment for intervention. Clinicians and researchers with expertise in pediatrics will review and discuss the cases.

Pharmacology

Clinical Pharmacology in Physical Therapy: How to Make Pharmacology Work for You

Speaker: Ross E Biederman, DPM-MD

This course presents clinically friendly methods of assessing and integrating drug characteristics, effects, and side-effects into patient scheduling and treatment to maximize medication benefits and patient outcomes. Emphasis will be placed on the more commonly encountered medications: NSAIDs, steroids, analgesics, muscle relaxants, and psychotropic medications.

What You Need to Know Before Exercising Patients on Cardiovascular Medications

Speakers: Barbara Gladson, PT, PhD, OT; Mary Jane Mysinski, PT, EdD

This presentation will discuss the most common cardiac medications in relationship to basic pharmacology, physiology, and exercise interventions. The diagnoses targeted will be hypertension, angina, and ischemic heart disease.
Practice Professional Issues

Resolving Ethical Dilemmas in the Clinical Setting: A Practical Approach

Speakers: Laura Lee (Dolly) Swisher, PT, PhD; Nancy R Kirsch, PT, PhD

As physical therapists practice in more autonomous roles, they must be prepared for the increased complexity of ethical dilemmas that will accompany enhanced clinical responsibility. The session will include an overview of evidence regarding moral reasoning in physical therapy, discussion of approaches to effective ethical decision making, and application of ethical decision making principles to clinical cases.

Mentoring: Building Links That Connect and Free; and Meet the Mentors

Speakers: Renee M Cordrey, PT, PhD(c), MSPT, MPH, CWS; Laurie M Rappi, PT, CWS

Topics to be discussed include: how to find a mentor or protégé by matching interests, skills, and learning styles, the nuts and bolts of goal setting, ground rules, communications, meeting frequency, and expectations need to be addressed, setting SMART goals and application of adult learning principles.

Getting Family-Friendly Work

Speaker: Elizabeth Wilcox

The Mom Economy author Elizabeth Wilcox will draw from insights garnered through interviewing and surveying hundreds of working mothers— as well as human resource, career development and surveying hundreds of working mothers—to help you begin to create a work arrangement that better accommodates your most important family demands.

Catherine Worthingham Fellows Forum: The Potential Impact of Recent Advances in Genetics on Physical Therapy Practice

Speakers: John Banja, PhD; Ralph Nitkin, PhD; Allan Goldberg, PT, PhD; Rebecca L Craik, PT, PhD, FAPTA; Steven L Wolf, PT, PhD, FAPTA; Stuart A Binder-Macleod, PT, PhD

This forum will bring together leaders in the field of genetics research to discuss the possible and likely impact new findings in genetics and genomics research will have on the field of physical therapy. Specific emphasis will be placed on identifying the role that genetics plays in functional recovery and rehabilitation.

ABPTS Forum on Specialist Certification/Recertification

Speaker: Beth McKitrick-Bandy, PT, MA, PCS

This forum will acquaint physical therapists with the specialist certification/recertification process administered by the American Board of Physical Therapy Specialties (ABPTS). Audience members will be able to talk with members of ABPTS and its specialty councils and to have their questions answered about the ABPTS specialist certification/ recertification process.

ICF Clinical Manual Update

Speakers: Kenneth J Harwood, PT, PhD, CIE; Diane Brandt, PT, MS; Geoffrey M Reed, PhD

The International Classification of Functioning, Disability, and Health (ICF) is a system developed by the World Health Organization (WHO) to provide a unified and standard language and framework for the description of health and health-related states. The purpose of this session is to update participants on the ongoing development of a Clinical Manual that will introduce health care professionals to the ICF system and to provide guidance to facilitate its reliable use in clinical practice.

Reimbursement

Coding & Reimbursement

Speaker: Helene M Fearon, PT

This course provides an overview of the reimbursement systems that are used to pay claims for rehabilitation services. Get the most current information on reimbursement, and understand how the Medicare fee schedule affects it.

Reversing Denied Claims: Improving Your Receivables

Speakers: Rhea Cohn, PT, MA; Susan Villageliu, PT, JD

This course will reconstruct the entire claims process and identify all of the potential points at which reimbursement could be compromised. Interactive sessions will include bill review, documentation review, EOB review and writing appeals.

