

Quiz

Quiz on Pigmentary Disorders

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QUESTIONS

1. What is the most common site for melanoma arising from nevus of Ota?
 - a) Iris
 - b) Choroid
 - c) Retina
 - d) Epidermis
2. What is the preferred treatment for this condition [Figure 1]?
 - a) Oral itraconazole pulse
 - b) Ozenoxacin 1% cream
 - c) Oral terbinafine
 - d) Metronidazole 2% gel
3. Which of the following is the most common form of oculo-cutaneous albinism?
 - a) Type 1A
 - b) Type 2
 - c) Type 3
 - d) Type 4
4. Which of the following is not a melanocytic lesion?
 - a) Lentigo
 - b) Solar lentigo
 - c) Blue nevus
 - d) BAPoma
5. In acronym CUBED, "B" stands for?
 - a) Breslow's index
 - b) Border
 - c) Brown-black pigmentation
 - d) Bleeding
6. Neuroectodermal melanolysosomal disease is a variant of?
 - a) Griscelli syndrome (type 1)
 - b) Waardenburg syndrome (type 1)
 - c) Chediak-Higashi Syndrome
 - d) Hermansky-Pudlak syndrome
7. Correlate Figure 2 and identify the condition in which this histopathological sign is seen?
 - a) Exogenous Ochronosis
 - b) Riehl's Melanosis

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Figure 1: Greenish discoloration of nails.

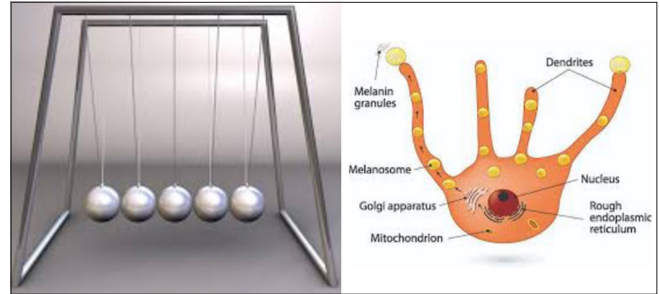


Figure 2: Correlate both the images and identify the histo-pathological sign.



Figure 3: Implantation of hair Grafts in vitiligo patch using FUE technique.

- c) Melasma
 - d) Ashy dermatosis
8. The presence of which element in the swimming pool causes greenish discoloration of hair?
 - a) Copper
 - b) Cobalt
 - c) Chromuim
 - d) Chlorine
 9. Deficiency of which trace element causes Pseudo-albinism?
 - a) Magnesium
 - b) Copper
 - c) Selenium
 - d) Manganese
 10. Microsatellosis in melanoma is defined as?
 - a) Atypical melanocytes >0.005 mm away from primary lesion
 - b) Atypical melanocytes >0.004 mm away from primary lesion
 - c) Atypical melanocytes >0.003 mm away from primary lesion
 - d) Atypical melanocytes >0.002 mm away from primary lesion
 11. Extensive Mongolian spots can be seen in which syndrome?
 - a) Hurler syndrome
 - b) Hunter Syndrome
 - c) GM 1 Gangliosidosis
 - d) All of the above
 12. What is the wavelength of Helium Neon laser used in Vitiligo?
 - a) 488
 - b) 633
 - c) 755
 - d) 355
 13. In this technique of vitiligo surgery [Figure 3], what will be the size of punch to take graft from donor area?
 - a) 0.8 mm
 - b) 0.9 mm
 - c) 1 mm

- d) 0.7 mm
14. A 60-year-old male with metabolic syndrome came with brown-black pigmentation over cheeks [Figure 4]. Based on dermoscopic findings, what is the likely diagnosis?
- Melasma
 - Maturational hyperpigmentation
 - Solar Elastosis
 - Acanthosis nigrican
15. Correlate these images and identify the condition [Figure 5]
- Reihl's melanosis
 - Ashy dermatosis
 - Exogenous ochronosis
 - Lichen planus pigmentosus
16. Streaky hyperpigmentation as is seen in this patient [Figure 6], is most commonly caused by exposure to which plant family?
- Apiaceae
 - Rutaceae
 - Moraceae
 - Hypericaceae
17. Penile lentigines are classically seen in?
- Cronkhite-Canada syndrome
 - Touraine syndrome
 - Bannayan-Riley-Ruvalcaba syndrome
 - Laugier-Hunziker syndrome
18. Which amino acids are required for the formation of melanin in epidermis?
- Tyrosine and phenylalanine
 - Tyrosine and cystein
 - Tyrosine and leucine
 - Tyrosine and tryptophan
19. Vogt-Koyanagi-Harada syndrome is associated with which ophthalmic finding?
- Retinal detachment
 - Lisch nodules
 - Corneal Opacities

