algesia for breast cancer and epidural analgesia for colon cancer.

Others will start soon.

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References

2. Exadaktylos AK, Buggy DJ, Moriarty DC, Mascha E, Sessler DI: Can anesthetic technique for primary breast cancer surgery affect recurrence or metastasis? ANESTHESIOLOGY 2006; 106:600–4

To the Editor:—In response to Moore et al. "Observations on Surgical Demand Time Series: Detection and Resolution of Holiday Variance," September 2008, it is worthwhile to speculate on the origin of some of the highly significant nontrivial cycles of surgical demand time that were detected in the authors' frequency analysis and that were not attributable to statutory holidays or other "trivial explanations."1

I would propose the possibility that at least two of the highly significant nonlinear variances are readily attributable to the cycle of Jewish holidays not accounted for in the authors' United States statutory holiday variance model. The 28.09-day cycle which the authors may rightly ascribe to possible "lunar effects" perhaps reflects the Jewish lunar calendar during which the three major festivals of Sukkoth, Passover, and Shavuot each occur at the full moon of their respective lunar months, and during which observant Jews refrain from most forms of non-life-saving work. Moreover, the 8.08-day cycle may reflect the power of a single 8-day cycle occurring during the Jewish high holidays between the second day of Rosh Hashanah and Yom Kippur. Again, observant Jews would refrain from work, including nonemergent surgeries, during these days.

Lending credence to this theory is the subjectively notable bump in variance in figure 7 that occurs after Labor Day and before Columbus Day during the period of the Jewish high holidays. Although the authors do not specify which major academic institution was the source of their data, the possibility of its coming from the University of Pennsylvania, home to one of the study authors as well as a large population of observant Jews, may lend further credence to my suggestion.

It would be interesting to see how accounting for some widely observed nonstatutory United States holidays such as the Jewish holidays mentioned above may have affected the authors' analysis. Of course, the data itself will ultimately determine the importance such holidays might have held in the analysis of the authors. If the above explanation were validated, it might perhaps lead to improved models for predicting surgical demand.

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Reference


In Reply:—The authors are grateful to Dr. Schonberger for his thoughtful comments with respect to our recent manuscript entitled "Observations on Surgical Demand Time Series: Detection and Resolution of Holiday Variance."1

Dr. Schonberger's speculations regarding the Jewish lunar calendar are astute, and we believe they may have merit. We are investigating these nontrivial cycles of surgical demand further and hope to determine a definitive answer in the near future.

References


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