Alopecia areata

Lidia Rudnicka

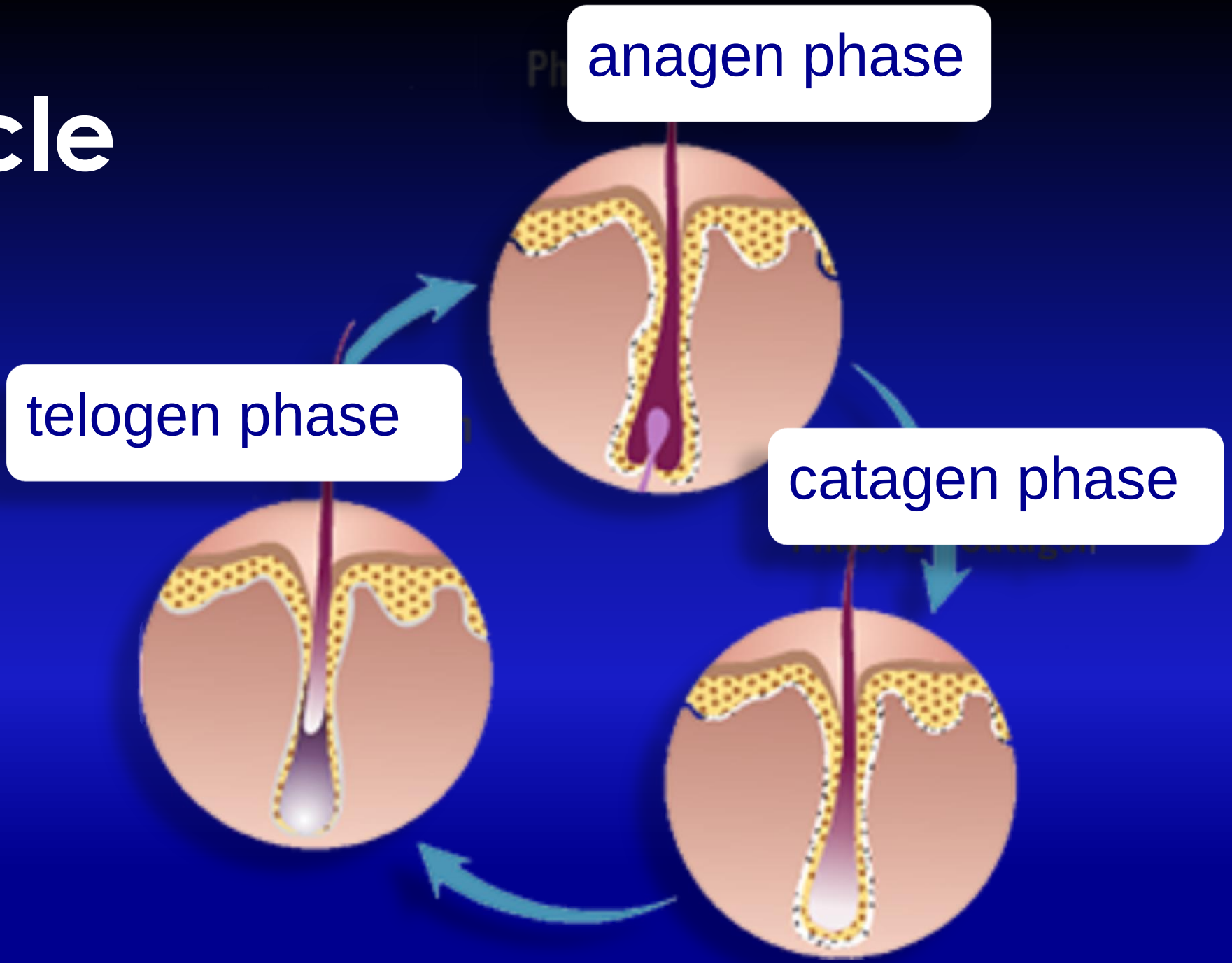
Department of Dermatology, Medical University of Warsaw

Poland

I have no relevant conflicts of interest

lidiarudnicka@gmail.com

Hair cycle



anagen effluvium

Anagen effluvium occurs after any insult to the hair follicle that impairs its **mitotic activity**.

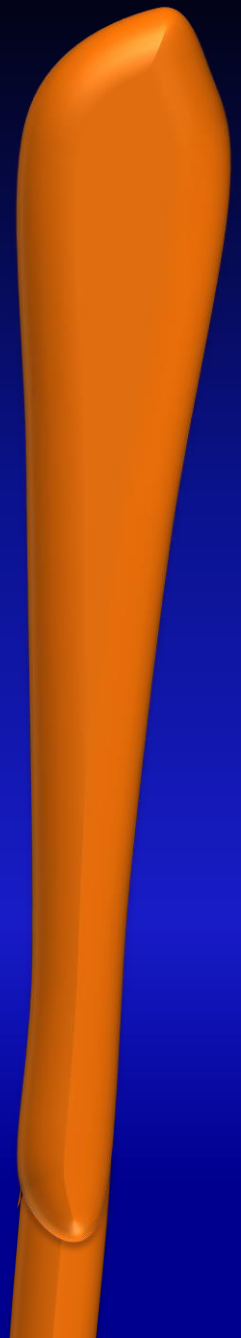
Causes:

Inflammatory (alopecia areata)

Drug-induced (chemotherapy, retinoids)

Toxic (thallium, arsenic)

