



Dermatology Update

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Options for treatment



People with psoriasis - a chronic autoimmune disease that primarily affects the skin - are at greater risk of depression. This is according to new research recently presented at the American Academy of Dermatology's 2015 Summer Annual Meeting in New York, NY.

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- **Around 16.5% of patients with psoriasis met the criteria for major depression, according to the results, and the team calculated that individuals with the skin disease were at twice the risk of depression than those without psoriasis**



**Dovobet® gel/Enstilar
Applicator**
calcipotriol/betamethasone



- Dovobet gel applicator for scalp psoriasis
- Body dovobet gel
- Groin/face – elidel/protopic



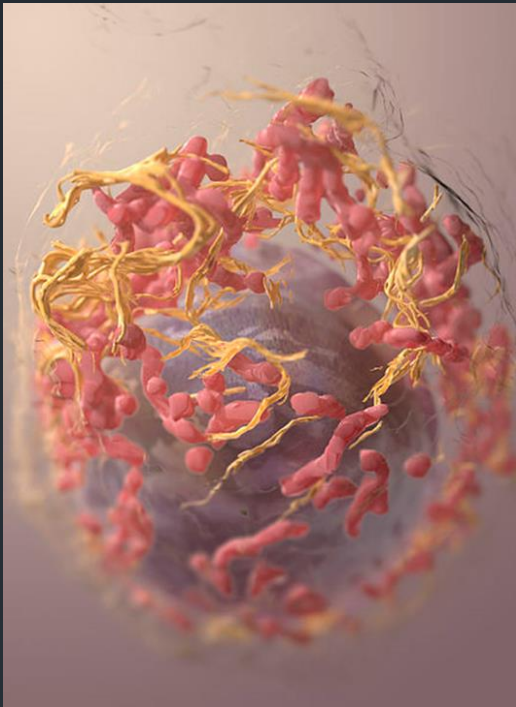
Psoriasis – chronic plaque



Hand eczema



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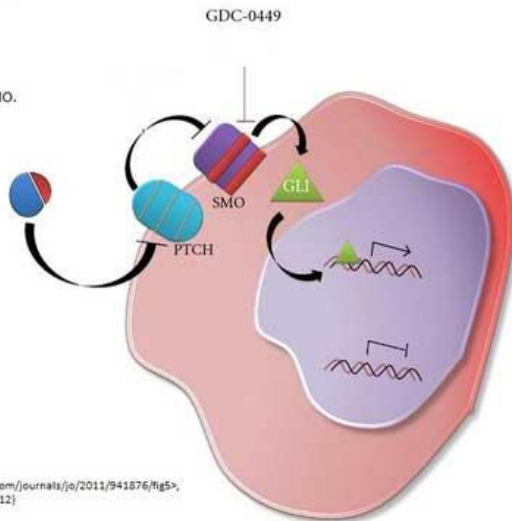


Basal cell carcinoma



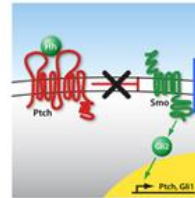
Figure 1.

Vismodegib (GDC-0449) inhibits the activity of SMO.



[Vismodegib.
<www.hindawi.com/journals/jo/2012/941876/fig5>
accessed 01/12/12]