Wound Management Evidence for Reimbursement

Speaker: Pamela G Unger, PT, CWS

This course will assess the evidence in wound care management, and review and relate the protocols to case management. New interventions, how to assess the evidence, the documentation and billing for these interventions, and the new and existing CPT codes available for wound care will be addressed.

Emerging Issues: Reimbursement and Compliance for Medicare and Private Payors

Speakers: Gayle R Lee, JD; Jim Nugent; Karen Stavenjord

Are you keeping up with all the ever-changing federal rules and regulations that affect your practice? Are you sure? Medicare is currently implementing some of the most sweeping changes in 30 years, with a host of new payment and practice rules. Learn how you can safeguard your practice now and in the future.

Medical Malpractice Claims and Physical Therapy

Speaker: Sheila K Nicholson, PT, Esq, MBA

This course will provide some of the information physical therapists need to evaluate their current exposure and develop methods to protect their professional and private interests.

Scholarship of Teaching, Learning, & Assessment

The Rhythm of Professionalism: Core Values and Generational Issues Envisioning 2020

Speakers: Susan S Deusinger, PT, PhD; Teri A Stumbo, PT, MS; Alecia Helbing Thiele, PT, MSEd, ATC/L, ACCE

Professionalism is a dynamic phenomenon, central to our effectiveness as physical therapists. Professionalism is elusive in its reality because it responds to the ebb and flow of society and the concomitant culture of our discipline. This presentation uses the image of rhythm and musical examples to represent how the expectations of professionalism have changed across the horizon of time.
Reflections on Clinical Education: Challenges, Solutions, and Rewards

Speakers: Alecia Helbing Thiele, PT, MSEd, ATC/L, ACCE; Ronald De Vera Barredo, PT, EdD, GCS; Heidi J Dunfee, PT, CCCE; Amy B Gagnon, PT, DPT; Jody S Gandy, PT, PhD; Scott M Giles, PT, MS; Louise Jarvis, PT, MA, CCE, CI; Lisa Mortensen, MPT; Catherine F Noury, PT, MS

This program is designed for clinical education stakeholders: students, clinicians, and the academic and clinical faculty involved in clinical education, as it evolves to meet the needs of our doctoring profession. A panel of representatives from across the country, from all aspects of clinical education, and from diverse areas, share their insights into the challenges, solutions, and rewards that affect clinical education stakeholders.

Using Qualitative Data Analysis to Assess Course Outcomes

Speakers: Anita M Santasier, PT, PhD, OCS; Margaret Plack, PT, EdD

Physical therapist education requires the development and assessment of student’s attitudes, values, and beliefs throughout the curriculum. Qualitative data analysis (QDA) is used in the social sciences to capture multidimensional phenomena including attitudes, values, and beliefs. Incorporation of reflective activities into a variety of classroom experiences will be discussed to facilitate reflective practice and generate course outcome data.

Leadership and the Nature of Curriculum Change: Complicated and Complex

Speaker: Stewart Mennin, PhD

Curriculum change is a complex process. How can leaders and educational change agents promote and facilitate sustainable curriculum change? This 3-hour interactive workshop will provide new insights and strategies that inform and support leadership for curriculum change.

Taking Learning Seriously: Tools for Implementing Scholarship in Physical Therapy

Speakers: Gail M Jensen, PT, PhD, FAPTA; Amy Haddad, PhD, RN; Elizabeth Mostrom, PT, PhD

Several recent initiatives in higher education led by the Carnegie Foundation support an expanded model of scholarship that includes not only the traditional scholarship of discovery, but also the scholarship of integration, application, and teaching. This expanded model of scholarship offers ways for further understanding, describing, and characterizing the work done by physical therapy academicians and practitioners.

Challenges in Educational Research: Learning from Experience

Speakers: Karen W Hayes, PT, PhD, Laurita M Hack, PT, MBA, PhD, FAPTA; Michael A Pagniariolo, PT, EdD; Debra Sellheim, PT, PhD

Educational research presents many unique challenges, such as knowing when to seek institutional review board approval, methods to study student and practitioner behavior without affecting the behavior, or establishing an educational research agenda that will allow for successful funding. Award-winning educators whose research is in education will discuss issues and topics of research that have been particularly challenging to them.