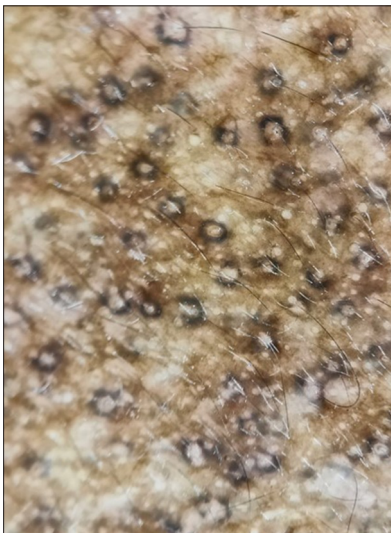


Figure 4: Dermoscopic image (Dermlite 4, non polarized mode, 10x magnification) of a brown black pigmentation over cheeks in a 60 years old male

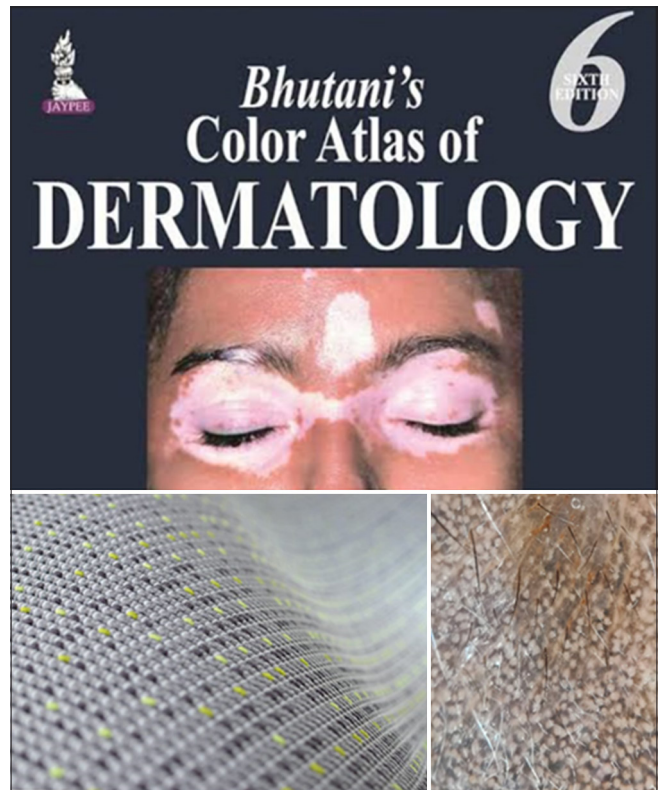


Figure 5: Correlate these 3 images.



Figure 6: Streaky Hyper pigmentation over forearm and forehead.

BROMELAIN

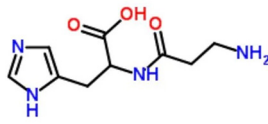


Figure 7: Chemical Structure of a proteolytic enzyme used after tattoo removal.



Figure 8: Slate Grey discoloration of skin.



Figure 9: Streaky hyper pigmentation over back.

- d) Granulomatous Uveitis
20. Backers's nevus can be associated with all of the following except?
- Smooth muscle hamartoma
 - Unilateral breast hypoplasia
 - Skeletal defect
 - Heart defect
21. This proteolytic enzyme [Figure 7] which can be used

after laser tattoo removal to help breakdown the ink, is derived from which fruit?

- Papaya
 - Pineapple
 - Orange
 - Grape
22. This famous personality [Figure 8] consumed a metal as a medicine for his dermatitis which led to slate grey pigmentation. This metal gets deposited in which part of skin?
- Basement membrane of sebaceous gland
 - Basement membrane of Eccrine sweat gland
 - Basement membrane of apocrine sweat gland
 - Outer root sheath of hair follicle
23. Morsicatio buccarum results from which of the following?
- Metal dental amalgam
 - Nicotine exposure
 - Keratin 4 and 13 mutations
 - Chronic irritation from biting
24. This patient on chemotherapy for non-Hodgkin lymphoma presented with this condition [Figure 9]. What is the source of drug causing this condition?
- Streptomyces verticillus
 - Streptomyces coelicolor
 - Streptomyces avermitillis
 - Streptomyces aureofaciens

ANSWERS

- b
- b
- b
- b
- d
- a
- c
- a
- c
- a
- d
- b
- c
- b
- d
- c
- b
- d
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- b
- b
- d
- d

24. a

Ethical approval: Institutional Review Board approval is not required.

Declaration of patient consent: The authors certify that they have obtained all appropriate patient consent forms. In the form, the patients have given their consent for their images and other clinical information to be reported in the journal. The patients understand that their names and initials will not be published and due efforts will be made to conceal their identity, but anonymity cannot be guaranteed.

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