Vismodegib Is a Small Molecule Inhibitor of the Hedgehog Signaling Pathway



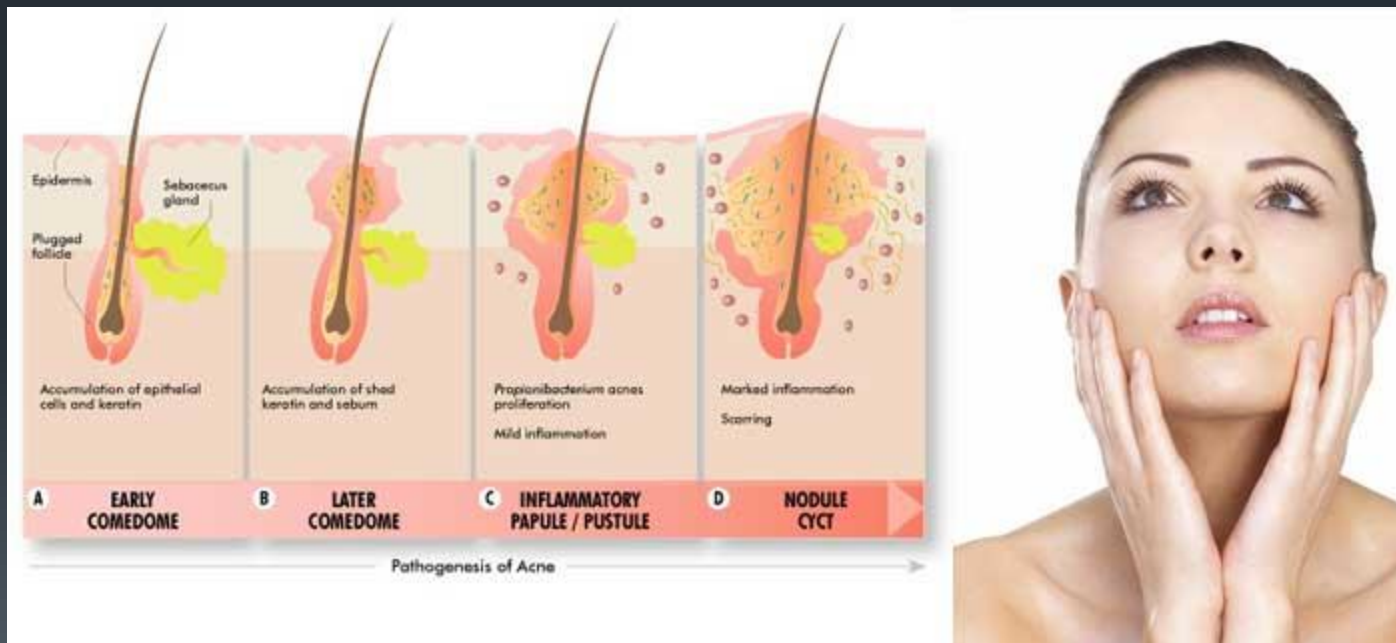
Vismodegib

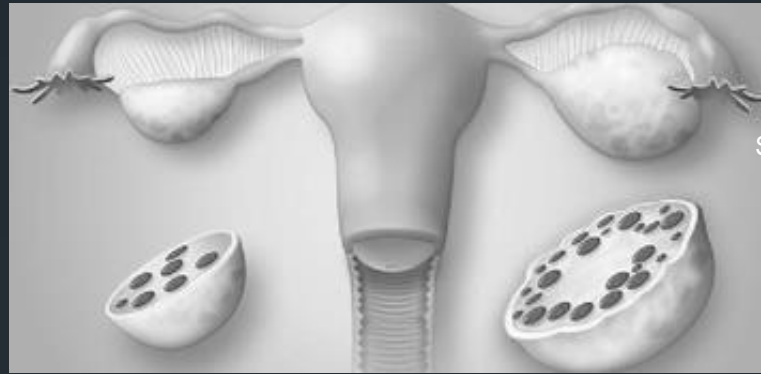
Images courtesy of Jean Y. Tang, MD, PhD.
Von Hoff et al, 2009.

IMER
www.IMEonline.com

Cellular biology studies have revealed that extracellular Shh protein binds to patched-1 (PTCH1), a 12-transmembrane receptor, and prevents PTCH1-mediated inhibition of signaling through smoothed (SMO), a seven-transmembrane protein (Figure 1). Once the inhibition of SMO is relieved, SMO then activates GLI transcription factors in the nucleus to induce target genes that are responsible for cell growth

Facial hirsutism





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Excess hair growth



Female pattern hair loss



acne

MILD

MODERATE

SEVERE



normal hair
follicle



open comedo
(blackhead)



closed comedo
(whitehead)



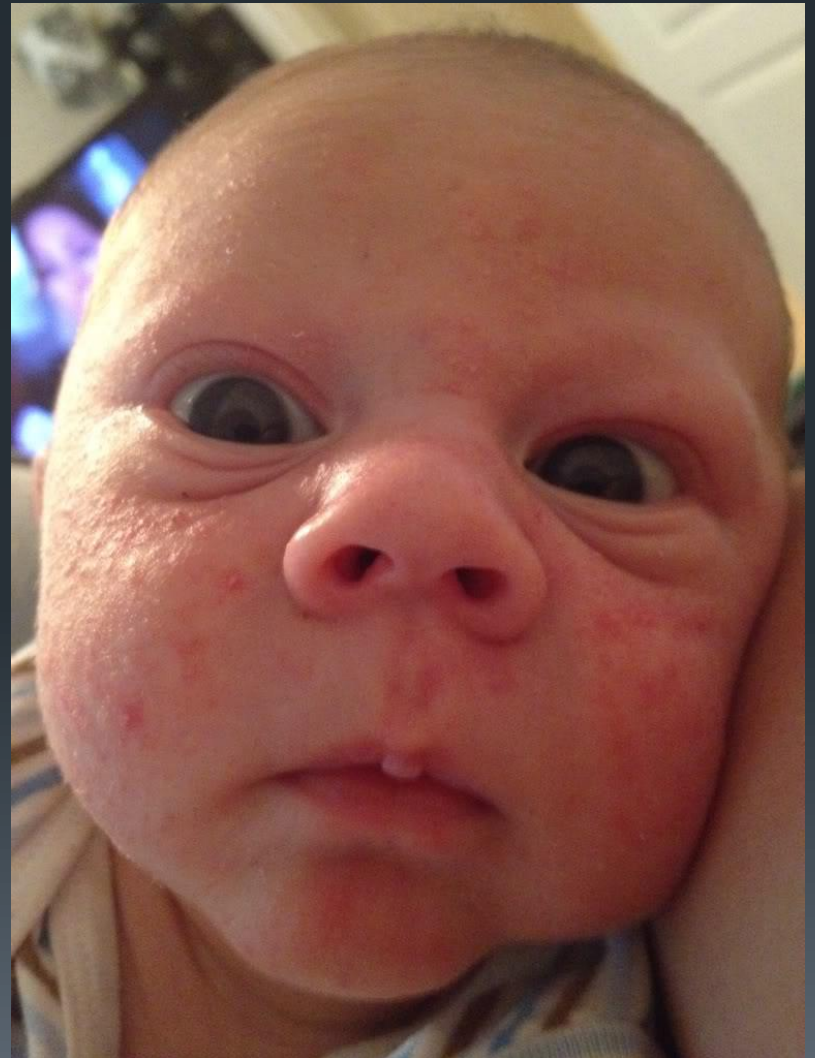
papule



pustule



© AFP/Getty Images



Ca







Fears over illegal sales of acne drug roaccutane

23 March 2015



Current evidence is insufficient to prove either an association or a causal relationship between isotretinoin use and inflammatory bowel disease (IBD) in the general population. While some recent studies have suggested such a relationship further studies are required to conclusively determine if the association or causal relationship exists and/or whether IBD risk may be linked to the presence of severe acne itself.

The Association concludes that the prescription of isotretinoin for severe nodular acne continues to be appropriate as long as prescribing physicians are aware of the issues related to isotretinoin use, including IBD or psychiatric disturbance, and educate their





Acne and job prospects

- The bottom line is that how your face looks can significantly influence the success of an interview... There have been many studies showing that specific groups of people are discriminated against in the workplace, but this study takes it a step further, showing why it happens. The allocation of attention away from memory for the interview content explains this.
- The findings were published online in the [*Journal of Applied Psychology*](#).