Technology

Present and New Technologies: The Value of Interdisciplinary Research

Speakers: Colleen M Kigin, PT, DPT, MS, MPA; Thomas J Brady, MD; Hugh Herr, MD; Donna Moxley Scarborough, PT, MS; John A Parrish, MD; Joseph Vacanti, MD

The Center for Integration of Medicine and Innovative Technology (CIMIT) brings together clinicians, scientists, and engineers, as well as government and industry, to help overcome barriers to implementation of novel technologies.

The Use of Technology in Creating a System of Care for Children With Disabilities

Speakers: Rachel A Brady, PT, MS; Maria Woolverton

Participants will be introduced to the key concepts and principles of a system of care, from its evolution within the field of mental health, to being embraced as the standard of care for children with disabilities. It will focus on the increasing role of technology (assistive technology and telerehabilitation) in systems of care and the ways that technology can enhance community capacity and ensure full participation of children with disabilities.

Therapeutic Technologies to Enhance Function: The University of Maryland PTRS Enabling Interventions Paradigm

Speaker: Gad Alon, PT, PhD

Implementation of the latest therapeutic technologies—including but not limited to FES, treadmill, robotics, orthotics, and shoe modifications—as well as the latest training paradigms to maximize patient performance of independent ambulation, sit-stand mobility, and upper limb function—will be discussed.

The Fit-Function Relationship

Speakers: Tina Roesler, PT, MS, ABDA; Josh Anderson, BA

This session will present clinical considerations for equipment selection including postural and physiological considerations, functional assessment, wheelchair skills acquisition, and the importance of the client in the selection process within a team framework.

Digital Portfolios: A Creative Opportunity for Integrating the Academic Study and Practice Oriented Experiences of PT Students

Speakers: Alicia A Canali; Susan E Aman, BA; Betsey Blackmer, PT, EdD; Rosemarie DiMarco; Lorna Hayward, PT, MPH, EdD; Jessica Rossi; Lucia Sloane

Presenters will discuss the use of reflective and student-centered digital portfolios as a unique assessment strategy for organizing and integrating student classroom and practice-oriented experiences.

Neuromuscular Electrical Stimulation: An Adjunct Intervention for Muscle Recovery

Speakers: Tara Jo Manal, PT, OCS, SCS; Noel M Goodstadt, PT, MPT, OCS, CSCS

When considering interventions for improving the strength of an individual whose strength is less than 80% of the uninvolved muscle, the evidence suggests the utilization of neuromuscular electrical stimulation (NMES) in combination with therapeutic exercise. Snyder-Mackler provides evidence supporting the use of electrical stimulation in a rehabilitation program for quadriceps recovery.

Platform Presentations

Thursday, June 9
Education I
Education II
Neurology

Saturday, June 11
Arthritis
Pediatrics
Sports
Physical Therapy

Poster Tours

Thursday, June 9, 11:30 am
Neurology
Friday, June 10, 11:30 am
Geriatrics
Orthopedics
Sports

Multimedia Technology Presentations

Thursday, June 9
Education
Two-Day Courses
Tuesday, June 7, and Wednesday, June 8

Advance Your Clinical Diagnostic Skills! Utilizing an Algorithm-Based Examination and Treatment Approach for Patients With Shoulder and Knee Conditions

Speakers: George J Davies, PT, DPT, MEd, SCS, CSCS, ATC, LAT, Armstrong Atlantic State University, Savannah, GA; Jason Michael Jennings, PT, Sports Medicine, Gundersen-Lutheran, Onalaska, WI; Robert C Manske, PT, MPT, MEd, SCS, ATC, CSCS, Wichita State University, KS; James W Matheson, PT, MS, SCS, CSCS, Gundersen-Lutheran, Onalaska, WI

This hands-on course is designed to advance clinicians’ physical examination skills of the shoulder and knee. Emphasis will be on differential diagnosis and the use of orthopedic special tests that are sensitive and specific to the examination of the shoulder and knee. An algorithmic examination approach will be used to cluster clinical signs and symptoms from the examination findings. Participants will recognize the importance of making a diagnosis and prognosis based on their examination and evaluation findings. Evidence-based treatment and interventions for common shoulder and knee diagnoses will be discussed. Examples of functional testing progressions for return to sport or independent ADLs will also be demonstrated and discussed.

Lab course. Limited attendance.

