

## COURSE OBJECTIVES

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Describe the normal anatomy and physiology of the pulmonary system as it applies to physical/occupational therapy patient management.

Discuss the medical and physical/occupational therapy management of patients diagnosed with

- ◆ Acute pulmonary conditions including but not limited to pneumonia, atelectasis, and pneumothorax
- ◆ Chronic obstructive pulmonary conditions including chronic bronchitis, asthma, and emphysema
- ◆ Restrictive diseases including pulmonary fibrosis, musculoskeletal pathologies, adult respiratory distress syndrome
- ◆ Lung cancer and lung surgeries

Understand findings of arterial blood gas (ABG) and chest radiograph and pulmonary function test (PFT) for patients with obstructive and restrictive lung disease

Review the effects/uses of various pharmacological interventions for pulmonary dysfunction

Select and provide rationale for utilization of examination techniques in an effort to establish a PT/OT diagnosis, prognosis, and plan of care

Evaluate objective data including pulse oxymetry, lung auscultation, respiratory rate and pattern, thoraco-abdominal movements, dynamic hyperinflation, posture, and RPE scores

Identify goals/outcomes of pulmonary rehabilitation; develop, design, and describe the rationale and physiologic effects of various treatment techniques in managing patients with pulmonary pathology

Collaborate with classmates in analyzing and interpreting patient data in a given pulmonary case study to enhance decision making in clinical practice



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# Management of Patients with Pulmonary Disease

**Konrad J. Dias**  
PT, DPT, CCS

**March 12-13, 2011**

**13 Contact Hours**

**Friedenrich Auditorium  
Lucille Packard Hospital  
725 Welch Road  
Stanford, CA 94305**

### **COURSE LOCATION:**

Friedenrich Auditorium  
Lucille Packard Children's Hospital  
725 Welch Road  
Stanford, CA 94305

### **Mailing address:**

Rehabilitation Services MC 5284  
300 Pasteur Dr.  
Stanford CA 94025  
650-498-7812 phone

## FACULTY

## COURSE SCHEDULE

## REGISTRATION

### Course Faculty:

**Konrad J. Dias PT, DPT, CCS**, received his B.S. in Exercise Physiology, M.S. in Physical Therapy, and clinical doctorate in Physical Therapy (DPT) from the Department of Physical Therapy at the University of Massachusetts Lowell. Dr. Dias is also a Board Certified Cardiovascular and Pulmonary Clinical Specialist.

Dr. Dias is Assistant Professor in the School of Health Professions at Maryville University of St. Louis, Missouri, where he teaches graduate courses in the areas of cardiopulmonary physical therapy and pathology.

Dr. Dias has presented nationally at the APTA Combined Sections Meeting and was involved in a variety of programs to disseminate physical therapy internationally. He had the privilege of presenting lectures at the Christian Medical College Vellore, India; Es Salud Health Care System in Lima, Peru and an invited speaker for a program co-sponsored by the national Chilean Physical Therapy Association and the Universidad Metropolitana de Ciencias de la Educación in Santiago, Chile.

Dr. Dias has co-authored the cardiac chapter in the latest edition of the *Acute Care Handbook for Physical Therapists* as well as published several articles and abstracts in the *Journal of Cardiopulmonary Physical Therapy*.

### Saturday, March 12, 2011:

7:30 AM Registration and Continental Breakfast  
8:00 AM Pulmonary Anatomy: Thorax, muscles of ventilation, conducting and respiratory airways  
9:00 AM Pulmonary Anatomy and Clinical Implications  
10:00 AM Pulmonary Physiology: Ventilation, Respiration, Ventilation/Perfusion relationships, gas transport, mechanics of breathing  
11:00 AM Pulmonary Physiology and Clinical Implications  
**12:15 PM LUNCH (provided)**  
1:00 PM Acute Pulmonary Disorders: *Pneumonia, Atelectasis, Pneumothorax*  
3:00 PM-4:05 Restrictive Lung Diseases, Lung Cancers and Pulmonary Pharmacology

### Sunday, March 13, 2011:

8:00 AM Chronic Obstructive Pulmonary Diseases: *Chronic Bronchitis, Emphysema, Asthma*  
11:00 AM Pulmonary Assessment and Review of Arterial Blood Gases  
**12:15 PM LUNCH (provided)**  
1:00 PM Management of patients with Pulmonary Dysfunction: Case Studies, ABG Workshop and Discussion  
2:30 PM Summary  
**3:00 PM Adjourn**

**HOME STUDY:** A pulmonary case study is available for an additional 3 contact hours. Dr. Dias will be available for consult via e-mail.

**EARLY REGISTRATION \$250**  
**After February 10, 2011 \$300**  
Full time student \$50. Please list school.

Name: \_\_\_\_\_

License # \_\_\_\_\_

E-mail (please print clearly): \_\_\_\_\_

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Checks Payable to **Stanford Hospital**

Mail registration and payment  
(check or credit card) to:  
Deb Bolding  
Rehabilitation Services  
300 Pasteur Drive MC 5284  
Stanford CA, 94305

[dbolding@stanfordmed.org](mailto:dbolding@stanfordmed.org)

For hotel or other information

OR Fax to: 650-725-5433