ATOPIC DERMATITIS

- Acute worsening of atopic dermatitis due to aeroallergen exposure (July 2015)
- Steroid first or emollients first
- Emollient shower/bath products are a low clinical priority treatment and should not be prescribed or recommended by clinicians unless there is a specific indication
- ■ Food elimination diets based solely on the findings of food allergy test results are not recommended for the management of AD
- ■ Children less than 5 years of age with moderate to severe AD should be considered for food allergy evaluation for milk, egg, peanut, wheat, and soy if at least 1 of the following is met: (A) persistent AD in spite of optimized treatment or (B) having a reliable history of immediate reaction after ingestion of a specific food.
- ■ The use of probiotics/prebiotics for the treatment of patients with established AD is not recommended because of inconsistent evidence.

Atopic eczema



- There is inconsistent to no evidence to recommend the use of fish oils, evening primrose oil, borage oil, multivitamin supplements, zinc, vitamin D, vitamin E, and vitamins B12 and B6 for the treatment of AD.
- The type of delivery during childbirth (caesarean or vaginal) does not appear to alter AD risk
- Elevated birth weights may be a risk factor for disease development, but the effect size is likely small as studies have been conflicting, with some showing a negative association
- Rich, urban positive fh, cats not dogs
- No benefit for house dust avoidance measures

Pimecrolimus/tacrolimus for atopic dermatitis in infants and young children (May 2015)

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- Topical calcineurin inhibitors have been approved in the United States as second-line therapies for the treatment of mild to moderate atopic dermatitis (AD) in adults and children ≥ 2 years
- A five-year randomized, open-label trial evaluated the safety and long-term efficacy of pimecrolimus 1% cream compared with low or mid-potency topical corticosteroids in over 2400 infants with mild to moderate AD. After five years, overall treatment success was achieved in approximately 90 percent of children in both groups. Growth, immune function, and cancer rates were similar in the two groups, as were overall rates of adverse events.

Depression and anxiety disorders in patients with atopic dermatitis
(April 2015)

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- Several lines of evidence suggest that the incidence of psychiatric comorbidities, including major depression and anxiety disorders, is increased among patients with atopic dermatitis and may be influenced by factors such as perceived disease severity and quality of life.
- These findings suggest that the identification and treatment of psychiatric comorbidities are important aspects of the management of patients with atopic dermatitis

Benefit of long-term management on risk for vulvar carcinoma in women with vulvar lichen sclerosus (June 2015)



Propranolol for infantile hemangiomas (March 2015)



Coffee intake and risk of melanoma (March 2015)

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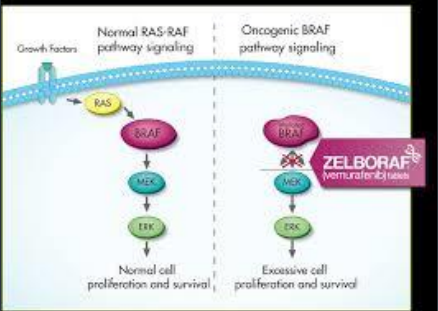
- Previous studies investigating the association between coffee intake and melanoma have provided conflicting results.