1.6 CEUs - Intermediate

Clinical Radiography: A Practical Course in X-ray, MRI, and CT Film Reading and Interpretation

Speaker: Ross E Biederman, DPM-MD, Azusa Pacific University, CA

This course will carry participants from initial levels of radiographic assessment skills to confident autonomous analysis of radiographic images. The course goal is to substantially extend participant skills in accurately reading medical imaging films, incorporating common radiographic signs into a usable differential diagnosis, and integrating that information into a professionally designed and delivered plan of rehabilitation. Practical methods of recognizing film content, avoiding common pitfalls in radiographic interpretation, and the development of a reliable systematic approach to film reading will be emphasized. The visual differentiation of CT and MRI will be reviewed, and for all film types participants will learn to recognize standard views, orient themselves to the film content and anatomic relationships, and recognize radiographic signs of various disorders and injuries.

1.3 CEUs - Intermediate

One-Day Courses
Wednesday, June 8

Functional Anatomy of the Trunk: The Basis for Exercise Prescription

Speakers: James A Porterfield, PT, MA, ATC, Rehabilitation and Health Center, Inc, and Venture Practice Services, LTD, Akron, OH; Carl DeRosa, PT, DPT, PhD, Northern Arizona University, Flagstaff, AZ

The musculoskeletal anatomy of the trunk and scapulothoracic, abdominal, and thigh regions will be defined in detail. Degeneration of the spine—particularly at the cervicothoracic and lumbopelvic regions—will be used as a model for demonstrating segment overload. This information will be used in conjunction with data from examination and assessment to determine effective exercise prescription and to better predict the outcome of clinical treatment.

.7 CEU - Advanced

Osteoporosis Across the Lifespan: Primary Through Tertiary Care

(Sponsored by the MA Chapter)

Speakers: Jennifer M Bottomley, PT, MS, PhD, Section on Geriatrics, APTA, Wayland, MA; Lucy J Buckley, PT, Better Bones, Chatham, MA; Carleen Lindsey, PT, MS, Rifkin Physical Therapy and Lymphedema Center LLC, Prospect, CT; Susan Lowe, PT, MS, GCS, Northeastern University, Boston, MA; Nancy J Roberge, PT, DPT, MEd, Chestnut Hill PT Associates, Chestnut Hills, MA

This evidence-based course will cover the prevention and treatment of osteoporosis as it affects people throughout the lifespan. Health
promotion and prevention programs targeted at children, adolescents, pre- and postmenopausal women, and men will be described by physical therapists involved in developing and running these interventions. Presenters will discuss outcomes of these programs and the challenges involved in their administration, as well as evidence that supports physical therapy intervention for people with diagnosed osteopenia. People at risk for osteopenia also will be described along with methods to prevent those at risk from developing osteoporosis. The session will conclude with interventions for people with impairments and functional limitations due to osteoporosis. Participants working in groups will use evidence presented to develop individual and group programs for people with impairments and functional limitations from osteoporosis.

Pathomechanics, Rehabilitation, and Functional Training for the Overhand-Throwing Athlete

Speakers: Rafael F Escamilla, PT, PhD, CSCS, California State University, Sacramento, CA; Michael M Reinold, PT, DPT, ATC, CSCS, HealthSouth Sports Medicine and Rehabilitation Center, Birmingham, AL; Kyle Yamashiro, PT, CSCS, Murieta Physical Therapy, Rancho Murieta, CA

An understanding of proper throwing mechanics in the overhand-throwing athlete can enhance performance and minimize injuries. This course will provide insight into the injury mechanism by integrating throwing biomechanics with common pathomechanics that result from throwing. Speakers will present a scientific foundation for rehabilitating and training the throwing athlete, discuss concepts of functional training and core development, explain how injuries can occur during each pitching phase (windup, stride, arm cocking, arm acceleration, and follow-through). They also will present joint and segment angles, angular velocities, forces and torques, muscle activity, and pathologies; and will discuss current rehabilitation techniques and sport specific functional training, including stretching and joint mobilization, special exercises for the throwing athlete, PNF patterns specific to the thrower, plyometric training, agility drills, and an interval throwing program.

Successful Curriculum Change: Student Assessment and Program Evaluation

Speakers: Stewart Menin, PhD, Menin Consulting, Sao Paulo Brazil

State-of-the-art health professions education programs approach assessment as learning, not as something that happens afterwards. This workshop will integrate and apply current knowledge of how people learn, how we can know what students know, and how we can evaluate the extent to which education programs are meeting expectations and requirements. Working in small and large groups, participants will explore and apply concepts and methods of assessment to their own curriculum. The planning and design of comprehensive assessment across broad institutional education competencies will be addressed. Program evaluation is essential to sustain the quality of new and existing programs. The advantages and disadvantages of different models of program evaluation will be compared and contrasted. Participants will draft and/or review approaches to evaluation of their own programs. This workshop is relevant for institutions transitioning from master’s degree to doctoral degree programs. Limited enrollment.