Extreme nutrient deficiencies



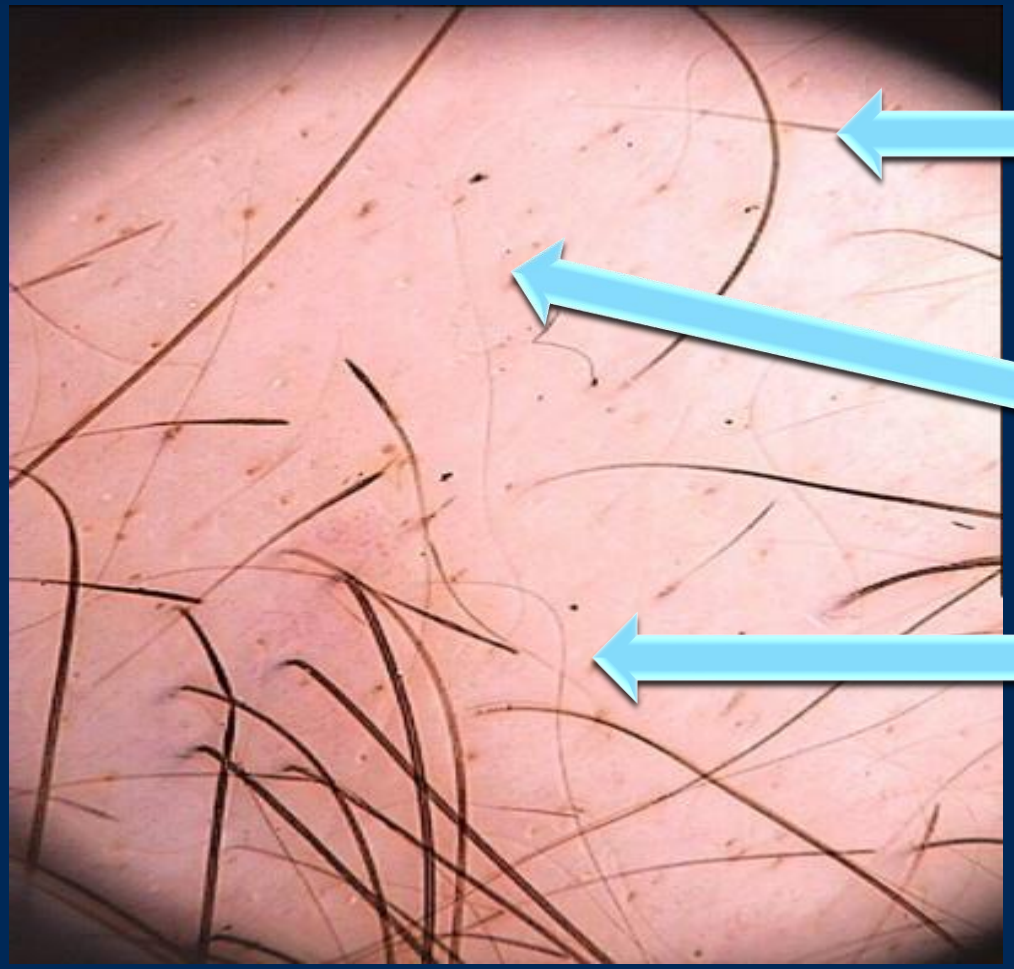
High mitotic activity - thick hair

Low mitotic activity - thin hair

No mitotic activity - no hair

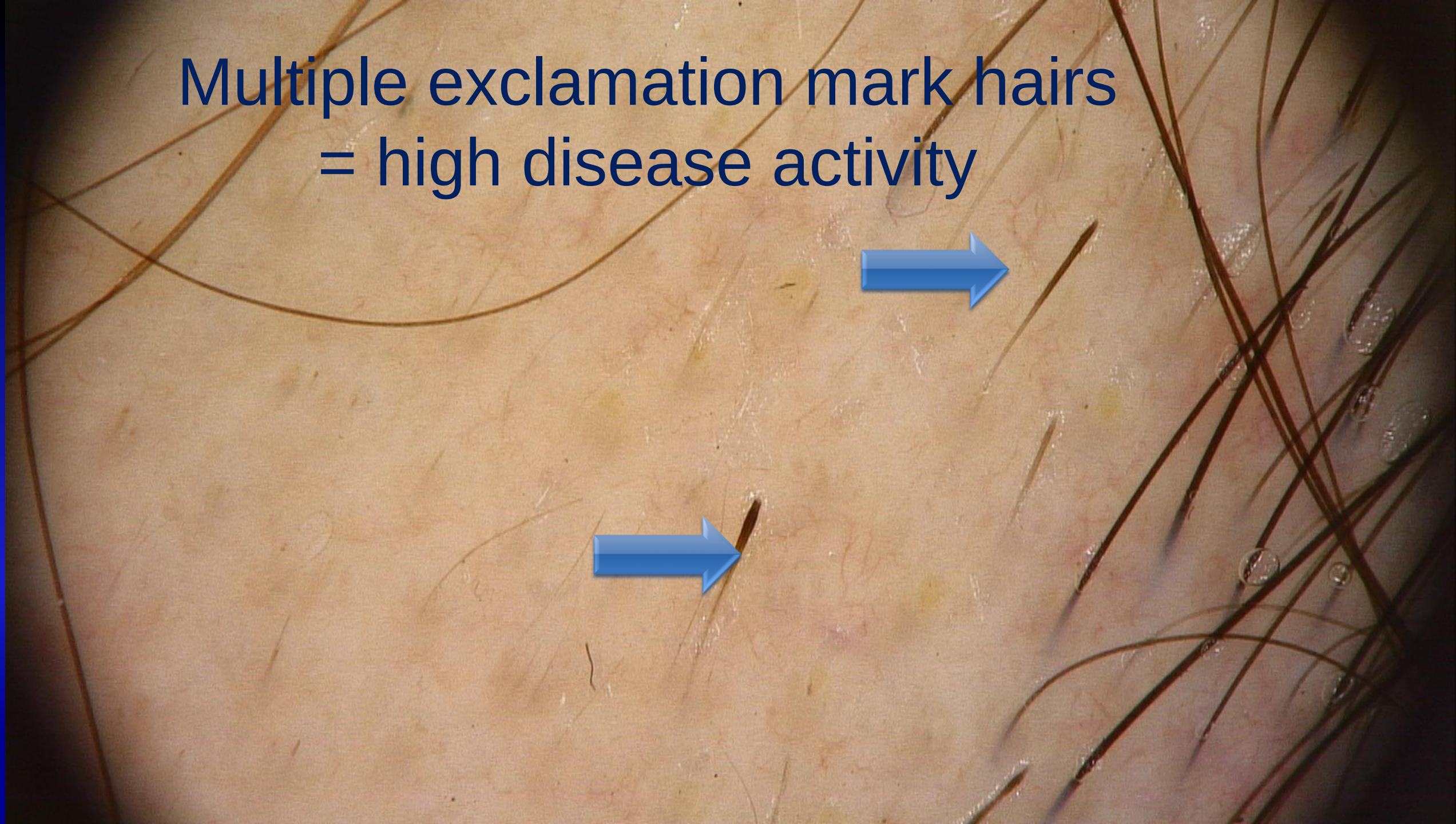
- Common trichoscopy features of AA
- Rare trichoscopy features of AA
- Trichoscopic cases in AA