Actinic keratosis



melanoma





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Facial flushing



Alopecia areata



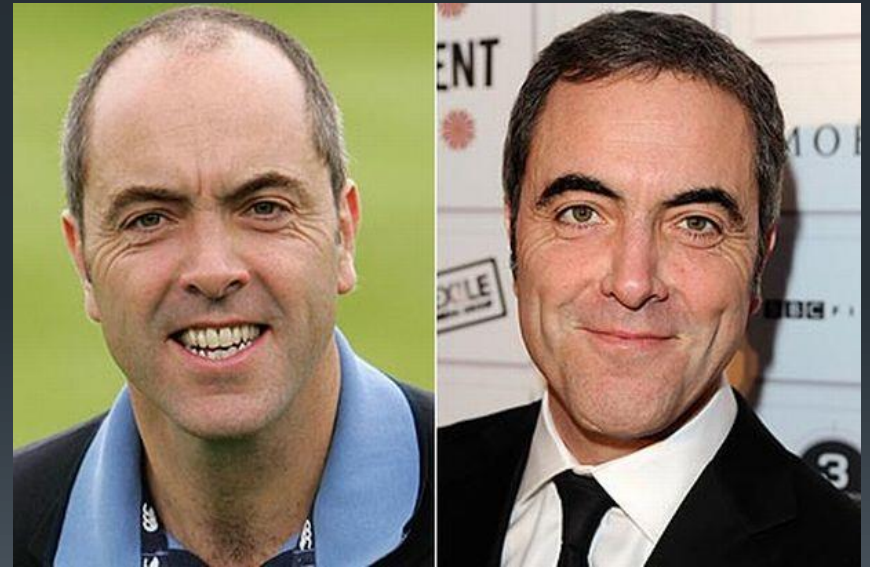
© Jere Mammino, DO

vitiligo



