To the Editor:

We read with great interest the review of Bushnell et al. Since 2001 we encountered 4 women who experienced cerebral infarction during long-term hormone replacement therapy (HRT). We pointed out in our articles that their cerebral infarcts were attributable to HRT-mediated changes in the coagulation system. The review of Bushnell et al. described that the precise mechanism of an estrogen-associated increase in risk for venous (as well as arterial) thrombotic events remains unknown despite accumulated evidences of hemostatic biomarkers change in a prothrombotic direction. In our patients we observed depressed levels of protein C and S activity. Protein S activity returned to the normal range after cessation of HRT. The HRT-induced procoagulant state might be attributable to an interaction among subtle changes in the coagulation system. Based on our published findings, we strongly suggest that the level of protein C and S activity be monitored in women on long-term HRT to prevent the occurrence of stroke.

Disclosures

None.

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Stroke in Women During Long-Term Hormone Replacement Therapy Influencing Coagulation Systems
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An erratum has been published regarding this article. Please see the attached page for:
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In the article entitled “Stroke in Women During Long-Term Hormone Replacement Therapy Influencing Coagulation Systems” by Inoue et al1, one of the authors, Yukitake Ushio, is incorrectly spelled. The correct spelling is Yukitaka Ushio. The publisher regrets this error.

The corrected version can now be viewed online at http://stroke.ahajournals.org.