

**Harvard Medical School Department of  
Continuing Education and the Cardiovascular  
Division of the Department of Medicine,  
Brigham and Women's Hospital**



***Cardiology Rounds***  
**January 2005**

**The Act of Balancing Bleeding versus Thrombosis**

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**Learning objectives:**

This issue of *Cardiology Rounds*, will help the reader to:

- Discuss the effect of hemostatic disorders on the risk of thrombosis
- Understand that mild bleeding disorders are often disregarded by patients – and physicians
- Describe how thrombotic conditions can be treated in spite of active bleeding
- Understand how, in the case of bleeding **and** thrombosis, to evaluate what carries the greatest risk at the moment and how to treat accordingly

**Test:**

1. Severe congenital hemostatic disorders provide only partial protection against thrombotic disorders.

True  False

2. A patient with the severe form of hemophilia or von Willebrand's disease should never be treated with clopidogrel and aspirin.

True  False

3. DDAVP has a pronounced profibrinolytic effect.

True  False

4. Tranexamic acid reduces bleeding from mucous membranes, as well as blood loss after major orthopedic surgery.

True  False

5. Vena cava filters reduce the immediate risk of pulmonary embolism and mortality.

True  False

6. One mg of phytomenadion (vitamin K<sub>1</sub>) is usually sufficient to reverse an abnormally high INR-level down to the therapeutic range.

True  False

7. Prothrombin complex concentrates are effective and appear safe for the reversal of vitamin K antagonists in case of bleeding.

True  False

To receive AMA category 1 credit, you must correctly answer 60% of the test questions.

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Harvard Medical School designates this educational activity for a maximum of 1 category 1 credit toward the AMA Physician's Recognition Award. Each physician should claim only those credits that he/she actually spent in the educational activity.

This program was issued in January 2005. All tests must be returned by June 30, 2005.

Please send the completed test and a check for \$25 US. (Check made payable to: Harvard Medical School) to: Harvard Medical School/Department of Continuing Education, Box 825, Boston, MA 02117-825.

Please keep a copy of your test before submission. A certificate will be sent upon successful completion of the test, along with the answer key.

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