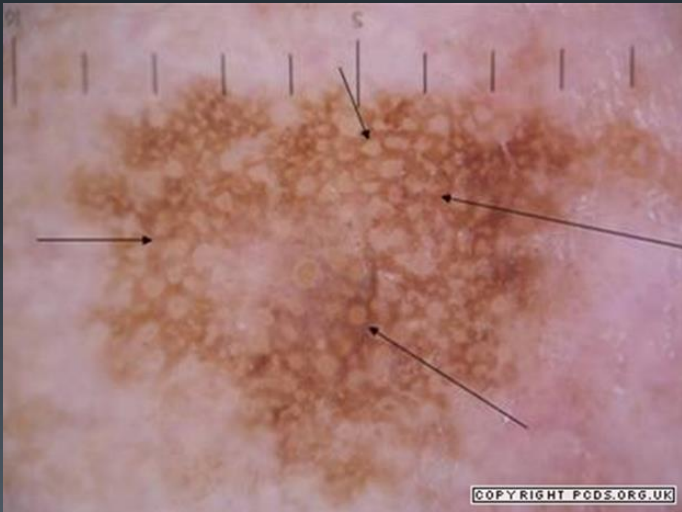


Male pattern baldness

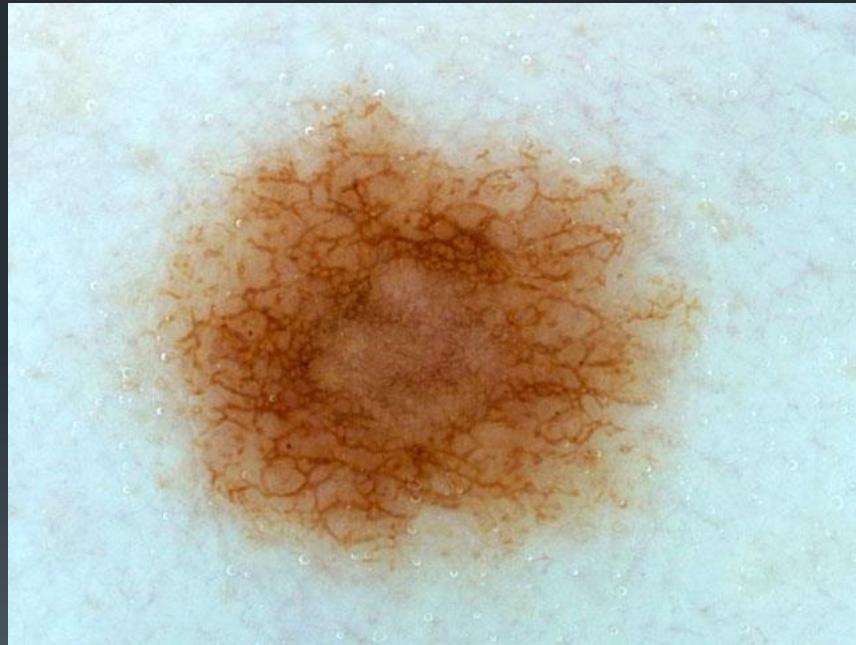


Nail psoriasis

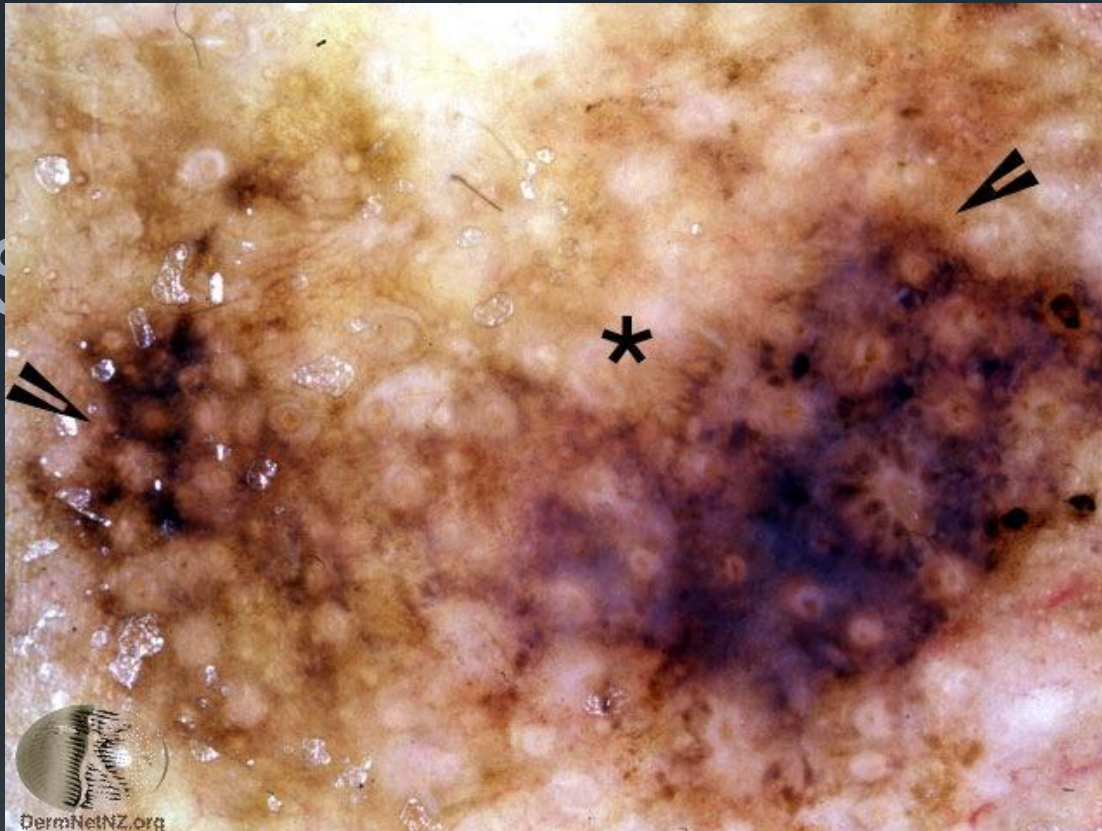


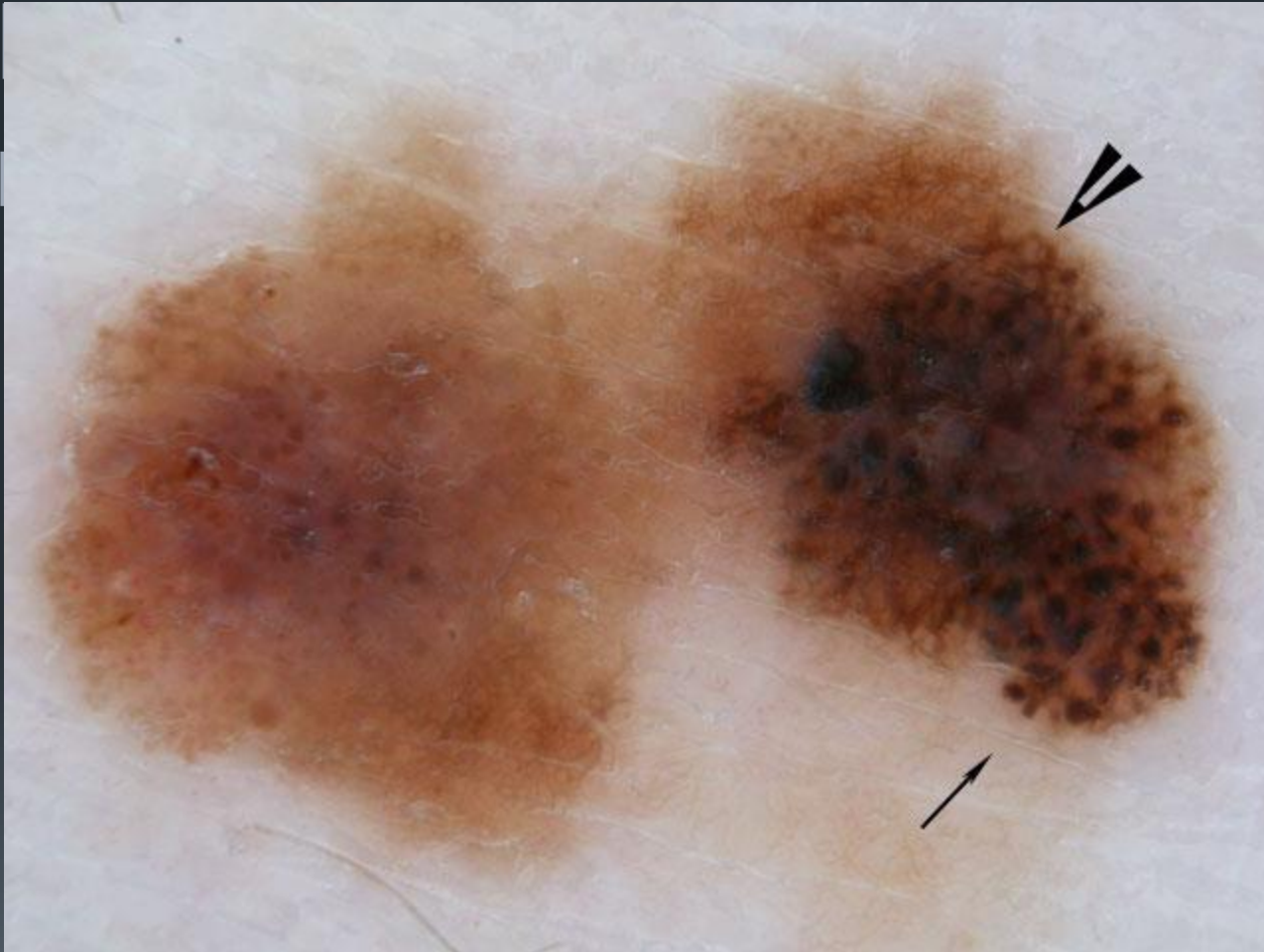


