

**Case 32 (October 16 2008):** [N Engl J Med. 359\(16\):1718-1724](#)

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

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

recurrent "oral ulcers"  
cutaneous bullae

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

Oral ulcers

**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:**

Epidermolysis bullosa

Contact dermatitis

Pompholyx

Recurrent Erythema Multiforme due to HSV

Behçet's syndrome

Crohn's disease

Acrodermatitis enteropathica due to Zinc deficiency



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

Acrodermatitis Enteropathica

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

Epidermolysis bullosa – under Dermatology heading

Contact dermatitis - under Dermatology heading

Erythema Multiforme - under Dermatology heading

Crohn's disease- under Gastrointestinal disorders heading

Acrodermatitis enteropathica – under Gastrointestinal disorders heading

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

Yes, under Gastrointestinal disorders heading

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**Isabel Differential:**

- DERMATOLOGY >> click to collapse	+ INFECTIOUS DISEASES << click to expand
<ul style="list-style-type: none"> <li><input type="checkbox"/> <a href="#">Impetigo</a> <span style="float: right;">? RD</span></li> <li><input type="checkbox"/> <a href="#">Necrotizing Fasciitis</a> <span style="float: right;">? RD</span></li> <li><input type="checkbox"/> <a href="#">Contact Dermatitis</a> <span style="float: right;">? RD</span></li> <li style="padding-left: 20px;"><a href="#">Apthous Stomatitis</a> <span style="float: right;">? RD</span></li> <li><input type="checkbox"/> <a href="#">Dermatophyte Infections</a> <span style="float: right;">? RD</span></li> <li style="padding-left: 20px;"><a href="#">Steven-Johnson Syndrome</a> <span style="float: right;">? RD</span></li> <li style="padding-left: 20px;"><a href="#">Staphylococcal Scalded Skin Syndrome</a> <span style="float: right;">? RD</span></li> <li style="padding-left: 20px;"><a href="#">Toxic Epidermal Necrolysis</a> <span style="float: right;">? RD</span></li> <li><input type="checkbox"/> <a href="#">Mast Cell Disease</a> <span style="float: right;">? RD</span></li> <li><input type="checkbox"/> <a href="#">Pemphigus</a> <span style="float: right;">? RD</span></li> <li style="padding-left: 20px;"><a href="#">Pemphigoid</a> <span style="float: right;">? RD</span></li> <li style="padding-left: 40px;"><a href="#">Erythema Multiforme</a> <span style="float: right;">? RD</span></li> <li style="padding-left: 40px;"><a href="#">Cutaneous Aspergillus</a> <span style="float: right;">? RD</span></li> <li><input type="checkbox"/> <a href="#">Skin Pigmentation Disorders</a> <span style="float: right;">? RD</span></li> <li><input type="checkbox"/> <a href="#">Epidermolysis Bullosa</a> <span style="float: right;">? RD</span></li> <li style="padding-left: 20px;"><a href="#">Skin Manifestations in Immunocompromised Hosts</a> <span style="float: right;">? RD</span></li> <li style="padding-left: 20px;"><a href="#">Calciphylaxis in CRF</a> <span style="float: right;">? RD</span></li> <li style="padding-left: 20px;"><a href="#">Leukemia Cutis</a> <span style="float: right;">? RD</span></li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> <a href="#">Gr. A Streptococcus Infection</a> <span style="float: right;">? RD</span></li> </ul>
+ RHEUMATIC DISEASES << click to expand	+ IMMUNOLOGIC SYSTEM << click to expand
<ul style="list-style-type: none"> <li><input type="checkbox"/> <a href="#">SLE</a> <span style="float: right;">? RD</span></li> <li style="padding-left: 20px;"><a href="#">Kawasaki Disease</a> <span style="float: right;">? RD</span></li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> <a href="#">Graft Versus Host Disease</a> <span style="float: right;">? RD</span></li> <li><input type="checkbox"/> <a href="#">Disorders of Neutropenia</a> <span style="float: right;">? RD</span></li> </ul>
- GASTROINTESTINAL DISORDERS >> click to collapse	+ METABOLIC DISEASES << click to expand
<ul style="list-style-type: none"> <li><input type="checkbox"/> <a href="#">Oropharyngeal Candidiasis</a> <span style="float: right;">? RD</span></li> <li><input type="checkbox"/> <a href="#">Inflammatory Bowel Disease</a> <span style="float: right;">? RD</span></li> <li style="padding-left: 20px;"><a href="#">Crohn's Disease</a></li> <li style="padding-left: 20px;"><a href="#">Ulcerative Colitis</a></li> <li style="padding-left: 20px;"><a href="#">Acrodermatitis Enteropathica</a> <span style="float: right;">○ RD</span></li> </ul>	+ ALLERGIC DISORDERS << click to expand
<p><b>Why did this diagnosis come up ?</b> <span style="float: right;">✖</span></p> <p><b>We matched the terms:</b> oral ulcer   mouth ulcer   recurrent   cutan   cutaneous   bulla   bullae</p> <hr/> <p><b>Degree of match between query entered and isabel database (Not clinical probability):</b> 59%</p>	+ NERVOUS SYSTEM DISORDERS << click to expand
+ RESPIRATORY DISORDERS << click to expand	+ SHOCK STATES << click to expand
+ NEOPLASTIC DISEASES << click to expand	
+ CARDIAC DISORDERS << click to expand	