Students and Employees With Diverse Needs: Attending to the Letter and Spirit of the ADA

Speakers: Nancy Sharby, PT, MS, Northeastern University, Boston, MA; Susan E Roush, PT, PhD, University of Rhode Island, Kingston, RI

Health care settings are becoming increasingly diverse as individuals with unique skills and abilities enter the work force. It is estimated that more than 10% of students and employees encounter challenges that arise from having an impairment or disability. As PTs, we know that individuals with disabilities have the potential to be highly successful and make valuable contributions. But what happens when the person with a disability is a physical therapy colleague or student? Where is the balance among ADA requirements, patient safety, and strict productivity demands? What are the expectations of the clinic or school to provide accommodations?

This course will describe several types of common impairments, including learning disabilities, physical and sensory impairments, and psychiatric disorders. Explore the effect these conditions may have on the performance of physical therapy students and professionals, as well as the obligations of their supervisors/employers. Using case studies and group discussions, presenters will explore these challenges in the context of providing optimal patient care and reasonable accommodations.
Examining and Diagnosis, and Interventions for Patients With Lumbar Instability: An Evidence-Based Approach

Speakers: John D. Childs, PT, Physical Therapy Element, San Antonio, TX; Deydre Smyth Teyhen, PT, PhD, OCS, US Army Baylor University, Fort Sam Houston, TX

Chronic low back pain is an epidemic phenomenon in our health care system. Join your colleagues in this hands-on course that will incorporate the latest evidence for the clinical examination and interventions for patients suspected to have lumbar instability. Spend 2 days advancing your examination and diagnostic skills to accurately identify patients likely to benefit from a stabilization approach. An update on the latest evidence from clinical trials involving core stabilization will be provided, with a focus on the application of spinal stabilization strategies and functional progression to optimize outcomes of care.

Extensive lab sessions. Limited Enrollment.

1.5 CEUs - Advanced

Pharmacology for Physical Therapists

Speaker: Peter C. Panus, PT, PhD, East Tennessee State University, Johnson City, TN

Most of your patients and clients are taking prescription and/or over-the-counter medications. What should you know about the clinical pharmacology to manage them effectively? You’ll study the effect of drug actions on the major body systems, including mechanisms of therapeutic and adverse effects, problems involving drug interaction, and variables that modify drugs’ effects. The course will focus on many of the drugs most commonly used in treating neuro-musculoskeletal and cardiovascular disorders and, using case reports, will discuss specific effects that have an impact on the physical therapy management of patients and clients.

Limited enrollment.

1.3 CEUs - Advanced
Knowledge Networks
Thursday, June 9
7:00 am–7:45 am

Knowledge Networks are your chance to meet and talk with colleagues who share your interest while enjoying a light continental breakfast. Choose from the 9 topics listed below. Each session is led by a content expert. Preregistration is encouraged. There is a charge of $20 for each Knowledge Network, which includes a light continental breakfast. Registration is limited to 30 participants per session.

**Arthritis**
Maura Daley Iversen, PT, MPH, ScD

**Autism**
Shelley A Goodgold, PT, ScD

**Cervical Spine**
Michele Sterling, PhD

**Endurance**
Steven H Tepper, PT, PhD

**Movement System Impairments**
Shirley Sahrmann, PT, PhD, FAPTA

**Obesity**
Susan S Deusinger, PT, PhD

**Private Practice**
James Glinn, Sr, PT

**Shoulder**
George J Davies, PT, DPT, MEd, SCS, CSCS, ATC, LAT

**Wound Integumentary**
Pamela G Unger, PT, CWS

PTA Recognition of Advanced Proficiency and National Assembly Reception

**Thursday, June 9**
6:30 pm–7:30 pm

Join your colleagues in honoring the first recipients of the PTA Recognition of Advanced Proficiency at the annual National Assembly Reception. PTA recipients of a Certificate of Advanced Proficiency have met all eligibility criteria for clinical experience, education, leadership, community service, and above-average job performance within the PT/PTA team. Don’t miss this important new event!

