

# CONTENTS *Annals of Internal Medicine*

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## ARTICLES

### Clinical Characteristics and Treatment Outcome of Early Lyme Disease in Patients with Microbiologically Confirmed Erythema Migrans 421

R.P. Smith, R.T. Schoen, D.W. Rahn, V.K. Sikand, J. Nowakowski, D.L. Parenti, M.S. Holman, D.H. Persing, and A.C. Steere

In major endemic areas in the United States, Lyme disease commonly presents as erythema migrans with homogeneous or central redness and nonspecific flu-like symptoms. Clinical outcome is excellent if antibiotic therapy is administered soon after symptom onset.

### Efficacy of Resident Training in Smoking Cessation: A Randomized, Controlled Trial of a Program Based on Application of Behavioral Theory and Practice with Standardized Patients 429

J. Cornuz, J.-P. Humair, L. Seematter, R. Stoianov, G. van Melle, H. Stalder, and A. Péroud

A smoking cessation training program that was based on behavioral theory and practice with standardized patients significantly increased the quality of physicians' counseling, smokers' motivation to quit, and rates of smoking abstinence at 1 year.

### J-Shaped Relationship between Blood Pressure and Mortality in Hypertensive Patients: New Insights from a Meta-Analysis of Individual-Patient Data 438

F. Boutitie, F. Gueyffier, S. Pocock, R. Fagard, and J.P. Boissel, for the INDANA Project Steering Committee

Several studies in hypertensive patients receiving treatment have described the relationship between blood pressure and mortality as J-shaped, with an increased risk for events in patients with low blood pressure. This study found that the increased risk for events in patients with low blood pressure was not related to antihypertensive treatment and was not specific to blood pressure-related events. Poor health conditions leading to low blood pressure and an increased risk for death probably explain the J-shaped curve.

## BRIEF COMMUNICATION

### Mixed Hepatocellular–Cholestatic Liver Injury after Pioglitazone Therapy 449

L.D. May, J.H. Lefkowitz, M.T. Kram, and D.E. Rubin

As suggested by the patient described in this report, patients receiving pioglitazone may develop serious liver injury and should be observed for evidence of hepatitis.

## UPDATE

### Update in Women's Health 453

N.C. Dolan, K. Freund, and J. Walsh

This Update discusses issues affecting women of reproductive age, breast cancer treatment, hormone replacement therapy, osteoporosis, cancer screening, and sexual dysfunction.

## REVIEW

### Long-Term Medical Care of Testicular Cancer Survivors 463

D.J. Vaughn, G.A. Gignac, and A.T. Meadows

This case-based discussion focuses on the primary care physician's evaluation and management of a long-term survivor of testicular cancer who was previously treated with surgery and chemotherapy.

## PERSPECTIVE

### Deconstructing the Placebo Effect and Finding the Meaning Response 471

D.E. Moerman and W.B. Jonas

The authors provide a new perspective with which to understand what for a half-century has been known as the "placebo effect." As currently used, the concept includes much that has nothing to do with placebos, confusing the most interesting and important aspects of the phenomenon. The authors propose a new way to understand those aspects of medical care, plus a broad range of additional human experiences, by focusing on the idea of "meaning," to which sick people often respond.

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EDITORIALS

**Recognition and Treatment of Erythema Migrans: Are We Off Target?** 477

R.B. Nadelman and G.P. Wormser

In this issue, Smith and colleagues describe the clinical manifestations of illness and outcome in a group of U.S. patients with erythema migrans and laboratory evidence of *Borrelia burgdorferi* infection. Their findings suggest that objective review of the information from clinical studies should change the way we think about diagnosing and treating early Lyme disease.

**“Did This Drug Cause My Patient’s Hepatitis?” and Related Questions** 480

D.W. Nierenberg

What should the busy internist do when his or her patient, while taking several medications, suddenly develops a new clinical problem, such as hepatitis? Is the acute hepatitis drug related? If so, which drug is to blame? In this issue, May and colleagues discuss liver injury attributed to use of pioglitazone.

ON BEING A PATIENT

**On Growing Old** 484

M. Lundberg

What happened to that skinny kid—the one so skinny her ribs could be counted just by looking? Today, she is a twittery, purse-clutching, cane-wielding, pill-popping little old lady living alone.

ON BEING A DOCTOR

**An Examination of Conscience** 486

M.S. Wheby

Petty illness, trifling fever, transient myalgias had led me to

something more: a desperate need to hold on to that something that is the very essence of doctoring.

LETTERS

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**Caring for Patients at the End of Life**

P.D. Eisenberg

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