

Case 39 (December 20 2007): [N Engl J Med. 357\(25\):2616-2623](#)

Demographic: Female, 5yrs, America North, General speciality

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

Reddish-brown edematous plaque
Scattered reddish-brown papules across body

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:

Urticaria Pigmentosa
Disseminated Juvenile Xanthogranuloma
Generalized Eruptive Histiocytosis / Langerhans Cell Histiocytosis Class 1
Leukemia Cutis

Final Diagnosis of the case according to NEJM:

Acute myeloid leukemia with a t(11q23) translocation, with involvement of the skin (leukemia cutis).

Differential Diagnoses of the cases given by Isabel:

Urticaria Pigmentosa – Expand Dermatology heading under Mast Cell Disease
Disseminated Juvenile Xanthogranuloma – Expand Dermatology heading
Generalized Eruptive Histiocytosis / Langerhans Cell Histiocytosis Class 1 –
Neoplastic diseases heading
Leukemia Cutis – Expand Dermatology heading

Was the final diagnosis given by Isabel:

Acute Myeloid Leukemia – Neoplastic diseases heading under Leukemia



isabel

knowledge.diagnosis.treatment

www.isabelhealthcare.com

Leukemia Cutis – Expand Dermatology heading

Isabel Differential:

Neoplastic diseases:

| | |
|--|--|
| + NEOPLASTIC DISEASES << click to expand | |
| - Leukemia ? Related Dx | |
| - Acute Lymphoblastic Leukemia | |
| - Acute Myeloblastic Leukemia | |
| - Chronic Myelogenous Leukemia | |
| - Juvenile Chronic Myelogenous Leukemia | |

Expand Dermatology heading:

| | |
|--|--|
| - DERMATOLOGY >> click to collapse | |
| + Impetigo ? Related Dx | |
| + Contact Dermatitis ? Related Dx | |
| + Non Melanoma Skin Cancer ? Related Dx | |
| + Cutaneous Candida ? Related Dx | |
| + Photosensitivity Skin Disorders ? Related Dx | |
| + Scabies ? Related Dx | |
| + Pediculosis ? Related Dx | |
| Steven-Johnson Syndrome ? Related Dx | |
| + Psoriasis ? Related Dx | |
| Toxic Epidermal Necrolysis ? Related Dx | |
| + Mast Cell Disease ? Related Dx | |
| + Panniculitis ? Related Dx | |
| Folliculitis ? Related Dx | |
| Lichen Planus ? Related Dx | |
| Lichen Spinulosus ? Related Dx | |
| Balanitis Xerotica Obliterans ? Related Dx | |
| Hemangiomas ? Related Dx | |
| Lichen Simplex Chronicus ? Related Dx | |
| Erythema Multiforme ? Related Dx | |
| Lichen Nitidus ? Related Dx | |
| Juvenile Xanthoangioloma ? Related Dx | |
| Granuloma Annulare ? Related Dx | |
| Tuberculosis of the Skin ? Related Dx | |
| Epidermodysplasia Verruciformis ? Related Dx | |
| Epidermal Nevi ? Related Dx | |
| Leukemia Cutis ? Related Dx | |
| ... ? Related Dx | |