

ASTHMA - COPD

EDUCATOR COURSE & Workshop

14 - 15 January 2012
Marriott Hotel - Najd Hall
Riyadh, Saudi Arabia

CONDUCTED BY:



American Association
for Respiratory Care

ORGANISED BY:



SINA
Saudi Initiative for Asthma
المبادرة السعودية للربو والمساسية



Program Director: Thomas J. Kallstrom, MBA, RRT, FAARC (USA)

Date	Time	Place
Saturday, 14 January 2012	07:30 - 17:00	Marriott Hotel - Najd Hall Riyadh, Saudi Arabia
Sunday, 15 January 2012	08:00 - 18:00	

TARGET AUDIENCE:

This Course is designed for all clinicians who manage and educate patients with asthma and COPD, including but not limited to: Physicians, Respiratory Care Specialists, Pharmacists, Technologists, Nursing Staff, Health Educators, as well as advocates and Researchers in Public Health and Health Promotion.

REGISTRATION FEES:

Individual Registration: **SAR 400** Corporate Registration: **SAR 750**

FOR REGISTRATION:

Please Contact: Mr. Saifuddin Hamad

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IN COLLABORATION WITH:



The National Asthma Committee



وزارة الصحة
Ministry of Health



INTRODUCTION:

- Attendance is limited, registration is on first come first served bases
- Individual Registration Fee = SAR400. Corporate Registration Fee (SAR750)
- This Postgraduate Course is approved for **13** CME hours by the SCHS.
- This Postgraduate Course is accredited by the AARC International Education Recognition System (IERS).
- Certificate of Attendance will be provided from the STS and the AARC with **14** CRCE.
- For the first time in Saudi Arabia, attendees will be eligible to set for a post course test. Passing the test would qualify for a Certified Asthma-COPD Educator (CACE) issued by the Saudi Thoracic Society and Saudi Society for Respiratory Care.

COURSE DESCRIPTION:

The AARC has been conducting the Asthma and COPD Educator Course for more than 12 years to prepare students sit for the Asthma Educator Examination offered by the National Asthma Education Certification Board's (NAECB). The multidisciplinary team of instructors has included respiratory therapists, physicians, and nurses. The course is a day and a half and is a comprehensive program that is aligned with the matrix provided from the NAECB as well as the Expert Panel Report III (EPR III). The NAECB recommends that anyone considering taking such a course provide pass rate information. The AARC has surveyed past attendees of its course and have seen an overall pass rate of 88%.

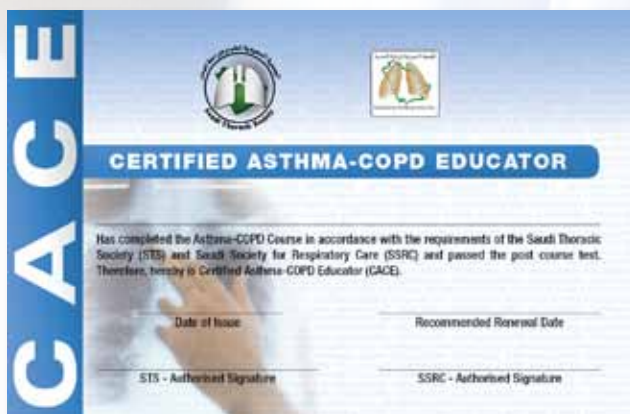
COURSE OBJECTIVES:

1. Describe components of assessment for a patient with Chronic Obstructive Pulmonary Disease (COPD) and asthma.
2. Describe the physiologic differences between obstructive and restrictive disease
3. Explain how to identify acceptable and repeatable pulmonary function results
4. Recognize common causes for miscommunication and identify strategies to avoid them.
5. Given adequate information about a COPD patient, select the most appropriate oxygen delivery equipment to meet their needs
6. Explain how participation in a pulmonary rehabilitation program can improve a COPD patient's quality of life.
7. Compare and analyze remediation techniques in the management of asthma triggers
8. Describe key content areas covered by the National Asthma Educator Certification Board (NAECB) examination
9. Identify key knowledge, skills and attributes for asthma educators
10. Recognize the signs and symptoms of malnutrition and describe its effect of on COPD patients
11. Analyze current epidemiologic trends in the asthma epidemic
12. Identify asthma and COPD pathophysiology and its underlying causes
13. Explain various methodologies for obtaining asthma history through established questioning techniques
14. Explain the rationale of quick-relief and controller medications and the step-based approach to pharmacologic management of asthma
15. Discuss the purpose and rationale for self-management goals of asthma and COPD therapy
16. Explain the four essential components of asthma management that must be met in order to achieve optimal control of asthma
17. Identify the common environmental triggers of asthma
18. Identify psychosocial and cultural factors that affect adherence and compliance to asthma therapy regimens
19. Explain the critical role and value of patient education for asthma
20. Identify potential barriers to effective learning
21. Describe mechanisms and processes to evaluate asthma program outcomes
22. Describe in the types of pulmonary function testing including spirometry, lung volumes, diffusing capacity, and oximetry.
23. Explain and contrast general approaches to smoking cessation
24. Describe how pulmonary rehabilitation can improve quality of life
25. Describe the necessary components of diet that patients with COPD must adhere to
26. Discuss approaches to avoid intubation of the patient with COPD.
27. Discuss the evidence supporting the use of noninvasive ventilation in patients with COPD.
28. Discuss the technical issues of noninvasive ventilation, including selection of an interface and ventilator.
29. List appropriate ventilator settings for the patient with COPD.
30. Discuss the management of auto-PEEP in patients with COPD.
31. Compare the use of inhalers and nebulizers in the mechanically ventilated patient with COPD
32. Describe the required elements of a personalized medication care for COPD and asthma patients.
33. Describe appropriate application of nebulization, dry powder inhaler, and metered dose inhaler
34. Describe the varying inspiratory rates necessary for aerosol delivery devices for optimal delivery
35. Describe proper cleaning/disinfection of aerosol devices
36. Describe which population of patients are most appropriate for specific aerosol device

