Dermoscopy of the Face and Lentigo Maligna

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F088 – Dermoscopy for the Non-Dermoscopist
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DISCLOSURE OF RELATIONSHIPS WITH INDUSTRY

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F088: Dermoscopy for the Non-Dermoscopist

DISCLOSURES
I do not have any relevant relationships with industry.
- Approach to Dermoscopy on the Face
- Dermoscopic features of Lentigo Maligna
  - Gray dots
  - Asymmetric follicular openings
  - Rhomboidal structures
  - Homogenous areas
<table>
<thead>
<tr>
<th>Melanoma in situ</th>
<th>Pigmented Actinic Keratosis</th>
<th>Solar lentigo/Seborrheic keratosis/Lichen planus-like keratosis</th>
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Pigmented macules on sun-damaged skin on the head/neck
Dermoscopy of the Face:
Remember that there are **different rules**

Regular pigment network  Pseudonetwork

Lallas et al, Clinics in Dermatology, 2014
Dermoscopy algorithm for the face

Lesion of concern

Melanoma specific features

Specific features of an alternative diagnosis: SK, BCC, angioma, lentigo

Not sure
• Lentigo maligna tracks down hair follicles

• Explains why dermoscopic features of lentigo maligna surround hair follicles
Dermoscopic Features in Lentigo Maligna

Gray Dots
Asymmetric follicular openings
Rhomboidal structures
Homogenous areas

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

Schiffner, et al. JAAD, 2000
Dermoscopic Features in Lentigo Maligna

Gray Dots
Aggregated gray dots around hair follicles

- Also known as the annular granular pattern
Gray dots are not 100% specific

What lesion types can have gray dots?

- Lentigo maligna
- Lichen planus-like keratosis (LPLK)
- Pigmented AK
- Lentigo
Dermoscopic Features in Lentigo Maligna

Asymmetric follicular openings
Asymmetric follicular openings

- Semi-circles of darker pigment

Dermoscopic Features in Lentigo Maligna

Rhomboidal structures

Look for:

Dark pigment around follicles forming geometric shapes (rhomboids)
Rhomboidal structures
The ‘Lone Ranger’ Sign
Dermoscopic Features in Lentigo Maligna

Homogenous areas/blotches

May respect or obliterate hair follicles

Homogenous areas

Some hair follicles respected, others obliterated
Multiple features in 1 lesion

- Gray Dots
- Asymmetric follicular openings
- Rhomboidal structures
- Homogenous areas

Dermoscopy algorithm for the face

Lesion of concern

• Gray dots
• Asymmetric follicular openings
• Rhomboidal structures
• Blotches

Melanoma specific features

Specific features of an alternative diagnosis:
SK, BCC, angioma, lentigo

Not sure
Thank you
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