Globules/network/veil









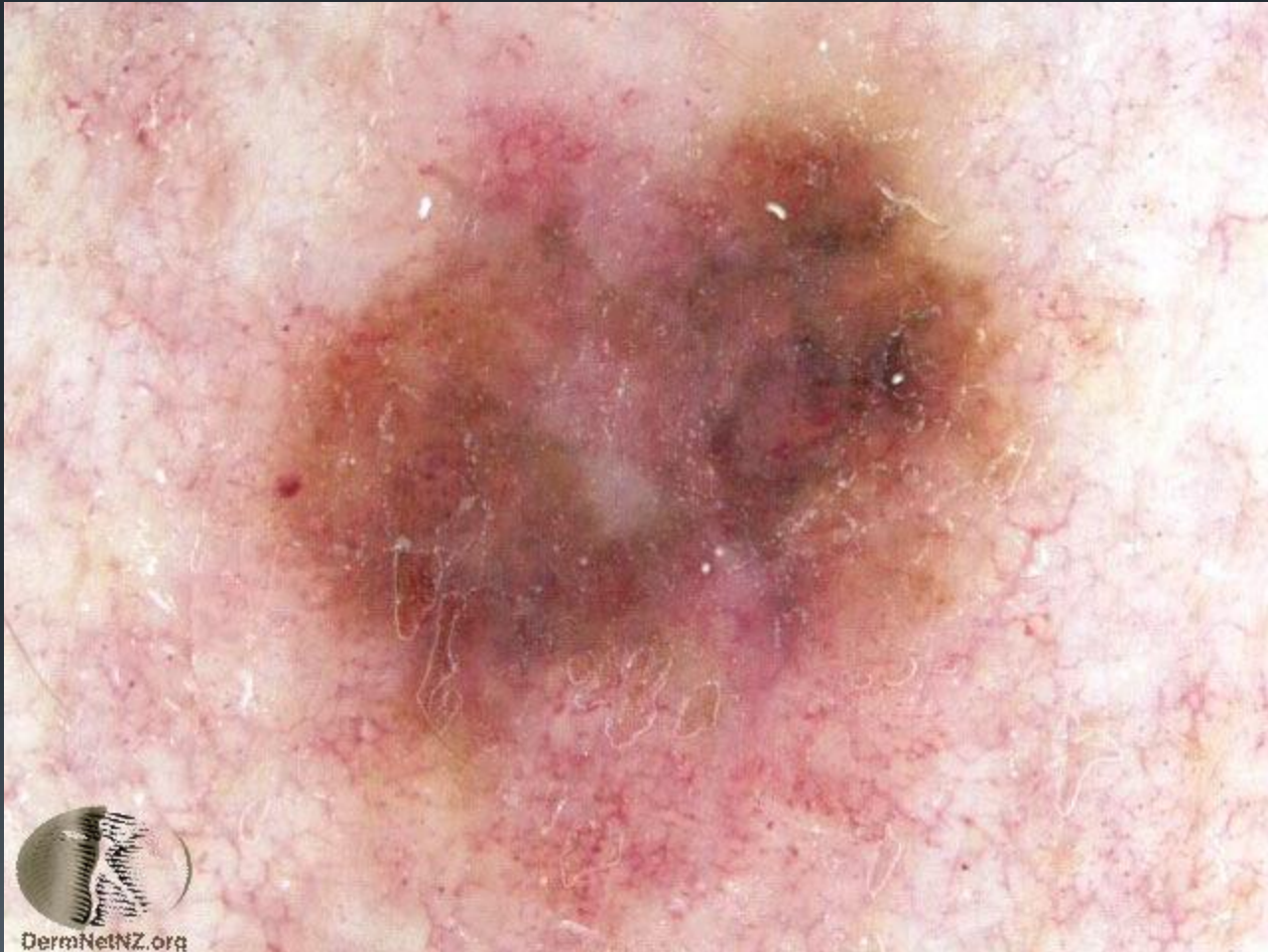
White reticular pattern -

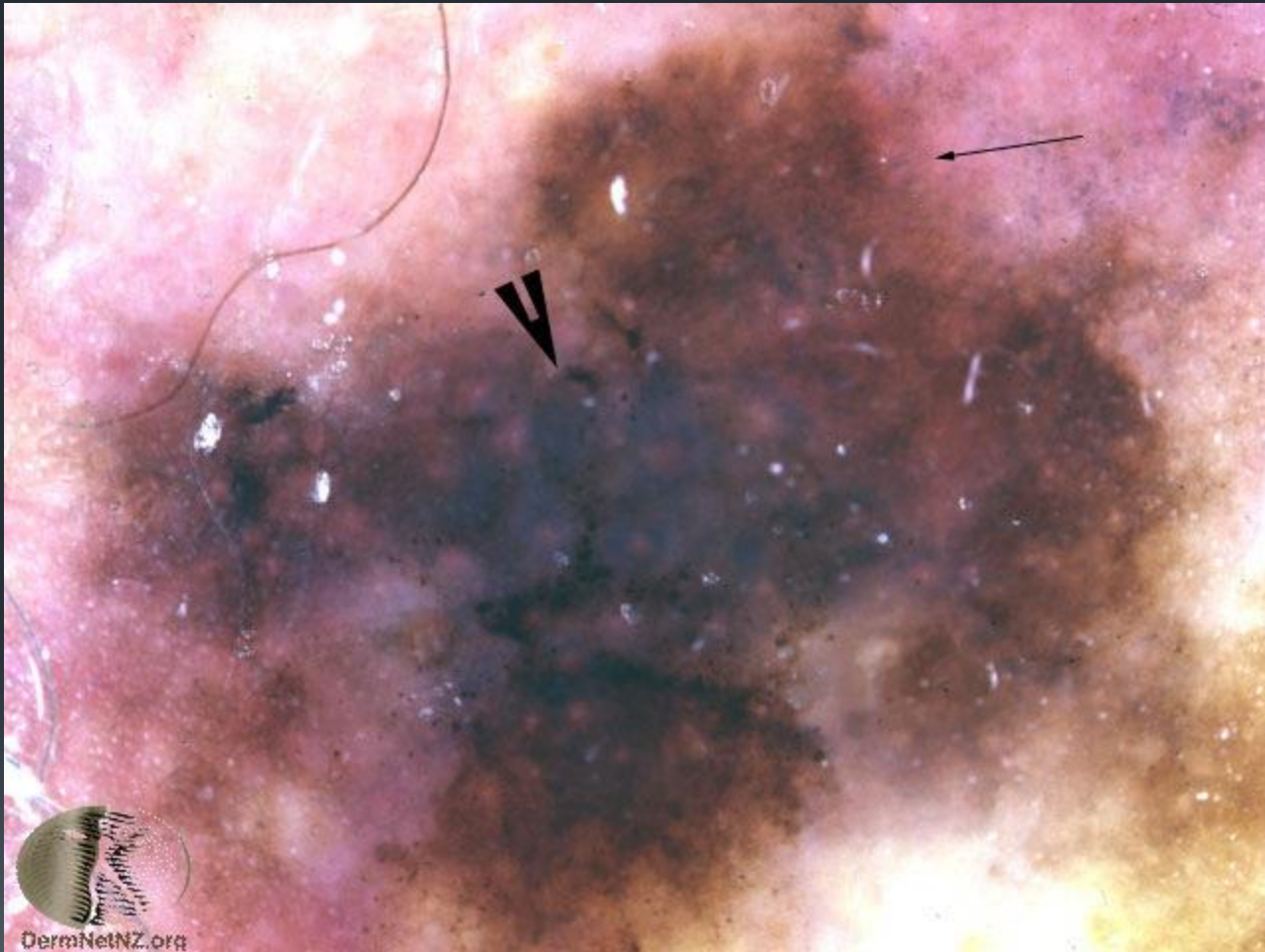


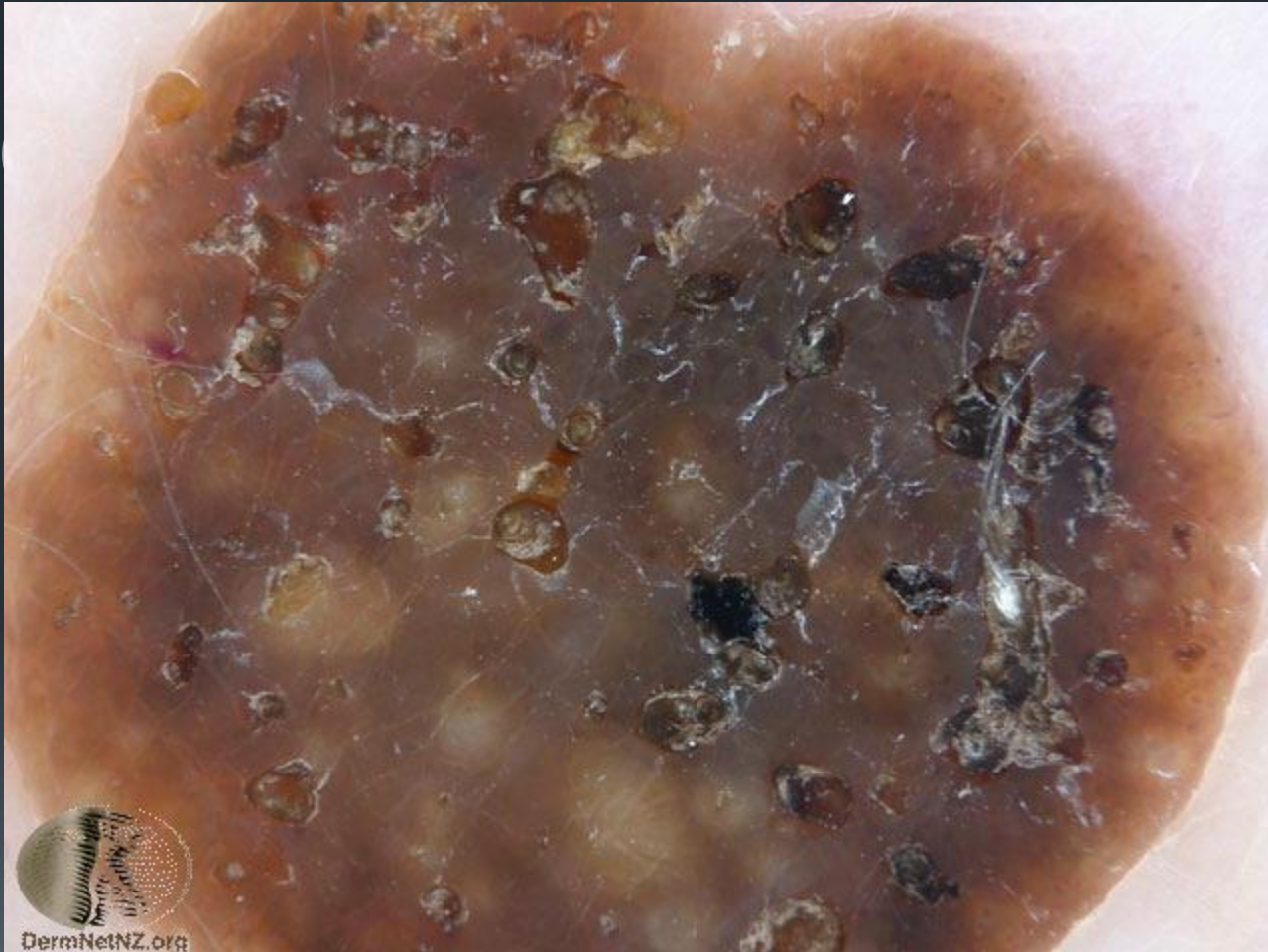


Loss of marking on feet













This is a melanocytic lesion with a fairly uniform diffuse fine pigment network. There are scattered centrally distributed bluish globules representing focal areas of dermal nests..











