

**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.

**QUESTIONS**

1. **What is your diagnosis?**
   a. Venous dermatitis.
   b. Contact dermatitis.
   c. Impetigo.
   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:

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