Allergy, Atopy and Skin Cancer

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No conflicts of interest regarding this “pearl”

Association Between Allergy, Atopy and Skin Cancer?

- Women: early onset BCC and SCC has an inverse relationship to allergy and atopy.
- Men: no significant relationship to early onset BCC, but allergy/atopy associated with an INCREASED risk of SCCA
Clinical and Therapeutic Pearls in Eczema and Infectious Disease

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DISCLOSURES

• No relevant disclosures for this presentation

MELANONYCHIA
BLACK NAILS

MELANONYCHIA STRIATA

• A- AGE >50 YEARS
• B- BROWN BLACK BAND GREATER THAN 3 MM WIDE, VARIEGATED BORDER
• C- CHANGE
• D- DIGIT: THUMB, GREAT TOE
• E- EXTENTION TO PNF
• F- FAMILY HISTORY

Melanonychia Induced by Hydroxyurea

Black or Greenish Color?
Pseudomonas Infection

Black or Greenish Color?

If paronychia present than likely Fungal melanonychia caused by Candida albicans

Obtain X-rays in digits with chronic infection to rule out osteomyelitis

Orange Nails

Dermatophytoma:

Indicative of onychomycosis
Clinical/Therapeutic Pearls: Eczema and Infectious Disease

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Winter Clinical Derm Conference
Kohala Coast, Hawaii 2017

Clinical/Therapeutic Pearls:
Eczema and ID
Kenneth J. Tomecki MD

Re: Conflicts…… nada

Atopic Dermatitis and Lymphoma

Review / meta-analysis 2015
4 cohort studies* 18 case-controlled studies
...modest ↑ risk of lymphoma in AD pts

? Definite conclusions
Overlapping features  ? Missed diagnosis

JAAD 2015;72:992

Atopic Dermatitis and Depression / Anxiety

? Psychiatric co-morbidities w/AD

Longitudinal cohort study 8000+ AD pts
- Depression: 6-fold ↑ risk
- Anxiety: 4-fold ↑ risk

J Affect Disorder 2015;178:60

Atopic Dermatitis and Anemia

• ↑ risk in children w/ atopic disorders
  ie. eczema, asthma, hay fever, food allergy
  200k pts, US Nat'l Health Survey 1997-2013

• 2-fold ↑ risk in children w/asthma and/or AD
  30k pts Nat'l Health Nutrition Exam Survey 2014-2015

? chronic inflammation  ? malnutrition

J Pediatr 2016;170:29
Atopic Dermatitis and ‘Hard Water’

? link btw Ca++ carbonate and AD in children
• 1300+ 3m/o infants, pop-based, x-sectional study
• ↑ levels Ca++ carbonate (w/o chlorine) household water......
  2-fold ↑ risk of atopic dermatitis

J Allergy Clin Immunol 2016

Persistence of Atopic Dermatitis

Most children ‘outgrow’ AD, but....if not?
Meta-analysis, 110k children w/AD
  - 20% w/AD…persistent disease 8 yrs later
  - 5% w/AD…persistent disease 20 yrs later
  - w/AD before age 2….lower risk
  other predictors: severity/duration of AD, female sex

JAAD 2016;75:681

‘Eczema Coxsackie’: Enterovirus with Unusual Cutaneous Findings

• Retro study @ 7 ctrs – ‘atypical’ HFMD (CVA6)
  80 pts (median age 1.5 yrs, 4 mo - 16 yrs)
    - 99% pts vesiculobullous/erosive disease
    - 61% pts w/widespread disease (>10% BSA)
    - 55% pts ↑ disease @ eczema sites
• Diff Dx: bullous impetigo, eczema herpeticum, vasculitis, immunobullous disease

Pediatrics 2013;132:e149-e157

Pearls in Eczema and Infectious Disease
Pearls in Eczema and Infectious Disease

- REMEMBER: SYPHILIS IS RESURGENT!
- Pearl #1: Don’t forget to check the oral mucosa
  - Extragenital chancre (Primarily lip and tongue)
    Extragenital chancre: 5% Syphilis cases
  - Mucous patch
  - Glossitis and Pharyngitis
  - Condyloma lata
  - Gumma

Extragenital chancre

Mucous patch

Condyloma lata
• REMEMBER: SYphilis IS RESURGENT!
• Pearl #2
• Concurrent occurrence of chancre and lesions of secondary lues strongly suggests the co-infection with HIV

Concurrent Primary + Secondary Lues = HIV+

• REMEMBER: SYphilis IS RESURGENT!
• Pearl #3
• Extreme facial eruption: Think syphilis
  • Nodular syphilis
  • Florid syphilis
  • Malignant syphilis (Ulcerated, Fever)

If it itches: think EF of HIV

“Lues Maligna”
**Pearls in Eczema and Infectious Disease**

- **REMEMBER: SYPHILIS IS RESURGENT!**
- **Pearl #4**
- **Hair Loss may be the only manifestation**
  - Close exam: up to 40% of secondary lues
  - Patchy, “moth-eaten” pattern in 80%
  - May also be diffuse!
  - May simulate alopecia areata

*Dermatology* 2015;31:175-6

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**AIDS Committee of Toronto**

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**Patchy Alopecia: Think Syphilis**