



Other advantages to aerobic exercise

Persistent inflammation, as revealed by increased levels of inflammatory biomarkers, is associated with several chronic disorders, as highlighted by Barbara Nicklas and colleagues.¹ Accordingly, current guidelines recommend 30 minutes or more of daily, moderate-intensity physical exercise.² However, little is known about the effects of vigorous aerobic training on inflammation, and debate continues regarding the intensity of physical activity required to achieve the most favourable health benefits.¹

To investigate the association between vigorous aerobic training and inflammation, we analyzed the concentration of high-sensitivity C-reactive protein (hs-CRP) in sedentary healthy controls, amateur road cyclists and professional road cyclists, matched for age and sex. All subjects were in a fasted state, and the athletes had rested for 24–48 h since their last training session. The hs-CRP was measured by the reference assay using the Behring Nephelometer (Dade Behring GmbH, Marburg, Germany). No significant differences could be observed in the median concentration of hs-CRP between sedentary controls (0.67 mg/L), amateur cyclists (0.54 mg/L, $p = 0.85$) and professional cyclists (0.59 mg/L, $p = 0.99$), nor between professional and amateur athletes.³ We also measured levels of hs-CRP in members of the na-

tional Italian cross-country ski team and found similar levels (0.55 mg/L, $p = 0.32$) (unpublished data). The percentage of subjects with hs-CRP levels above the 3.0 mg/L high-risk threshold was comparable and not statistically different among groups.

These data suggest that healthy individuals subjected to vigorous aerobic training are not likely to develop persistent proinflammatory reactions and the advantageous metabolic changes induced by exercise training might be safely used as preventive or therapeutic measures in patients with chronic disorders.

Giuseppe Lippi
Gian Luca Salvagno
Gian Cesare Guidi

Istituto di Chimica e Microscopia
Clinica
Dipartimento di Scienze
Morfologico-Biomediche
Università degli Studi di Verona
Verona, Italy

REFERENCES

1. Nicklas BJ, You T, Pahor M. Behavioural treatments for chronic systemic inflammation: effects of dietary weight loss and exercise training. *CMAJ* 2005;172(9):1199-209.
2. Lee IM, Sesso HD, Oguma Y, Paffenbarger RS Jr. Relative intensity of physical activity and risk of coronary heart disease. *Circulation* 2003;107:1110-6.
3. Lippi G, Bassi A, Guidi G, Zatti M. Relation between regular aerobic physical exercise and inflammatory markers. *Am J Cardiol* 2002;90(7):820.

DOI:10.1503/cmaj.1050109

Pharmaceutical advertising

I found it extremely disturbing that the May 24 issue of *CMAJ* came bundled with a 4-page advertisement from Berlex for their newly launched oral contraceptive pill.

The advert was thinly veiled as an educational document, complete with a stamp of approval from the Society of Obstetricians and Gynaecologists of Canada (SOGC) and the name of a professor who does not have the word “author” anywhere near his name.

Advertisements within your journal

are a necessary evil; shameless adverts masquerading as continuing medical education (CME) documents are not.

After all the efforts invested by *CMAJ* on issues of social justice, medical ethics and intellectual property rights, to prostitute your publication on behalf of a pharmaceutical company is heartbreaking. It only provides more evidence that physicians on the whole are completely incapable of navigating the muddy waters of conflict of interest.

I found it paradoxical that the editorial at the front of the same *CMAJ* issue says, “The public expects physicians to advocate for their individual and collective well-being.”¹

Unfortunately, the actions of *CMAJ* and the SOGC reinforce the notion that physicians today would rather advocate for the highest bidder.

Shelby Haque
PGY-1, Queen’s University Family
Medicine
Kingston, Ont.

REFERENCE

1. Physicians and advocacy [editorial]. *CMAJ* 2005; 172(11):1413.

Competing interests: None declared.

DOI:10.1503/cmaj.1050137

The SOGC stands by its conference highlight bundled with the May 24 issue of *CMAJ*. This highlight was authored by a writer at the SOGC and presented a report of interest from our international CME meeting. It detailed a conference given by one of our members, which was recorded on an audiotape to ensure the accuracy of the quotes. A full final review was performed by an obstetrician/gynecologist at the SOGC. The report is fully referenced and deals with many important issues concerning the use of oral contraception. The latter third deals with a new oral contraceptive, the first to be introduced in 7 years, and again reports fully referenced data.

New products are a reality in the