IMPORTANT DRUG WARNING

Subject: Risk of Thrombotic Adverse Reactions with ANTHRASIL™, Anthrax Immune Globulin Intravenous (Human) [AIGIV]

Dear Health Care Provider:

The purpose of this letter is to inform you of important safety information for ANTHRASIL, Anthrax Immune Globulin Intravenous (Human) [AIGIV].

The FDA has received post-marketing reports of serious thrombotic adverse reactions associated with administration of other marketed intravenous and subcutaneous immune globulin products (IGIV, IGSC) in a wide range of patient populations. These thrombotic events have been linked to measurable procoagulant activity in the immune globulin products (1, 2, 3, 4). Results of an in-house analysis revealed measurable levels of procoagulant activity, activated Factor XI (FXIa) in lots of ANTHRASIL. Safe levels of procoagulant activity have not been established; however, procoagulant activity levels in the lots identified below approach levels that were reported when thrombotic reactions occurred with similar products.

To mitigate the potential for development of thromboembolic events, changes to the manufacturing process for ANTHRASIL have been made to minimize the occurrence of procoagulant activity. The following lots manufactured prior to this change contain measurable levels of procoagulant activity and present a greater potential risk for arterial and venous thrombosis in patients. Thrombosis is more likely in patients with pre-existing risk factors, including cardiovascular risk factors, advanced age, impaired cardiac output, hypercoagulable disorders, prolonged periods of immobilization, history of arterial or venous thrombosis, estrogen use, indwelling central vascular catheters, and/or known or suspected hyperviscosity:

• 11107255, 11007147, 11007105, 11006899, 10906528, 10804816, 10805861, 10906491

Dosing and Administration

ANTHRASIL is an immune globulin product indicated for the treatment of inhalational anthrax in adult and pediatric patients in combination with appropriate antibacterial drugs.

Per the FDA approved package insert (PI), the initial dose of ANTHRASIL for the treatment of inhalational anthrax in adults in combination with appropriate antimicrobial therapy is 420 units (seven vials). Data in animal models suggest that administration of higher doses may result in improved survival. An initial dose of 840 units (14 vials) may be considered, depending on the clinical status of the patient. Depending on the severity of symptoms and the response to treatment, consider an initial dose of 840 units (14 vials) and repeat dosing especially in patients experiencing substantial hemorrhage as reflected in large transfusion requirements, patients with
significant compartmental fluid losses such as from large volume and/or repeated therapeutic thoracentesis and/or abdominal paracentesis, and in patients whose own immune response may be impaired/delayed. Due to the potential for thrombotic events in patients at risk, physicians should consider the benefit/risk for doses greater than 420 units. Repeat dosing and single doses greater than 840 units in humans have not been studied.

**Prescriber Action**

Physicians should be aware of the risk of thrombotic events with the use of ANTHRASIL and refer to the Warnings and Precautions section of the Prescribing Information. For patients at risk of thrombosis, administer ANTHRASIL at the minimum infusion rate practicable. Ensure adequate hydration in patients before administration. Monitor for signs and symptoms of thrombosis and assess blood viscosity in patients at risk of hyperviscosity. The benefit of ANTHRASIL must be carefully balanced against the risk of thrombosis based on the clinical situation.

Physicians should inform patients and monitor for any symptoms of a thrombotic reaction, including shortness of breath, pain and swelling of a limb, focal neurological deficits, chest pain, and other manifestations of thrombotic and embolic events.

**Reporting Adverse Events**

Health care providers and patients are encouraged to report adverse events in patients taking ANTHRASIL to Cangene Pharmacovigilance at 1-800-768-2304. You also may report negative side effects to the U.S. Food and Drug Administration at 1-800-FDA-1088 or online at [www.fda.gov/medwatch](http://www.fda.gov/medwatch). Please provide the lot number(s) of products associated with reported adverse events whenever possible.

You may also contact our medical information department at medicalaffairs@ebsi.com if you have any questions about the information contained in this letter or the safe and effective use of ANTHRASIL.

This letter is not intended as a complete description of the benefits and risks related to the use of ANTHRASIL. Please refer to the enclosed Prescribing Information.

Sincerely,

(Ori

inal signed by)

Tim Babinchak, M.D.

VP, Clinical & Medical Affairs

Biodefense Division

Cangene Corporation, a subsidiary of Emergent BioSolutions Inc.

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References


