
**Demographic:** Female, 10yrs, America North, General Speciality

**Clinical features extracted from the case and entered into the query box:**
- fever
- rash
- petechiae
diffuse, erythematous morbilliform rash with extensive confluence, visible on upper body, with blanching and vesicles
- Nikolskys sign positive
- multiple vesicles and ulcers on the oral and lingual mucosa, with desquamation of the lingual mucosa

**Synonyms used by Isabel for the above query:**
- Fever
- Rash
- Petechiae
- Nikolskys sign positive

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 contain
- Did Isabel suggest the Final diagnosis
**Differential Diagnoses considered by the MGH panel:**

Table 3. Differential Diagnosis of Bullous Exfoliative Erythroderma in a Child.
- Bullous erythema multiforme
- Stevens–Johnson syndrome or toxic epidermal necrolysis
- Staphylococcal scalded skin syndrome (Staphylococcus aureus exotoxin, phage group II, type 71)
- Infection with varicella–zoster virus
- Generalized contact dermatitis
- Scarlet fever (due to group A beta-hemolytic streptococcal exotoxin)
- Toxic shock syndrome
- Bullous congenital ichthyosiform erythroderma (epidermolytic hyperkeratosis)
- Primary immunologically mediated bullous diseases (bullous pemphigoid, linear IgA disease of childhood)
- Bullous lupus erythematosus
- Bullous mastocytosis

**Final Diagnoses of the case according to NEJM:**
Toxic epidermal necrolysis

**Differential Diagnoses of the case as given by Isabel:**
- Toxic epidermal necrolysis – Isabel 1st page
- Staphylococcal scalded skin syndrome (SSSS) – Isabel 1st page
- Toxic shock syndrome – Isabel 1st page
- Scarlet fever – Isabel 1st page
- Stevens–Johnson syndrome – click on Infectious diseases heading
- Varicella–zoster virus infection – click on Infectious diseases heading

**Was the final diagnosis given by Isabel:**
Yes, Isabel 1st page

**Entire presentation cut and pasted into the Isabel query box:**
None of the above
**Isabel differential:**

<table>
<thead>
<tr>
<th>INFECTIOUS DISEASES</th>
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<tbody>
<tr>
<td>Meningococcal Disease</td>
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<tr>
<td>Toxic Shock Syndrome</td>
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<tr>
<td>Herpes Simplex Virus Infection</td>
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<tr>
<td>Measles Infection</td>
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<td>Pemphigus</td>
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