The Foundation for Physical Therapy Dinner Dance Silent Auction Honoring APTA’s Mary McMillan Lecturers

**Thursday, June 9**
7:00 pm–midnight

Please join the Foundation to honor APTA’s Mary McMillan Lecturers on Thursday, June 9, at the Annual Dinner Dance Silent Auction, from 7:00 pm until 12:00 midnight at the Boston Marriott Copley Place. Tickets are $150 per person, $1,500 per table, and may be purchased through the Service Center at 800/999-2782, ext 3395, or on-site at registration. Don’t miss this opportunity to pay a special tribute to our 36 distinguished Mary McMillan Lecturers.

Please note: Tickets will NOT be sold at the door.

Catherine Worthingham Fellows Forum: Genomics in Physical Therapy: Clinical Applications, Future Promises, and Ethical Considerations

**Friday, June 10**
8:00 am–11:00 am

John Banja, PhD; Ralph M Nitkin, PhD; Allon Goldberg, PT, PhD; Rebecca L Craik, PT, PhD, FAPTA; Steve L Wolf, PT, PhD, FAPTA; Stuart A Binder-Macleod, PT, PhD

PT-PAC Luncheon

**Friday, June 10**
1:00 pm–2:30 pm

Come to the PT-PAC luncheon and hear an influential member of Congress speak about health care issues before the 109th Congress. PT-PAC luncheon tickets are $35 each and can be purchased at the PT-PAC table during the House of Delegates, at the PT-PAC booth located in the Exhibit Hall, or from any PT-PAC Trustee. You also may call 800/999-2782, ext 3163, to buy your tickets. Please help elect friends of physical therapy!

Attendee Reception with Leadership

**Thursday, June 9**
5:30 pm–6:30 pm
<table>
<thead>
<tr>
<th>Time</th>
<th>Thursday June 9 AM</th>
<th>Thursday June 9 PM</th>
<th>Friday June 10 AM</th>
<th>Friday June 10 PM</th>
<th>Saturday June 11 AM</th>
<th>Saturday June 11 PM</th>
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<tbody>
<tr>
<td>8:00 AM</td>
<td>PT Clinical Performance: Revisions &amp; Current Status 8:00 am-9:30 am</td>
<td>Strategies for the Statehouse 8:00 am-9:30 am</td>
<td>Critical Issues in Congress for PT</td>
<td>Strategies for Advanced PT Advocates</td>
<td>Implementing Yearlong Paid Internships in PT Professional Education</td>
<td>Accreditation Onsite Reviewer Update</td>
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<td>10:00 AM</td>
<td>Evidence-Based Practice in the Real World: Bridging the Gap from Academic to Clinical Setting Pharmacology Content in Professional PT Education in the US</td>
<td>One Step Beyond the Box: Fall Prevention &amp; Screening</td>
<td>Balance &amp; Falls Platform Presentations</td>
<td>Future Direction in Health Care &amp; Research to Promote Elderly Mobility: Setting the PT Agenda</td>
<td>See Parkinson Symposium</td>
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<tr>
<td>2:00 PM</td>
<td>Issues in PT: An International Perspective &amp; Networking Open Forum</td>
<td>Integrating Strategies for Patient/Client Adjustment Into Your Clinical Practice</td>
<td>Clinical Practice for Patients With Cervical Radiculopathy, Whiplash-Associated Disorders &amp; Cervicogenic Headaches: Case Studies</td>
<td>Home on the Range: Maximizing Quality of Life for Farmers &amp; Ranchers Through Physical Rehabilitation and the USDA AgrAbility Project</td>
<td>Training Student PTs to Negotiate Complex Community-Based Practice Environments</td>
<td>Reducing Health Disparities Among Members of Minority Groups</td>
</tr>
</tbody>
</table>
Featured Keynote Speaker Doris Kearns Goodwin!

Wednesday, June 8, 5:30 pm
John & Hyatt Convention Center

Doris Kearns Goodwin, world-renowned historian, has been reporting on politics and baseball for over two decades. Mrs. Goodwin in the author of several books and has written for looking with only exceptions. She is a commentator for NBC and a consultant and on-air person for PBS documentaries on Lyndon B. Johnson, the Kennedy Family, Franklin Roosevelt, and Ken Burns "The History of Baseball." Today, she is revising a monumental work dedicated to the life of President Abraham Lincoln, which has already been optioned for the production of a major motion picture by Disney Studios.