Alopecia areata in trichoscopy

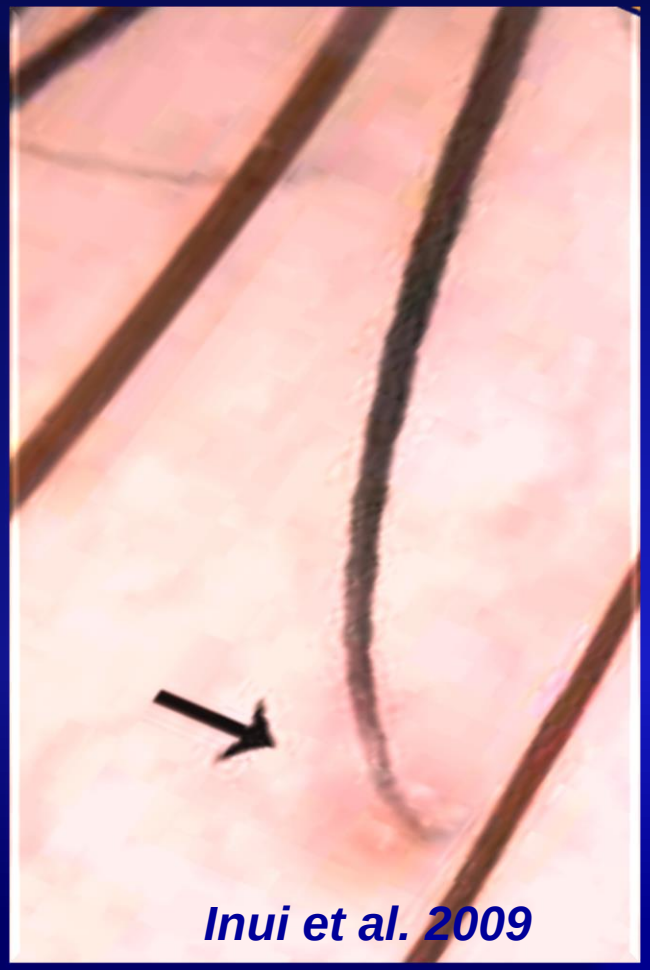


- Exclamation mark hairs
- Black dots
- Yellow dots

Multiple exclamation mark hairs = high disease activity



Alopecia areata – tapered hairs

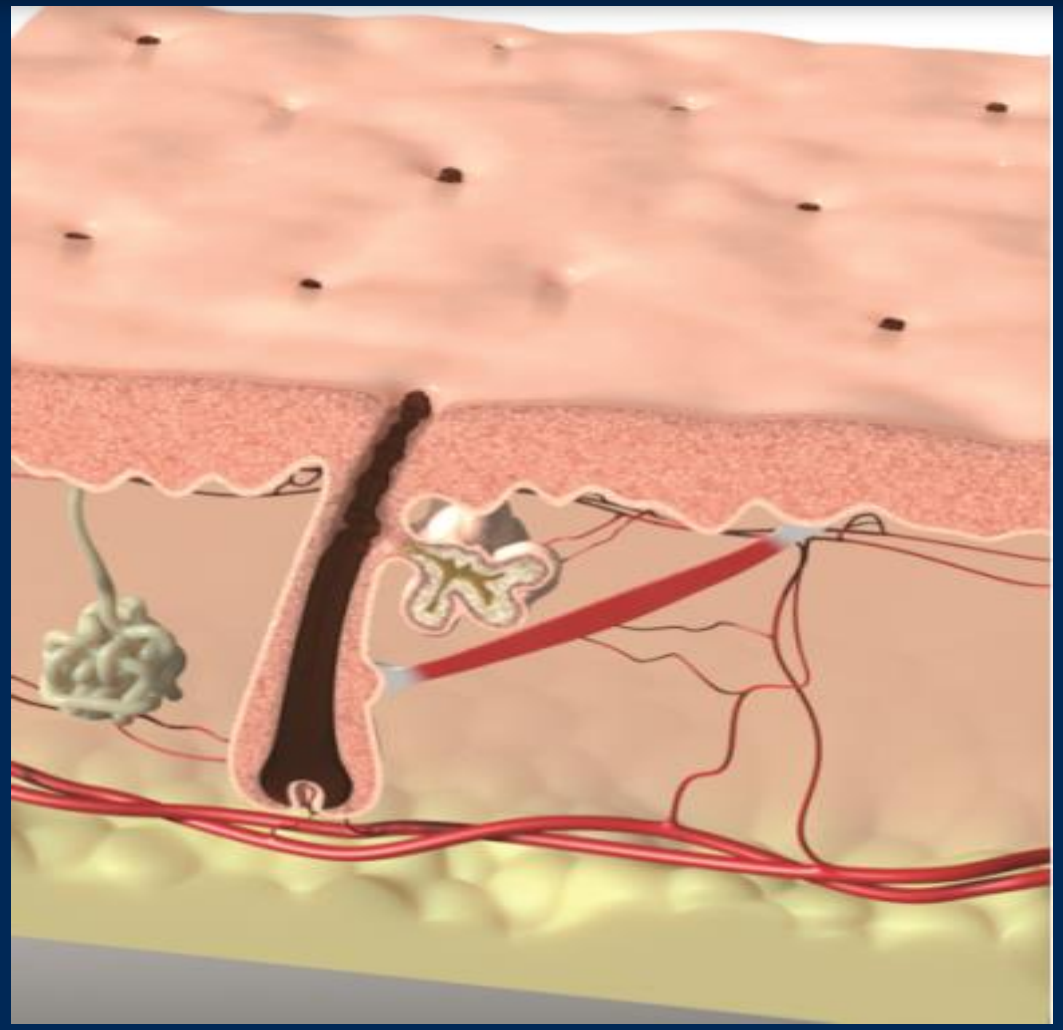