MATERIALS:

- A Guide to Aerosol Delivery Devices for Physicians, Nurses, Pharmacists, and Other Health Care Professionals
- A Guide to Aerosol Delivery Devices for Respiratory Therapists—2nd Edition
- A Patient's Guide to Aerosol Drug Delivery
- Making a Difference in the Management of Asthma: A Guide for Respiratory Therapists
- Printed Copy of Slides from All Presentations
- A Guide to Aerosol Delivery Devices for Respiratory Therapists—(Arabic Version)
- Expert Panel Report III: Guidelines for the Diagnosis and Management of Asthma.
Free Download at www.nhlbi.nih.gov/guidelines/asthma/asthgdln.pdf

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INTERNATIONAL FACULTY:



Dean R. Hess, PhD, RRT, FAARC
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Timothy R. Myers, MBA, BS, RRT-NPS
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Care Director, Woman's & Children's
Respiratory Care & Procedural Services and
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Rainbow Babies & Children's Hospital &
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Cleveland Ohio, **USA**



Jerome M. Sullivan, PhD, RRT, FAARC
Prof. Emeritus, The University of Toledo
President, International Council for
Respiratory Care (ICRC)
Toledo, Ohio, **USA**

PROGRAM:

DAY 1 SATURDAY, 14 JANUARY 2012		
TIME	TOPIC	SPEAKER
7:30 – 8:00	Welcome and Introduction Sam Giordano (USA) / Mohammed Al Hajjaj (KSA)	
08:00 - 08:30	Prevalence of Asthma	Timothy Myers (USA)
08:30 - 09:00	Prevalence of COPD	Jerome Sullivan (USA)
09:00 - 10:00	Pharmacology for COPD and Asthma	Timothy Myers (USA)
10:00 - 10:15	COFFEE BREAK	
10:15 - 10:45	Epidemiology and Pathophysiology of COPD	Javed Khan (KSA)
10:45 - 11:15	Epidemiology and Pathophysiology of Asthma	Muslim Al Saadi (KSA)
11:15 - 11:45	Self-Management of Asthma/COPD	Thomas Kallstrom (USA)
11:45 - 13:00	LUNCH BREAK	
13:00 - 13:30	Educating the Patient with asthma/COPD	Jerome Sullivan (USA)
13:30 - 14:00	History and Assessment of Asthma	Timothy Myers (USA)
14:00 - 14:30	History and Assessment of COPD Patient	Dean Hess (USA)
14:30 - 14:45	COFFEE BREAK	
14:45 - 15:45	Spirometry of Obstructive Lung Disease	Timothy Myers (USA)
15:45 - 16:15	Pulmonary Rehabilitation	Jerome Sullivan (USA)
16:15 - 17:00	Question & Answer	All Faculty Speakers

DAY 2 SUNDAY, 15 JANUARY 2012		
TIME	TOPIC	SPEAKER
08:00 - 08:45	Invasive Mechanical Ventilation of Patient with Obstructive Lung Disease	Dean Hess (USA)
08:45 - 09:30	Non Invasive Mechanical Ventilation of Patient with Obstructive Lung Disease	Dean Hess (USA)
09:30 - 10:15	Asthma Triggers	Thomas Kallstrom (USA)
10:15 - 10:30	COFFEE BREAK	
10:30 - 11:15	Protocols/Outcomes	Timothy Myers (USA)
11:15 - 12:00	Pediatric Asthma Overview	Timothy Myers (USA)
12:00 - 13:00	LUNCH BREAK	
13:00 - 13:45	Tobacco Cessation/Nutrition	Thomas Kallstrom (USA)
13:45 - 14:30	Oxygen Devices	Dean Hess (USA)
14:30 - 14:45	COFFEE BREAK	
14:45 - 16:30	Aerosol Device Workshop	All Faculty Speakers
16:30 - 17:00	Question & Answer	All Faculty Speakers
17:00 - 18:00	Certified Asthma-COPD Educator (CACE) Test	