PT 2005, APTA's Annual Conference and Exposition, is the national event for physical therapy— featuring advanced programming presented by professionals in the field. Physical therapy professionals come from all around the world to get the latest information, network with colleagues, visit the Exhibit Hall, learn cutting-edge techniques, and earn continuing education credits. Plus, this year's seven Concentrated Education Series (CES) courses will help you expand your areas of study.

More than 3,000 physical therapy professionals will attend the Annual Conference and Exposition— professionals like you who are looking for ways to enhance their careers, market themselves, and learn new techniques. PT 2005 attendees are actively seeking new ideas and solutions to fill their practice needs. They know they’ll find answers at PT 2005.

SPECIAL EVENTS

Opening Ceremonies & Reception
Wednesday, June 8, 5:30 pm-8:30 pm

The McMillan Lecture
Thursday, June 9, 4:30 pm-6:30 pm

Hours and Awards Recognition Ceremony
Friday, June 10, 10:00 am-12:00 pm
Featured Keynote Speaker
Doris Kearns Goodwin!
Wednesday, June 8, 9:30 am
John B. Hyatt Extension Center

Doris Kearns Goodwin, world-renowned historian, has been reporting on politics and social history for over two decades. Mrs. Goodwin is the author of several books and has written for leading media publications. She is a commentator for NBC and a consultant and on-air person for PBS documentaries on Franklin Roosevelt, an Emmy-winning and Peabody Award-winning film on President Abraham Lincoln, which has already been optioned for a major motion picture by Steven Spielberg. Mrs. Goodwin is the author of several books and has written for leading media publications. She is a commentator for NBC and a consultant and on-air person for PBS documentaries on Franklin Roosevelt, an Emmy-winning and Peabody Award-winning film on President Abraham Lincoln, which has already been optioned for a major motion picture by Steven Spielberg.

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Visit the Exhibit Hall to have your questions answered by industry experts, discover the latest advances in physical therapy products, and get hands-on demonstrations. You’ll find hundreds of booths full of the most innovative equipment, technology, and information, all designed to make you and your practice more effective! See evaluation, exercise, and electrotherapy equipment; ambulatory aids; prosthesis and orthotic devices; electrophysiology equipment; general equipment and supplies; publications; and computer programs. Visit the exhibit hall to find APTA’s Resource Center full of publications, logo wear, and practice essentials. Be sure to stop by the newly expanded Career Center for professional opportunities such as resume review, employment opportunities, and more. Of all, you’ll have the opportunity to purchase products directly in the exhibit hall and take them home to use right away! Check our Web site at www.apta.org for a current list of exhibitors.

### Exhibit Hall Hours

- **Thursday, June 9**
  - 11:00 am – 4:30 pm
- **Friday, June 10**
  - 10:30 am – 4:30 pm
- **Saturday, June 11**
  - 10:30 am – 1:00 pm

Whether you follow in the footsteps of Paul Revere or the path of the Freedom Trail, Boston offers slices of history and culture at every turn. From the history and architecture of downtown Boston to the wealth of colonial-era sights, Boston bills itself as “America’s Walking City,” and walking is the easiest way to get around. Discover the redeveloped Quincy Market to Beacon Hill and experience the city’s many shops, cafes, ethnic enclaves, and historic charm. Boston is home to hundreds of the finest attractions, restaurants, shopping, and cultural offerings in the country. Enjoy this historic city when you attend this year’s PT 2005 in Boston!
PT 2005 Exposition: A Networking Opportunity — And More!

Visit the Exhibit Hall to have your questions answered by industry experts, discover the latest advances in physical therapy products, and get hands-on demonstrations. You'll find hundreds of booths full of the most innovative equipment, technology, and information, all designed to make you and your practice more effective! See evaluations, exercises, and rehabilitation equipment; ambulatory aids; prothetic and orthotic devices; electrotherapy equipment; general equipment and supplies; publications; and computer programs. You'll also find APTA's Resource Center full of publications, logos, and practice essentials. Be sure to stop by the newly-expanded Career Center for professional opportunities such as resume review, employment opportunities, and more! And, of course, you'll be able to purchase products directly in the exhibit hall and take them home to use right away! Check our Web site at www.apta.org for a current list of exhibitors.

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