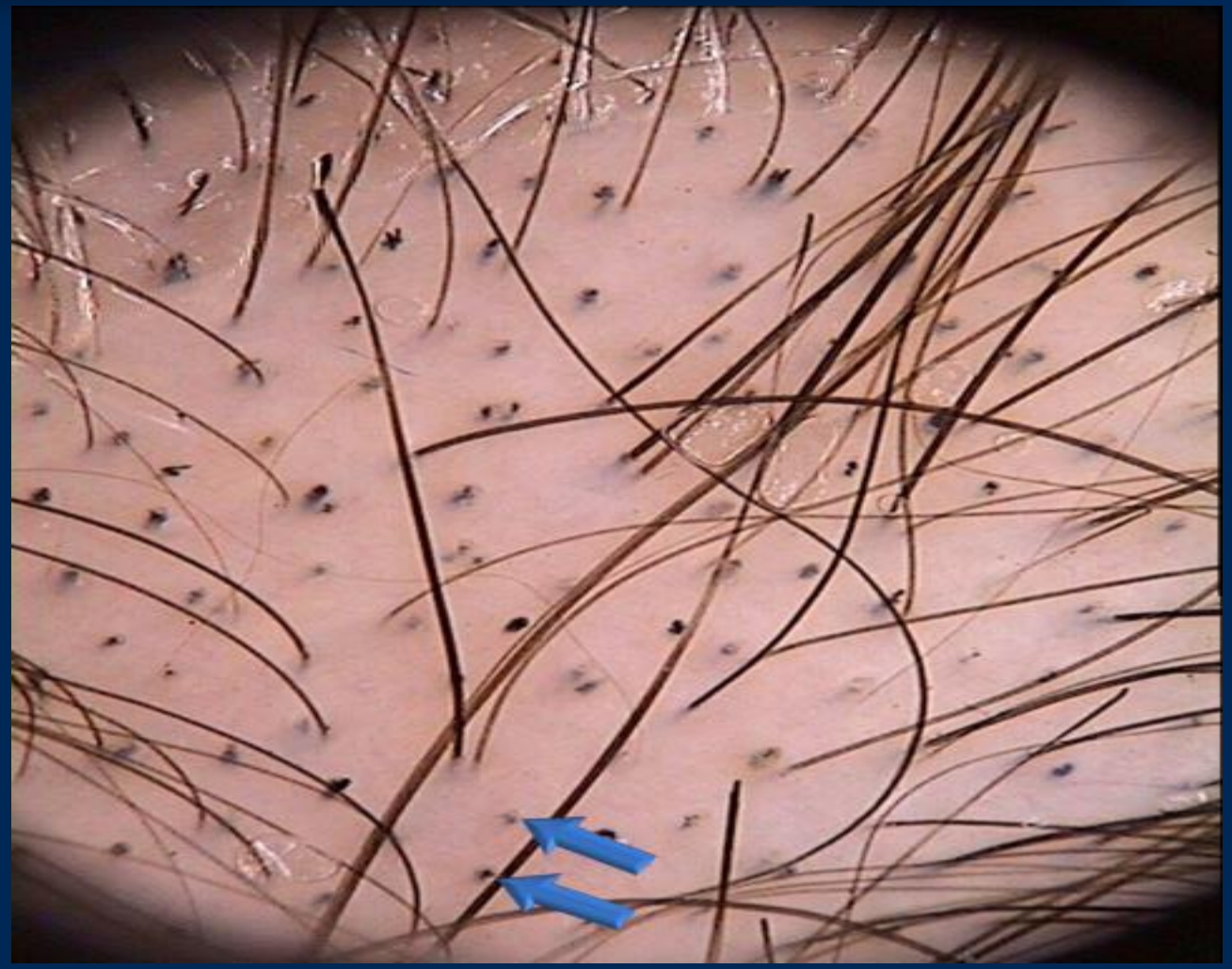
Tapered hairs are elongated exclamation mark hairs

Pohl-Pinkus constrictions and monilethrix-like hairs in alopecia areata

These hairs differ
from true monilethrix
by the irregular distribution
of constrictions

