

# Blossoming Mystery Mole or More?

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### **Brief Case History**



- 64-year-old man
- Occupation: Grounds man
- Fitzpatrick Skin Type II, no previous dermatological history or skin cancer.
- Presented with a lesion which started as a 'small mole' and growing over the past 2 years.
- Lesion can be tender.
- On examination: well-defined 25 x 25 mm pink, smooth, exophytic nodule.



# Macroscopic Image





# Dermoscopic Image





### Differential Diagnosis

Amelanotic Melanoma Basal Cell
Carcinoma /
Fibroepithelioma of
Pinkus

Squamous Cell Carcinoma Eccrine Poroma/carcinoma



### Management

01

#### Same Day Excision

Complete excision with 2mm clinical margin (to fascia level)





#### **Wound Closure**

Partial closure with purse string suture (3/0 monocryl) and secondary intention healing.

02

03

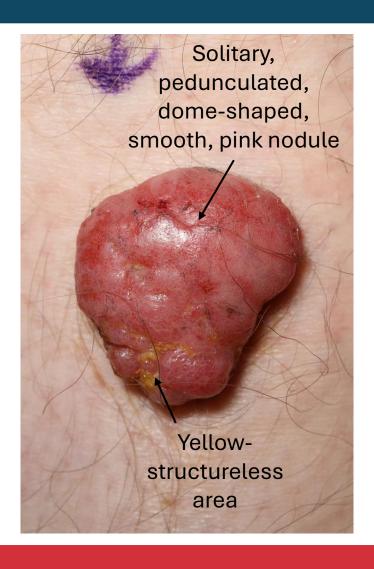
#### **Post-operation**

Dressings: mupirocin, aquacel, Mepilex border.
Virtual wound check after 1 week.





## Macroscopic Image - Annotated



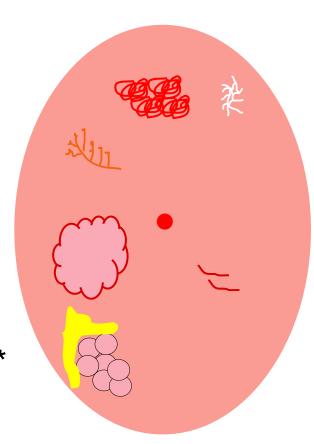


# Dermoscopic Image

#### **Dermoscopic Features:**

- Cherry-blossom like structure
- Glomerular vessels
- White interlacing areas around blood vessels\*
- Milky-red areas
- Blood spot
- Linear vessels
- Milky-red globules\*
- Yellow-structureless area\*







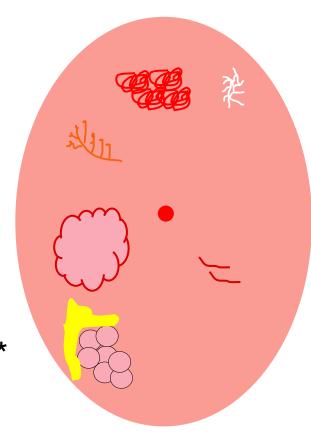


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```



### Summary of Diagnosis & Associations

Intraepidermal **Epidermis** duct Intradermal **Dermis** duct Secretory coil **Eccrine** Duct Subcutaneous layer

Sweat Gland illustrated with BioRender.

### Diagnosis: Eccrine Poroma

- A rare (<0.1%) **benign** adnexal tumor.
- Can be histopathologically classified into four types, based on the location of the poroid cells relative to the epidermis: Poroma, Hidroacanthoma Simplex, Dermal Duct Tumor, and Poroid Hidradenoma. Our gentleman had poroma, which arises from the intraepidermal ductal portion of eccrine sweat glands, extending into the dermis.
- Mostly found in middle-aged and above, with no sex predilection.
- Mutations in the **HRAS gene**, or fusion of **YAP/TAZ genes**, lead to uncontrolled cell growth and inevitably to cancer.
- Small risk of malignant transformation to eccrine porocarcinoma with poor prognosis.
- Features suggesting malignant transformation include spontaneous bleeding, itch, pain, ulceration, or sudden growth in a short period.



### Learning Points: Eccrine Poroma



#### **Distribution**

Most commonly seen in **acral areas**, followed by the head & neck, and lower extremities.



#### **Common Pitfalls**

- Dermoscopic features are **highly variable**.
- Can also appear in less common locations such as the eyelids & vulva.
- To avoid missing malignancy, any lesion with polymorphous vessels, ulceration, or shiny white structures should be biopsied.
- Poor wound healing in lower limbs.



#### **Clinical Features**

Soft, asymptomatic, papular/nodular, moist with a pedunculated base.
Color ranges from tan to red/pink.



#### **Dermoscopic Features**

Highly variable. It can mimic as seborrheic keratosis, amelanotic melanoma, and many more.

