



www.isabelhealthcare.com

**Case 34 (October 29 2009):** [N Engl J Med. 361\(18\):1787-1796](#)

**Demographic:** Male, 20 yrs, America North, General speciality

**Clinical features extracted from the case and entered into the query box:**

sore throat  
fever  
diffuse papulovesicular rash  
cervical lymphadenopathy  
hemorrhagic vesicles  
malaise  
diarrhea

**Synonyms used by Isabel PRO for the above query:**

sore throat  
fever  
diarrhea  
malaise  
cervical lymphadenopathy  
rash

**STOP !**

**Before you read further you might want to construct your own:**

- Complete differential diagnosis
- Final diagnosis

**In the following section you will find:**

- The differential diagnosis constructed by the MGH panel
- The final diagnosis of the case
- Which of the MGH panel differential diagnoses did Isabel PRO contain
- Did Isabel PRO suggest the Final diagnosis

**Differential Diagnoses considered by the MGH panel:**

Erythema multiforme

**Final Diagnosis of the case according to NEJM:**

PLEVA (pityriasis lichenoides et varioliformis acuta)

**Isabel Healthcare Inc**

3120 Fairview Park Drive, Suite 200, Falls Church, VA 22042

Tel: +1.703.289.8855



www.isabelhealthcare.com

**Differential Diagnoses of the case as given by Isabel PRO:**

Erythema multiforme under Dermatology

**Was the final diagnosis given by Isabel PRO:**

Yes, PLEVA (pityriasis lichenoides et varioliformis acuta) under Dermatology

**Isabel PRO Final Diagnosis:**

The screenshot displays the Isabel PRO interface, divided into two main sections: 'ENTER CLINICAL FEATURES' and 'DEGREE OF MATCH'.

**ENTER CLINICAL FEATURES:** This section includes dropdown menus for 'age' (young adult (16 - 30 years)), 'gender' (male), 'pregnancy' (- not specified -), 'region' (America North), and 'speciality' (General). Below these is a text input area for 'ENTER QUERY TERMS ON SEPARATE LINES:' containing the following terms: sore throat, fever, diffuse papulovesicular body rash, cervical lymphadenopathy, hemorrhagic vesicles, malaise, and diarrhea. There are buttons for '+ Add a Clinical Feature', 'Get Checklist »', 'Help', and 'Search Again'. A disclaimer at the bottom states: 'Isabel PRO is not meant to replace your clinical judgment.'

**DEGREE OF MATCH:** This section shows search results under the heading '4 DERMATOLOGY DISORDERS'. The results are: Erythema Multiforme, Steven-Johnson Syndrome, Pityriasis Lichenoides, and Seabather's Eruption. A yellow callout box highlights the match for Pityriasis Lichenoides, stating: 'Why did this diagnosis come up? We matched the terms: fever | fevers | diarrhoea | papulovesicular | hemorrhag | hemorrhagic. Degree of match between query entered and Isabel database (Not clinical probability): 56%'. Below the disorders, there is a section for '8 Body Systems' with a 'Show All' link, listing categories like INFECTIOUS DISEASES, DERMATOLOGY DISORDERS, RHEUMATIC DISEASES, RESPIRATORY DISORDERS, GASTROINTESTINAL DISORDERS, CARDIAC DISORDERS, ALLERGIC DISORDERS, and NEOPLASTIC DISEASES.

**Isabel Healthcare Inc**

3120 Fairview Park Drive, Suite 200, Falls Church, VA 22042

Tel: +1.703.289.8855