

# CONTENTS *Annals of Internal Medicine*

4 December 2001 135 11 939-1018

## ARTICLES

- Estrogen in the Prevention of Atherosclerosis. A Randomized, Double-Blind, Placebo-Controlled Trial** 939  
H.N. Hodis, W.J. Mack, R.A. Lobo, D. Shoupe, A. Sevanian, P.R. Mahrer, R.H. Selzer, C.-R. Liu, C.-H. Liu, and S.P. Azen, for the Estrogen in the Prevention of Atherosclerosis Trial Research Group

Overall, the average rate of progression of subclinical atherosclerosis was slower in healthy postmenopausal women taking unopposed estrogen replacement therapy with 17 $\beta$ -estradiol than in women taking placebo. Progression of subclinical atherosclerosis decreased in women who did not take lipid-lowering medication but not in those who took these medications.

- Predictors of Virologic and Clinical Outcomes in HIV-1-Infected Patients Receiving Concurrent Treatment with Indinavir, Zidovudine, and Lamivudine. AIDS Clinical Trials Group Protocol 320** 954

L.M. Demeter, M.D. Hughes, R.W. Coombs, J.B. Jackson, J.M. Grimes, R.J. Bosch, S.A. Fiscus, S.A. Spector, K.E. Squires, M.A. Fischl, and S.M. Hammer

The HIV-1 RNA level and CD4 cell count achieved at 8 weeks of indinavir, zidovudine, and lamivudine therapy are important predictors of subsequent virologic and clinical outcomes.

- Resistance Training To Counteract the Catabolism of a Low-Protein Diet in Patients with Chronic Renal Insufficiency. A Randomized, Controlled Trial** 965

C. Castaneda, P.L. Gordon, K.L. Uhlin, A.S. Levey, J.J. Kehayias, J.T. Dwyer, R.A. Fielding, R. Roubenoff, and M.F. Singh

By improving muscle mass, nutritional status, and function, resistance training seems to be effective against the catabolism of a low-protein diet and uremia in patients with renal failure.

## BRIEF COMMUNICATION

- Menstrual Cyclic Variation of Myocardial Ischemia in Premenopausal Women with Variant Angina** 977

H. Kawano, T. Motoyama, M. Ohgushi, K. Kugiyama, H. Ogawa, and H. Yasue

In premenopausal women with variant angina, the authors documented a cyclic variation in endothelial function and the frequency of myocardial ischemia that was associated with the variation in estrogen levels.

## ACADEMIA AND CLINIC

- Reported Methodologic Quality and Discrepancies between Large and Small Randomized Trials in Meta-Analyses** 982

L.L. Kjaergard, J. Villumsen, and C. Gluud

Inadequate generation of the allocation sequence, allocation concealment, and double blinding lead to exaggerated estimates of intervention benefit and may contribute to discrepancies between the results of large randomized trials and small randomized trials in meta-analyses.

## REVIEW

- Automated External Defibrillators: Technical Considerations and Clinical Promise** 990

T.S. Takata, R.L. Page, and J.A. Joglar

The authors provide general information on the technology and operation of automated external defibrillators, summarize the experience of trials of these devices (in emergency medical systems and in special environments), and discuss legislative and legal concerns.

## EDITORIALS

- Resistance Training Enhances the Value of Protein Restriction in the Treatment of Chronic Kidney Disease** 999

J.B. Copley

Castaneda and colleagues' results, reported in this issue, suggest that resistance training is a safe and effective countermeasure to the negative effects of protein restriction on muscle mass accretion, protein utilization, nutritional status, and muscle function in patients with chronic kidney disease. Their study provides a method for improving safety when protein-restricted diets are used, as well as a means for enhancing the overall health of patients with chronic kidney disease.

- Coronary Artery Disease in Young Women: The Menstrual Cycle and Other Risk Factors** 1002

P. Charney

In this issue, Kawano and colleagues elegantly explore the relationship of endogenous hormone levels to arterial function and coronary ischemic symptoms. Consideration of the interaction of the menstrual cycle and coronary artery disease may affect clinical practice in the not-distant future.

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MEDICAL WRITINGS

The Physician as Storyteller 1012  
 A. Verghese

By being attuned to character, not just through appearance  
 but particularly through dialogue, we will remember the  
 voice of the patient, even though it is the voice of medicine  
 that we record in the chart. To hear the voice of the patient  
 preserves our capacity to imagine the suffering of the  
 patient.

Book Notes 1018

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 Levitsky.

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