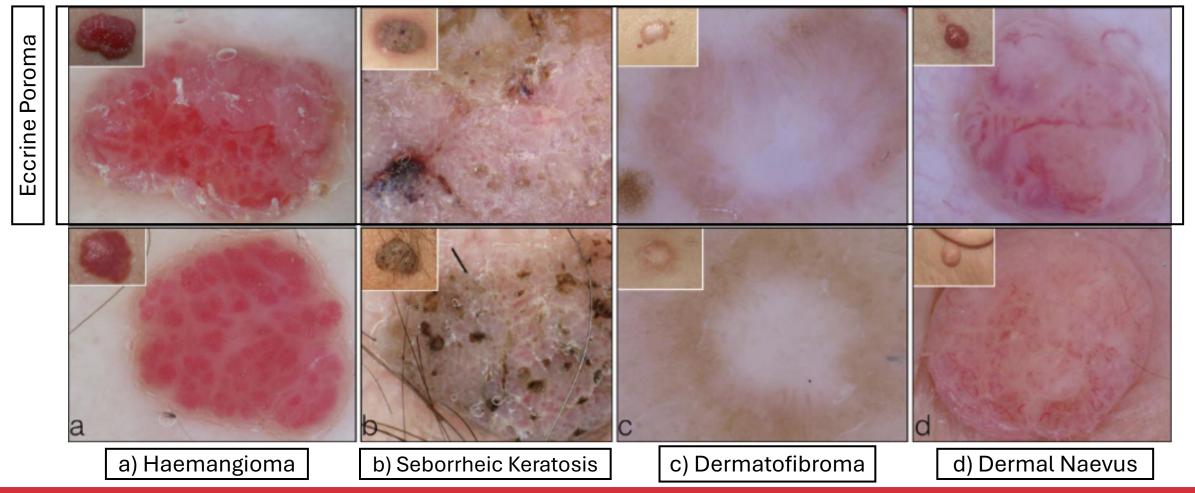


#### **Management**

**Surgical excision** is the main modality of treatment and would be curative.



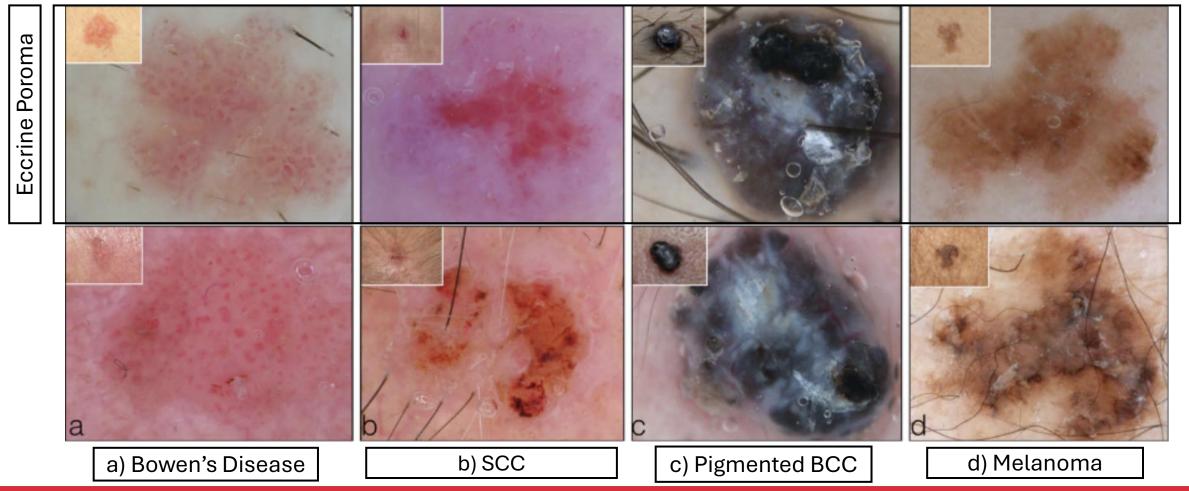
### **Great Imitator: Eccrine Poroma**



Lallas, A., Chellini, P. R., Guimarães, M. G., Cordeiro, N., Apalla, Z., Longo, C., Moscarella, E., Alfano, R. & Argenziano, G. 2016. Eccrine poroma: the great dermoscopic imitator. *Journa* 



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### Acknowledgements



Lynsey Eddy



Dr Batoul Nasr

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### References

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- 2. Lallas, A., Chellini, P. R., Guimarães, M. G., Cordeiro, N., Apalla, Z., Longo, C., Moscarella, E., Alfano, R. & Argenziano, G. 2016. Eccrine poroma: the great dermoscopic imitator. *Journal of the European Academy of Dermatology and Venereology*, 30, e61-e63.
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