

Cells to Surgery Quiz: August 2015

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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.



Image courtesy of Keyvan Nouri.

QUESTIONS

1. A 50-year-old man underwent Mohs micrographic surgery for removal of a basal cell carcinoma on the nasal dorsum/sidewall. The resulting full-thickness wound pictured above elicits which of the following?
 - a. Innate immune response.
 - b. Adaptive immune response.
 - c. Antigen presentation by dendritic cells.
 - d. All of the above.
 - e. None of the above.

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2. In their new study, Valvis *et al.* demonstrate that full-thickness excision and burn injuries of similar extent produce
- An equivalent innate immune response.
 - An equivalent adaptive immune response.
 - Equivalent changes in dendritic cell population and maturation.
 - All of the above.
 - None of the above.
3. Skin trauma from surgical and burn injuries is associated with which of the following?
- Systemic inflammatory response syndrome.
 - Compensatory anti-inflammatory response syndrome.
 - Bloodstream infections.
 - Increased risk of cancer in female burn patients.
 - All of the above.

TOPIC ARTICLE

The questions refer to the following article:

Valvis SM, Waithman J, Wood FM *et al.* (2015) The immune response to skin trauma is dependent on the etiology of injury in a mouse model of burn and excision. *J Invest Dermatol* 135:2119–28

Answers are available as supplementary material at <http://dx.doi.org/10.1038/jid.2015.215>.