What’s NEW in Scarring Alopecia?

A 2017 Update to the Canadian Association of Scarring Alopecias (CASA)

Dr. Jeff Donovan
I have no conflicts of interest about any materials
Key points

- New insights have occurred in all scarring alopecias
  - Chronic cutaneous lupus erythematosus
  - Lichen planopilaris
  - Classic pseudopelade of Brocq
  - Central Centrifugal cicatricial alopecia
  - Alopecia mucinosa
  - Keratosis follicularis spinulosa decalvans
  - Folliculitis decalvans
  - Dissecting cellulitis
  - Acne keloidalis
  - Acne necrotica
  - Erosive pustular dermatosis
Key points

- By far the greatest amount of new information has occurred in the field of
Key points

- By far the greatest amount of new information has occurred in the field of Frontal fibrosing alopecia (FFA)
What’s new in the last 18 month?

- Lichen planopilaris (LPP)
- Frontal Fibrosing Alopecia (FFA)
- Central Centrifugal Cicatricial Alopecia (CCCA)
Lichen planopilaris
Treatments

- Topical steroids (Clobetasol, etc)
- Steroid injections (Kenalog)
- ORAL MEDICATIONS
  - Hydroxychloroquine (Plaquinil and generics)
  - Doxycycline
  - Methotrexate
Treatments

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How well does Hydroxychloroquine work in LPP?
How well does Hydroxychloroquine work in LPP?

The role of hydroxychloroquine in the treatment of lichen planopilaris: A retrospective case series and review

E. Nic Dhonncha  |  C. C. Foley  |  T. Markham
How well does Hydroxychloroquine work in LPP?

- 27 patients
- 14 patients (61%) had full clinical response
Is LPP associated with hormonal abnormalities?

Prevalence of hormonal and endocrine dysfunction in patients with lichen planopilaris (LPP): A retrospective data analysis of 168 patients

Geraldine Cheyana Ranasinghe, BS, Melissa P. Piliang, MD, and Wilma F. Bergfeld, MD

Cleveland, Ohio; and Washington, District of Columbia
How does LPP compare to FFA?

**LPP**
- More likely to have “androgen excess”
- High adrenal androgens or PCOS

**FFA**
- More likely to have low androgens
How does LPP compare to FFA?

**LPP**
- More likely to have “androgen excess”
- High adrenal androgens or PCOS
- Diabetes, acne, vitamin D deficiency, seborrheic dermatitis and polycystic ovaries

**FFA**
- More likely to have low androgens
Dermatologists should consider screening for androgens in women with LPP and FFA

- Free and total testosterone
- DHEAS, androstenedione
Frontal fibrosing alopecia
Frontal Fibrosing Alopecia
Monitoring Treatment
Photos are essential
Frontal fibrosing alopecia: possible association with leave-on facial skin care products and sunscreens; a questionnaire study†

Study involved a questionnaire
105 subjects with FFA and 100 controls.
Among associations with statistical significance, more frequent regular use of sunscreens among patients with FFA

Because not all patients presented this associated factor, the authors hypothesize that the culprit substance might also be present in moisturizers and foundations.
## FFA vs Individuals without FFA

<table>
<thead>
<tr>
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<th>Used by (%)</th>
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<tbody>
<tr>
<td></td>
<td>FFA</td>
</tr>
<tr>
<td>Facial hair removal</td>
<td>30</td>
</tr>
<tr>
<td>Computer screen use</td>
<td>65</td>
</tr>
<tr>
<td>Shampoo&lt;sup&gt;a&lt;/sup&gt;</td>
<td>73</td>
</tr>
<tr>
<td>Sunscreen&lt;sup&gt;a&lt;/sup&gt;</td>
<td>48</td>
</tr>
<tr>
<td>Hair dye&lt;sup&gt;b&lt;/sup&gt;</td>
<td>61</td>
</tr>
<tr>
<td>Oral contraceptive&lt;sup&gt;c&lt;/sup&gt;</td>
<td>66</td>
</tr>
</tbody>
</table>
What about FFA in men?

Frontal fibrosing alopecia in men – an association with facial moisturisers and sunscreens

Authors

A. Debroy-Kidambi¹, K. Dobson¹, S. Holmes², D. Carauna², V. Del Marmol³, A. Vujovic³, M. Kaur⁴, A. Takwale⁵, P. Farrant⁶, C. Champagne⁷, M. Harries⁸, A. G. Messenger¹
What about FFA in men?

- 17 men with FFA compared to 73 controls

<table>
<thead>
<tr>
<th></th>
<th>FFA</th>
<th>No-FFA</th>
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<tbody>
<tr>
<td></td>
<td>100 % used facial moisturizers</td>
<td>40 % used facial moisturizers</td>
</tr>
<tr>
<td></td>
<td>94 % used 2 x per week</td>
<td>32 % used 2 x per week</td>
</tr>
<tr>
<td></td>
<td>35 % used sunscreens 2 x per week</td>
<td>4 % used 2 x per week</td>
</tr>
</tbody>
</table>
FFA in Black Women
FFA in Black Women

- Hyperpigmentation of the Face now understood to be an important finding unique to women.

Callender VD et al.
Diagnostic Clues to Frontal Fibrosing Alopecia in Patients of African Descent.
Frontal fibrosing alopecia and environment: may tobacco be protective?

There was a higher prevalence of severe FFA among non-smokers.

Tobacco exposure was found to be a protective factor.
Frontal Fibrosing Alopecia and Increased Scalp Sweating: Is Neurogenic Inflammation the Common Link?

Matthew J. Harries, a, * Sharon Wong, b and Paul Farrant c

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11 women were presented with increased sweating, often in the area of hair loss.

Treatment

- Botox injections helped one and decreased inflammation too
- Topical steroids and steroid injections
- Antibiotics
Central centrifugal cicatricial alopecia (CCCA)
Central Centrifugal Cicatricial Alopecia - CCCA
Does CCCA occur in children?

Central Centrifugal Cicatricial Alopecia in Children: A Case Series and Review of the Literature

Ariana N. Eginli, B.A.,* Ncoza C. Dlova, M.B.Ch.B., Ph.D.,† and Amy McMichael, M.D.*

*Wake Forest Baptist Health, Winston-Salem, North Carolina, †Nelson R. Mandela School of Medicine, University of KwaZulu-Natal, Durban, South Africa
Does CCCA occur in children?

- Six children with biopsy proven CCCA presented
- 5 of the 6 children wore hair natural
- 5 of 6 had a known family history of CCCA (1 unknown)

Is genetic susceptibility more important than hair care practices?
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