How can dermoscopy help me with pigmented lesions on the face?

S027 - Managing Patients with Melanoma or Other Melanocytic Neoplasms
Saturday 02/17/2018, 1 – 1:18
Room 7B
Jennifer Stein, MD PhD
The Ronald O. Perelman Department of Dermatology
DISCLOSURE OF RELATIONSHIPS WITH INDUSTRY

Jennifer A. Stein, MD PhD
S027 - Managing Patients with Melanoma or Other Melanocytic Neoplasms

DISCLOSURES
MoleSafe, UpToDate
Dermoscopy of the Face

How to Diagnose Lentigo Maligna
Dermoscopy Algorithm for the Face

LESION OF CONCERN

MELANOMA SPECIFIC FEATURES

SPECIFIC FEATURES OF AN ALTERNATE DIAGNOSIS:
- SEBORRHEIC KERATOSIS, SOLAR LENTIGO

NOT SURE
Dermoscopy Algorithm for the Face

Lesion of Concern

Melanoma Specific Features

Specific Features of an Alternate Diagnosis: Not Sure

- Seborrheic Keratosis, Solar Lentigo
Dermoscopy of Lentigo Maligna

- Lentigo Maligna Tracks Down Hair Follicles
- Explains why dermoscopic features of lentigo maligna surround hair follicles

Zalaudek et al Arch Dermatol. 2008;144(10):1375-9
<table>
<thead>
<tr>
<th>Grey Dots</th>
<th>Asymmetric follicular openings</th>
<th>Rhomboidal structures</th>
<th>Homogenous areas</th>
<th>Respect or Obliterate hair follicles</th>
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</thead>
</table>

At least one of these features was present in 87% of 125 cases of LM


Look out for grey dots, but not 100% specific

• Aggregated dots around hair follicle
  • Slate gray
  • Annular granular pattern
Asymmetric follicular openings
• Semi-circles of darker pigment

Rhomboidal structures

Look for Linear Streaky Pigment Making Geometric Shapes
Rhomboidal structures

Zig-Zag pattern - (incomplete rhomboidal structures)

Slutsky and Marghoob Arch Dermatol. 2010
Blotches

• Homogenous areas
• Some hair follicles respected
Dermoscopy Algorithm for the Face

Lesion of Concern

Melanoma Specific Features:
- Dots, Rhomboid, Blotch
- Atypical Vascular Structures

Specific Features of an Alternate Diagnosis:
- Seborrheic Keratosis, Solar Lentigo

Not Sure
Look out for Red or Pink

Also - Increased vascular density

Red rhomboidal structures (dark arrows)
Lentigo maligna melanoma on the temple, 0.25 mm

Watch out for gray

• Tiodorovic-Zivkovic et al J Am Acad Dermatol, 2015
• 201 cases from 200 patients In 102 cases
• Dermoscopically, gray color irrespective of a specific pattern was the most prevalent finding seen in 178 (88.6%) LM cases
Dermoscopy Algorithm for the Face

Lesion of Concern

Melanoma Specific Features:
- Dots, Rhomboid, Blotch
- Atypical Vascular Structures

Specific Features of an Alternate Diagnosis:
- Seborrheic Keratosis, Solar Lentigo

Not Sure
Solar Lentigo / Seb Keratosis
Fingerprint structures
Moth-eaten borders
Milia-like cysts / Comedone-like openings
Pigmented Actinic Keratosis

  • Grey dots
  • Asymmetric follicular openings
  • Rhomboidal structures
• Scale, white, red more common in PAK (Lallas et al Br J Dermatol 2016)
• Often have red / pinker lines “strawberry pattern”
Pigmented AK and Lentigo Maligna: Can occur simultaneously
June 7th and 8th, 2018

NYU Langone Medical Center, Farkas Auditorium
550 First Avenue, New York, NY 10016
http://dermatology.med.nyu.edu/events-conferences/advances-dermatology
Thank you!

jas231@nyumc.org
212-263-5889