Alopecia areata – black dots



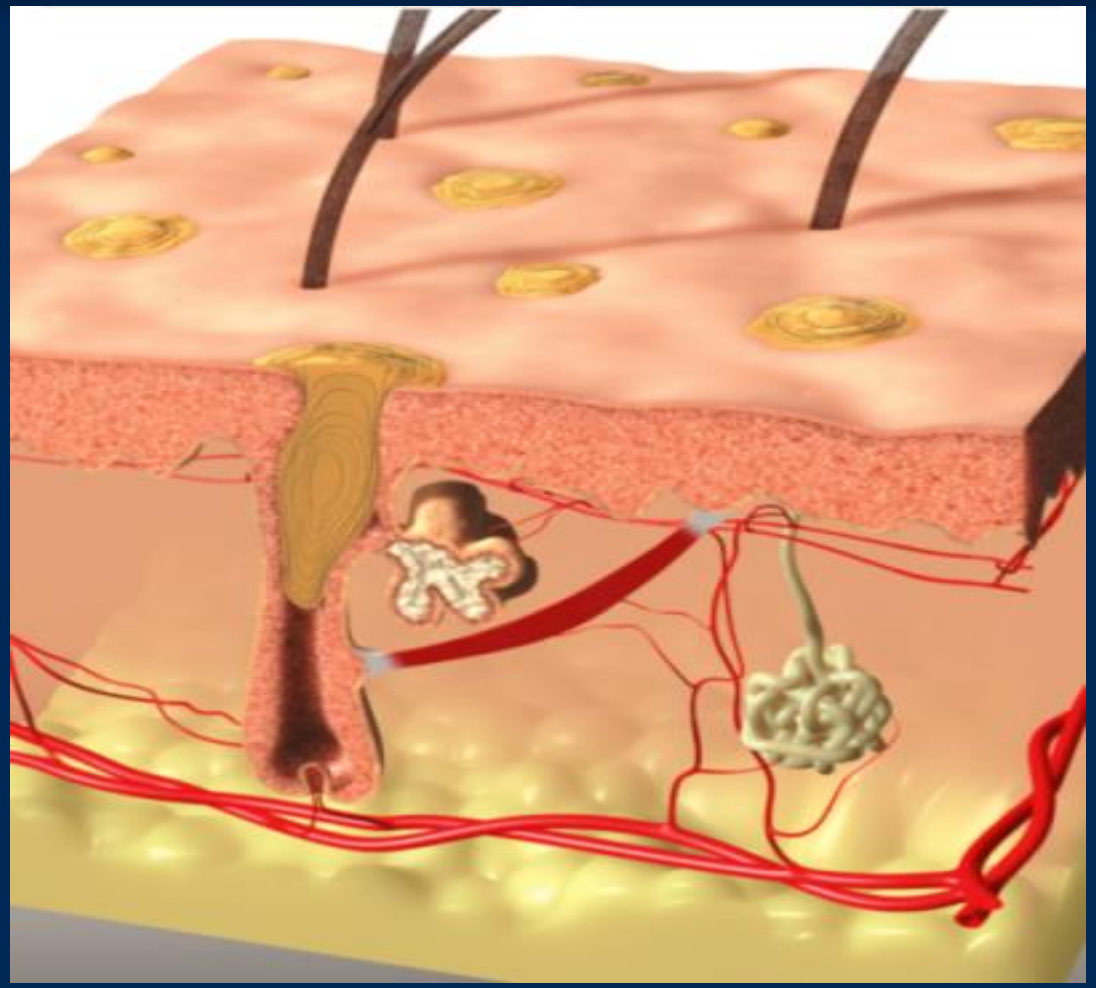


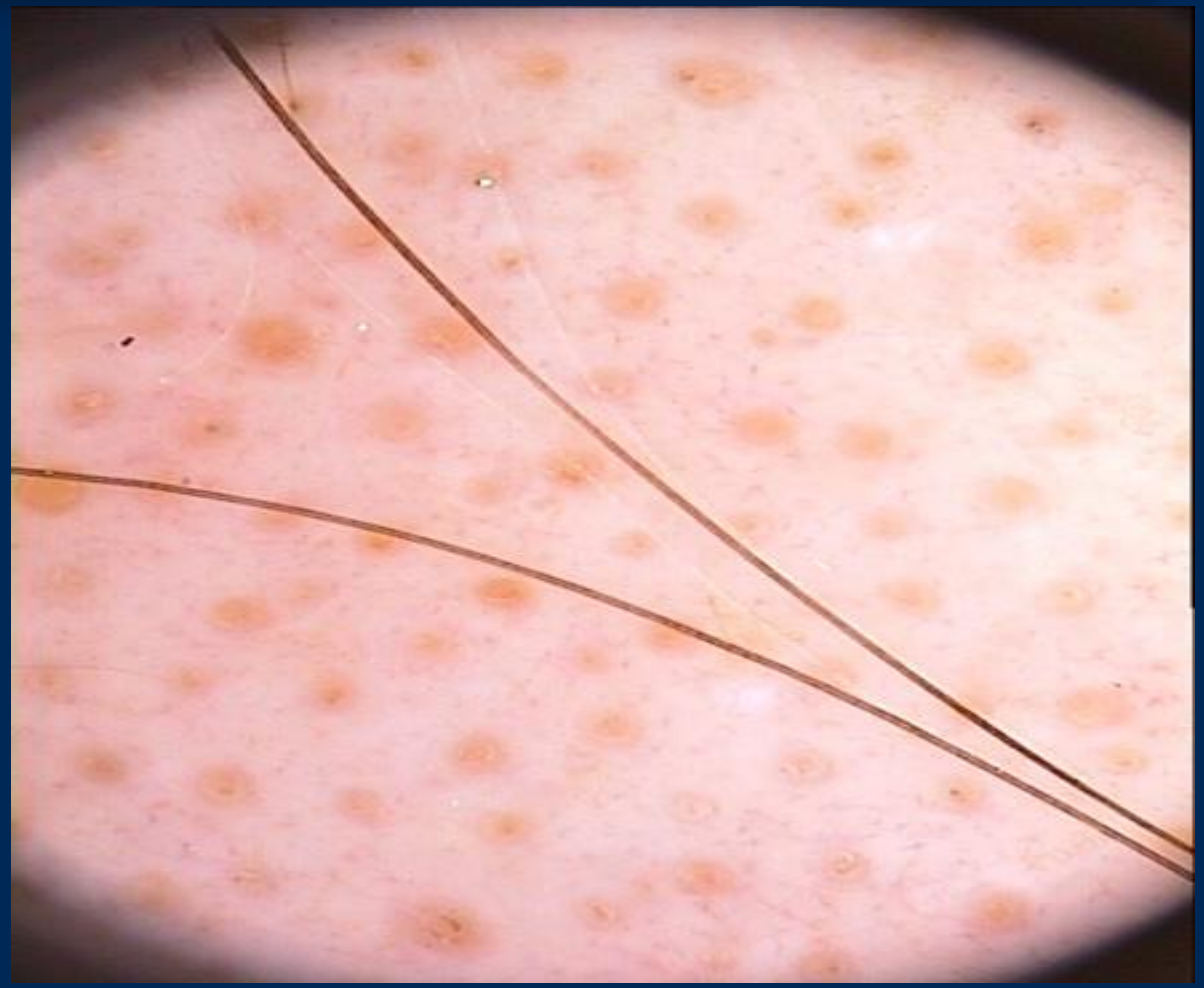
black dots

a marker of high disease activity in alopecia areata

but not specific for alopecia areata

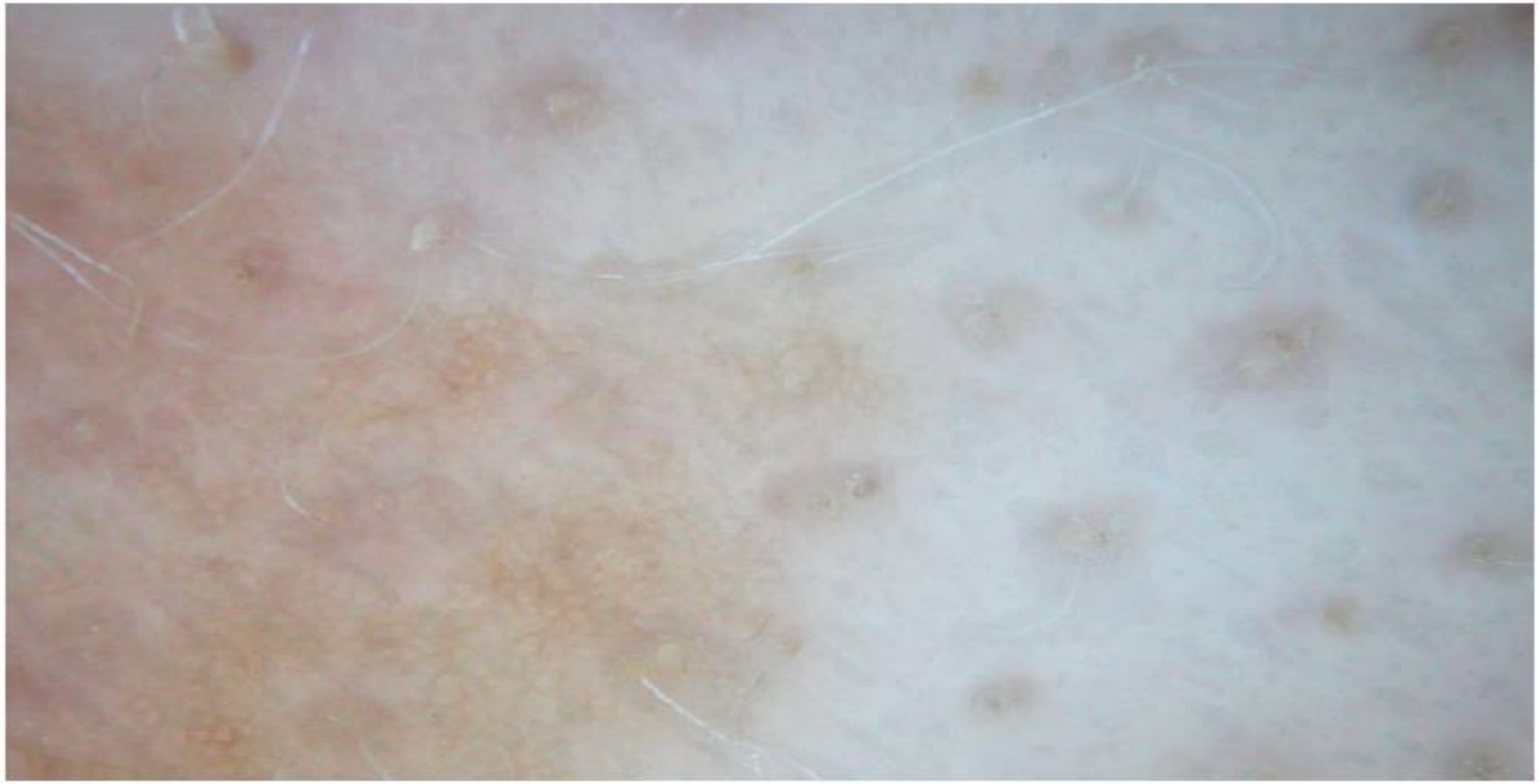
Alopecia areata – yellow dots





Yellow dots may not be visible in Asian patients

Fig. 38.6 Masking of yellow dots by normal skin color in a 13-year old Japanese girl with alopecia areata and vitiligo. On the right, numerous yellow dots are seen on hypopigmented, vitiligous skin, whereas on the left, yellow dots are masked by the slightly tanned, normal skin color. This picture was taken using the DermLite II Pro (×10)



S. Inui . Trichoscopy in Asian Skin in Atlas of Trichoscopy, 2012

Journal of Dermatological Case Reports

Dermoscopy findings of alopecia areata in an African-American patient

Larissa Hanauer de Moura, Bruna Duque-Estrada, Leonardo Spagnol Abraham, Carlos Baptista Barcaui, Celso Tavares Sodré

