

## CME Program

### Learning Objectives:

- ✓ State the ways in which – in this study of Israeli industrial workers – noise levels and objectively estimated job complexity interacted to influence the risk of work-related injury in men and women.
- ✓ Describe whether and how the risk of injury depended on a number of patient- and work-related factors.
- ✓ Focusing on measures of noise-related stress, point out the implications of these findings for quality of life both at work and in non-working hours.
- ✓ State possible reason(s) for the observation that exposure to noise effects more adversely those workers performing complex jobs.

### Credits

The American College of Occupational and Environmental Medicine (ACOEM) is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

**ACOEM designates this educational activity for a maximum of one (1) hour category 1 credits toward the AMA Physician's Recognition Award. Each physician should claim only those credits that he/she actually spent in the activity.**

This CME activity is intended for occupational and environmental medicine health professionals with an interest in the diagnosis and management of work-related diseases and conditions.

To earn CME, you must answer at least 70 percent of the questions correctly. Correct answers will be published in a future issue of *JOEM*. You will receive notification of pass/fail within four weeks of receipt of your test.

**JOEM, October 2004**

**CME Article #2**

**Pages 1023-1032**



AMERICAN COLLEGE OF  
OCCUPATIONAL AND  
ENVIRONMENTAL MEDICINE

**CONTINUING  
MEDICAL  
EDUCATION**

**October 2004 (submission deadline December 15, 2004)**

### ***The Joint Effect of Noise Exposure and Job Complexity on Distress and Injury Risk Among Men and Women: The Cardiovascular Occupational Risk Factors Determination in Israel Study***

**Melamed, et al.**

### CME Questions

#### **1 In this study of industrial workers in Israel,**

- a) Multivariate logistic regression analysis indicated that men and women with complex jobs who were exposed to high noise levels were about equally at risk of work-related injury.
- b) Women at high risk were substantially more likely than their male counterparts to incur injury.

#### **2 A combination of low noise exposure and a complex job appeared to protect against injury**

- a) in men only.
- b) in women only.
- c) in both men and women.

#### **3 In both men and women, a higher injury risk (as estimated by univariate analysis) correlated with**

- a) fewer years of education.
- b) being overweight.
- c) Both of these factors.
- d) Neither of these factors.

#### **4 Which of these assertions is NOT correct?**

- a) Older women were relatively susceptible to work-related injury but no relationship between injury risk and age was apparent in men.
- b) In both men and women, longer experience on the job predicted a lower risk of injury.
- c) Male managers had fewer injuries than did male workers.
- d) Exposure to a high level of active safety hazards carried an increased risk of injury for men but not for women.

#### **5 All of the following statements are accurate EXCEPT**

- a) Exposure to noise while performing complex work is especially detrimental for women.
- b) Congruent results were obtained for three important outcomes of noise stress: work load, annoyance by noise, and post-work irritability.
- c) The adverse effects of a high noise level and job complexity are limited to the time spent at work.
- d) Industrial workers performing complex jobs stand to benefit from workplace changes that lower ambient noise levels.

# ACOEM Continuing Medical Education in JOEM

## EXAMINATION ANSWERS

CME Article #2 – October 2004  
(submission deadline December 15, 2004)

*The Joint Effect of Noise Exposure and Job Complexity on Distress and Injury Risk Among Men and Women: CORDIS Study – Melamed, et al*

**CME questions are on the previous page.**

### Question 1

A  B

### Question 2

A  B  C

### Question 3

A  B  C  D

### Question 4

A  B  C  D

### Question 5

A  B  C  D

## EXAMINATION EVALUATION

1. Were the stated program objectives successfully met?

Yes  No

Partially (please explain) \_\_\_\_\_

\_\_\_\_\_

2. Were the selected article and related questions relevant to your practice?

Yes

No (please explain) \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

3. Do you anticipate that your participation in this program will result in any change in your practice of occupational and environmental medicine?

Yes

No (please explain) \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

I certify my actual hours spent to complete this activity to be \_\_\_\_\_ hours.

Signature \_\_\_\_\_ Date \_\_\_\_\_

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If you have questions about the CME process in *JOEM*, call ACOEM at **847/818-1800** and ask for the Education Department.

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