Patch testing









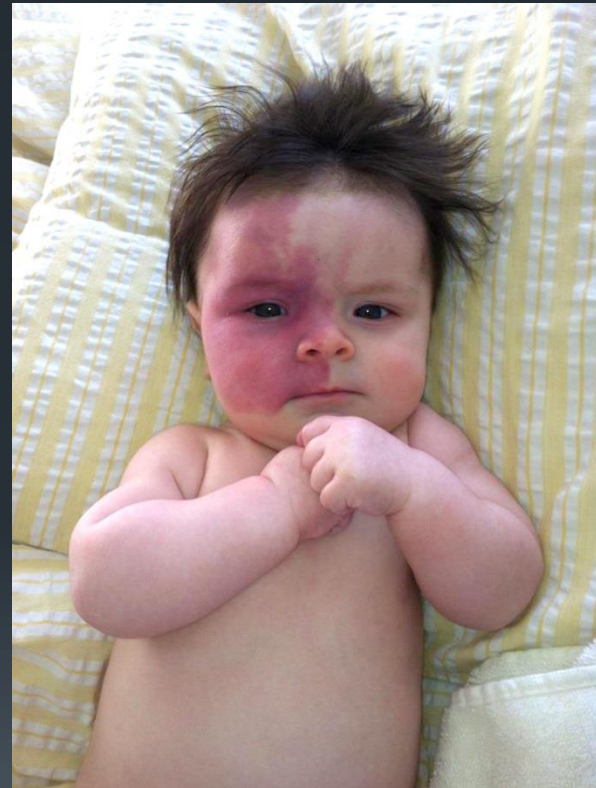


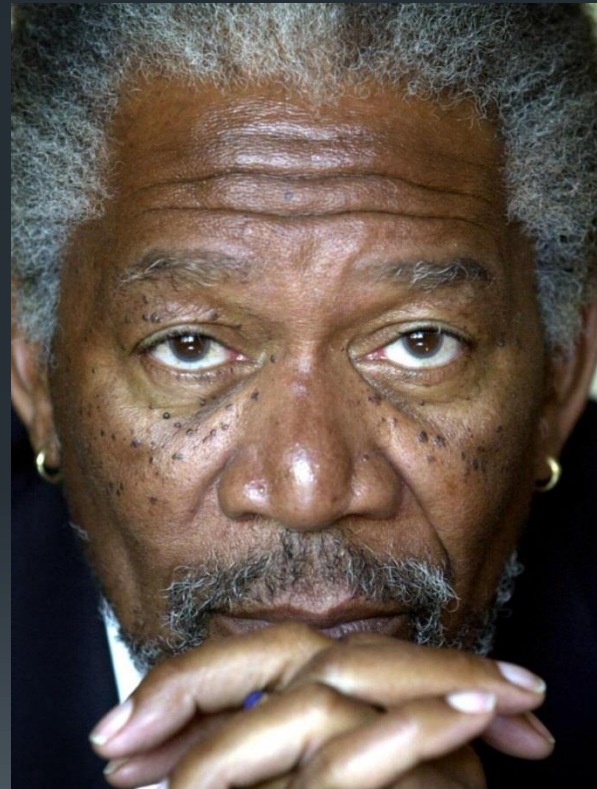




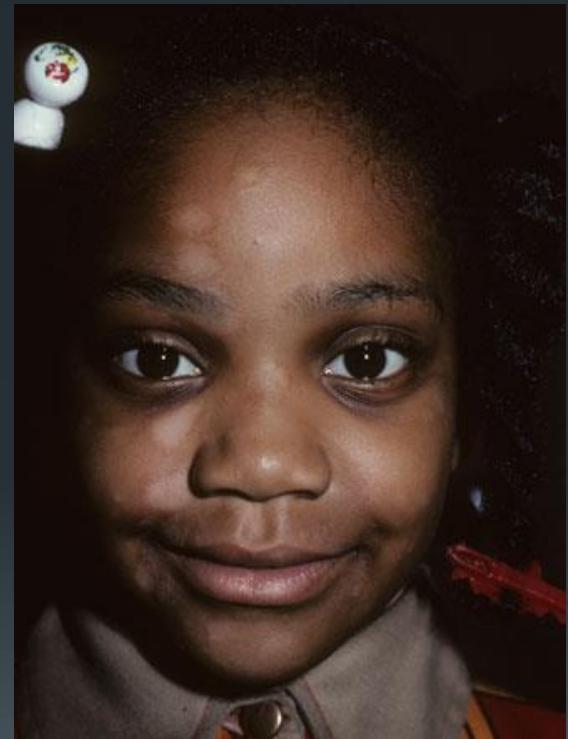
29 april 2013
Used Pigmanorm for 9-10 days







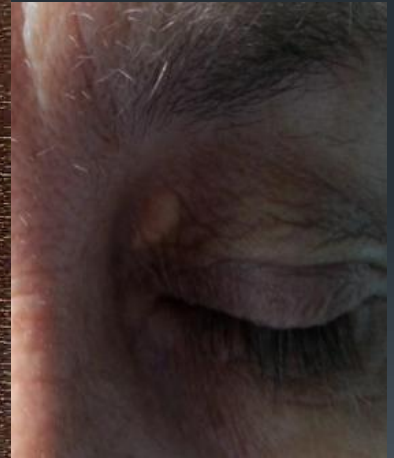
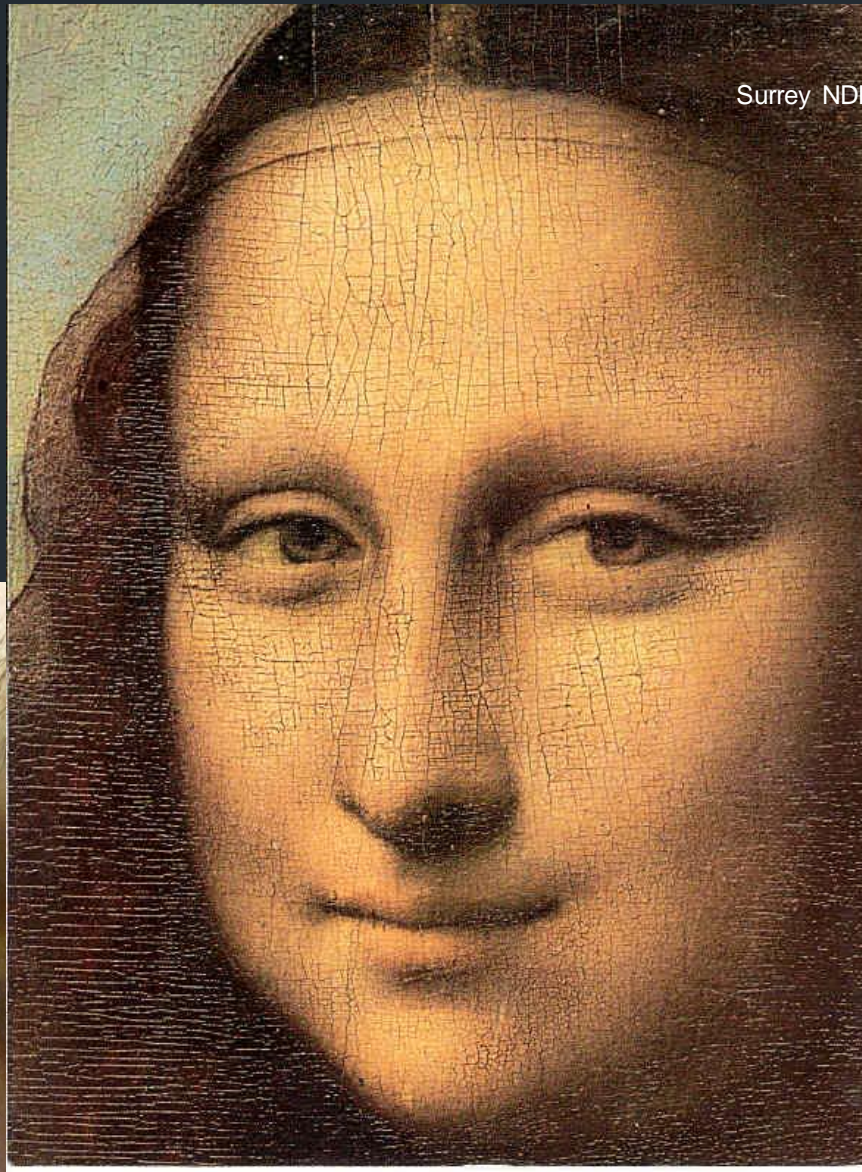








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Monkeypox is a rare disease caused by the DNA monkeypox virus (also known as MPV). The monkeypox virus belongs to the *Orthopoxvirus* genus — the same family of viruses as cowpox and smallpox. Infection with the MPV virus causes a rash similar to that of chickenpox.

Monkeypox gets its name from the discovery of the virus in monkeys under investigation in a research lab in Denmark in 1958. The first reported infection of humans was in the Democratic Republic of the Congo in 1970.







- Lesions predominate on the face but may develop on the palms, soles, and dorsal hands and feet (the latter being unusual in chickenpox)
- Genital and peri-genital lesions have been conspicuous in the recent 2022 outbreak.







a) early vesicle,
3mm diameter



b) small pustule,
2mm diameter



c) umbilicated pustule,
3-4mm diameter



d) ulcerated lesion,
5mm diameter



e) crusting of a mature
lesion



f) partially removed
scab





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skinarttrend



Thank you

