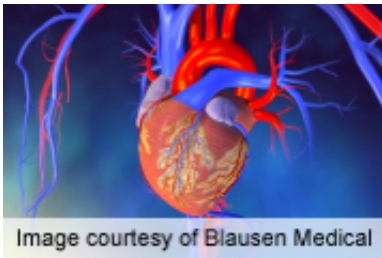


# Four-times daily ASA more effective in post-CABG patients

January 16 2015

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(HealthDay)—For patients undergoing coronary artery bypass graft (CABG) surgery, four-times daily acetyl-salicylic acid (ASA) seems more effective than once-daily 81 mg or 325 mg ASA, according to a study published online Dec. 27 in the *Journal of Thrombosis and Haemostasis*.

Jeremy S. Paikin, M.D., from McMaster University in Hamilton, Canada, and colleagues conducted a randomized study involving 100 [patients](#) undergoing CABG [surgery](#) to compare the effects of ASA 81 mg once-daily, ASA 325 mg once-daily, and ASA 81 mg four-times daily. The authors compared the effect on serum thromboxane B<sub>2</sub> (TXB<sub>2</sub>) suppression and arachidonate-induced [platelet](#) aggregation.

The researchers found that platelet counts decreased after surgery, reached a nadir on day two, then increased gradually. On the second or

third postoperative day there was near complete suppression of TXB<sub>2</sub>; levels increased on subsequent days. Patients receiving ASA 81 mg once-daily had the most marked increase, while the increase was less evident with four-times daily ASA 81 mg. Median TXB<sub>2</sub> levels were lower on postoperative day four with four-times daily ASA 81 mg versus once-daily ASA 81 mg or 325 mg. Suppression of platelet aggregation was more effective with ASA given four-times daily versus ASA 81 mg or 325 mg once-daily.

"Four-times daily ASA is more effective than ASA 81 mg and 325 mg once-daily at suppressing serum TXB<sub>2</sub> formation and platelet aggregation immediately following CABG surgery," the authors write.

Several authors disclosed financial ties to the pharmaceutical industry.

**More information:** [Abstract](#)  
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