- Common trichoscopy features of AA
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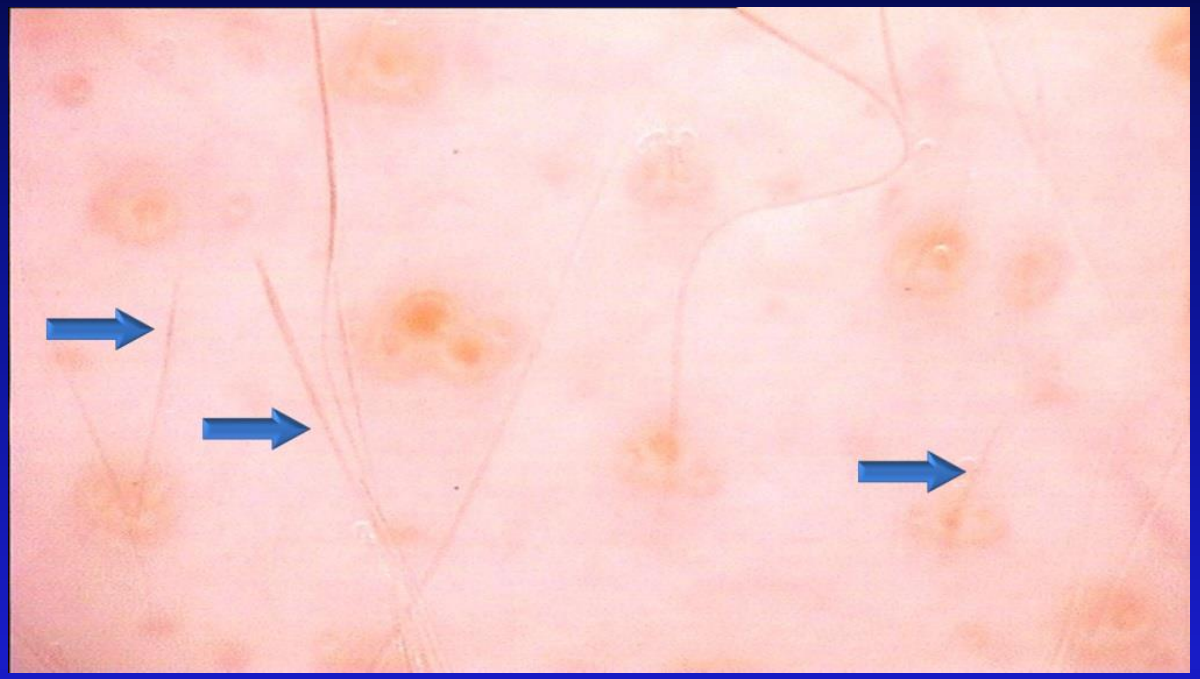
Alopecia areata – vellus hairs

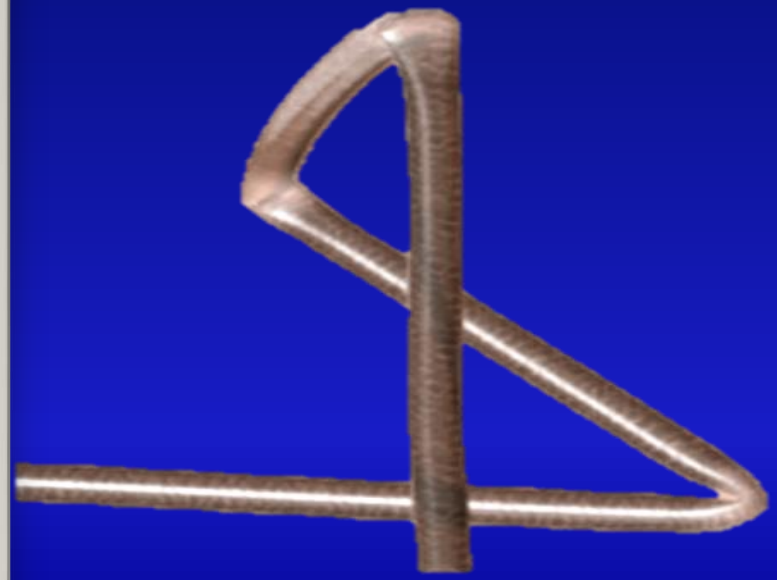


Caucasian **Asian**

Marker of disease severity ?

