JID VisualDx Quiz: December 2013

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JID and Logical Images, Inc., have cooperated to offer the *JID* VisualDx Quiz, incorporating diagnostic images from VisualDx's vast database. Questions relate to the image as well as to selected articles in *JID*, which are listed after the questions. Answers will be posted as supplementary material. We hope you enjoy this challenge.

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QUESTIONS

1. **What is your diagnosis?**

   a. Venous dermatitis.

   b. Contact dermatitis.

   c. Impetigo.

   d. Cutaneous T-cell lymphoma (Woringer–Kolopp disease).

   e. Tinea corporis.

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2.   **Which of the following is true of UVB immune suppression?**

   a.   Contact dermatitis is inhibited by UVB in all persons.

   b.   It is not antigen-specific.

   c.   It is similar to drug-induced immune suppression.

   d.   It is mediated by regulatory T cells.

   e.   It can occur in the absence of DNA damage.

3.   **Support for aryl hydrocarbon receptor (AhR) involvement in UVB immune suppression includes all of the following, except:**

   a.   Blocking AhR prevents UVB immune suppression.

   b.   Activating AhR induces immune suppression.

   c.   AhR activation leads to reduction of Foxp3.

   d.   AhR action is mediated through CD4+ and CD25+ cells.

   e.   AhR knockout mice are resistant to UVB immune suppression.

TOPIC ARTICLE

Questions 2 and 3 refer to the following article:

Navid F, Bruhs A, Schuller W *et al.* (2013) The aryl hydrocarbon receptor is involved in UVR-induced immunosuppression.
   J Invest Dermatol 133:2763–2770

Answers are available as supplementary material at http://dx.doi.org/10.1038/jid.2013.412.

Additional images related to this condition and the differential diagnosis may be found at
http://info.visualdx.com/l/11412/2013-10-24/tq279