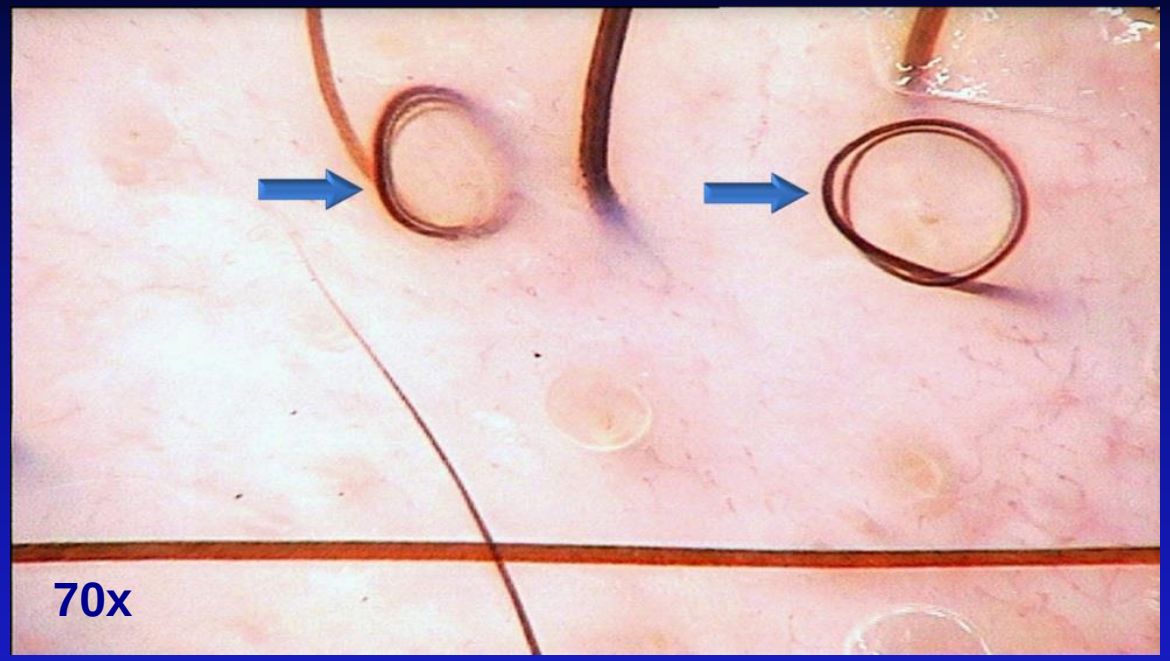
Inui et al

- Trichorrhexis nodosa
- Zigzag hairs



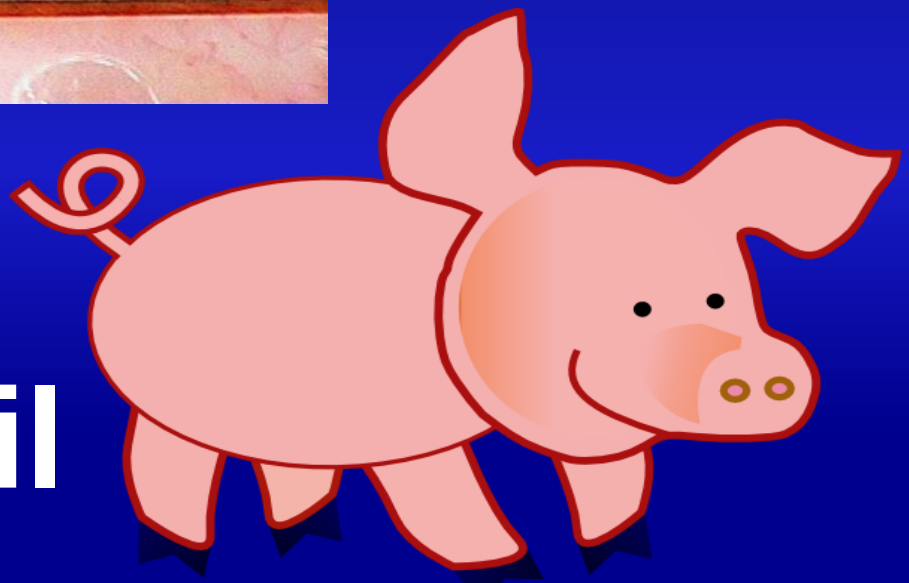
Zigzag hairs

Alopecia areata – regrowing hairs



circle

pigtail



Trichochoscopy of alopecia areata

Trichoscopy feature	% of patients with AA
Yellow dots	63-94%
Black dots	44-70%
Exclamation mark hairs	30-44%
Tapered hairs	12-42%
Broken hairs	45-58%
Vellus hairs	33-72%
Trichorrhexis nodosa	3-16%
Monilethrix-like hairs	2-3%
Pohl-Pinkus constrictions	
Regrowing hairs	

Source: Atlas of Trichoscopy, 2012

- Common trichoscopy features of AA
- Rare trichoscopy features of AA
- Trichoscopic cases in AA

43 – year old woman

Chemotherapy – induced alopecia

Exclamation marks and other trichoscopic signs of chemotherapy-induced alopecia

Rodrigo Pirmez,[1] Juan Piñeiro-Maceira[2] and Celso Tavares Sodré[1]

Yellow dots

of Dermatological Case Reports

ical and trichoscopic features of syphilitic alopecia

aoting Zhang, Ying Zhao, Yugang Gong, Jian Yang, Huan Li, Xingqi Zhang

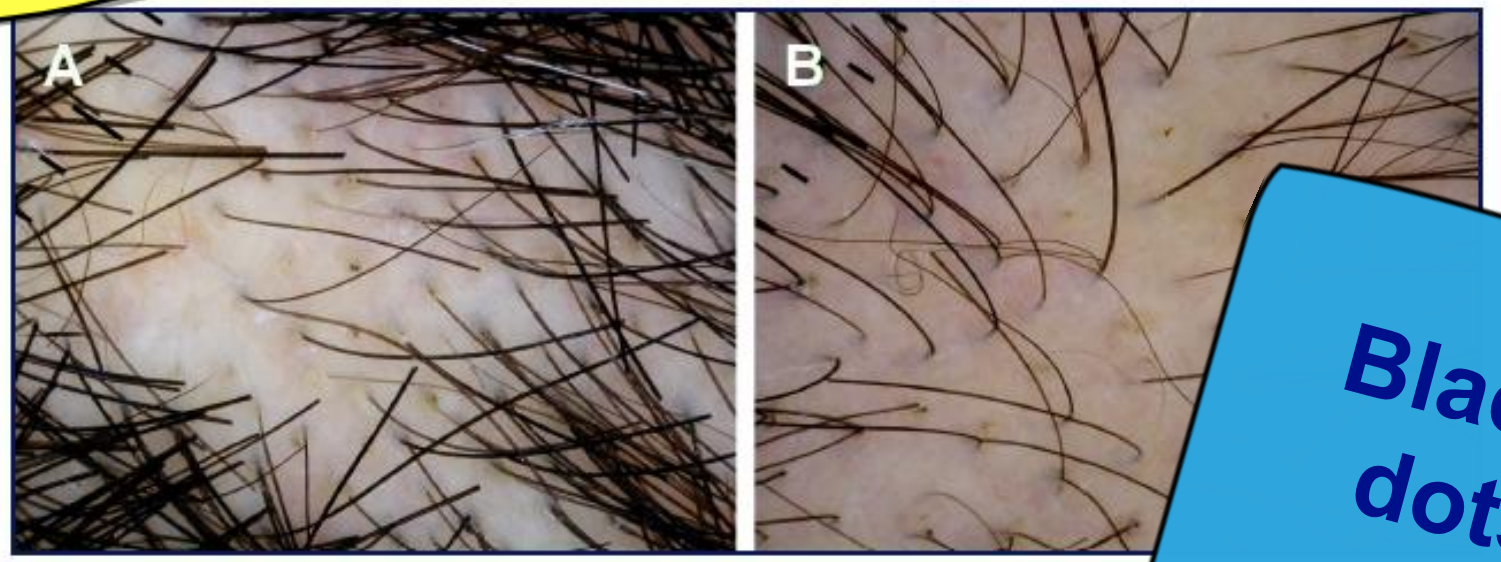


Figure 2
Trichoscopy signs of moth-eaten syphilitic alopecia. (A) Small patches of hair loss with dots and yel-

Black dots

JAAD
Journal of the American Academy of Dermatology
September 2014
Volume 71 • Number 3
www.jaad.org
Anais Brasileiros de Dermatologia
International Journal of Trichology
JEADV
Journal of Dermatological Case Reports
Vol 8, No 4
2014
Skin Appendage Disorders
KARGER