Pigmented Eyelid and Epibulbar Lesions

**Benign**
1. Freckle (ephelis)
2. Racial melanosis
3. Nevus
   - Is a hamartoma
   - Progress from junctional → compound → subepithelial
   - 1/2 contain epithelial inclusion cysts
   - Goblet cells in cyst secrete mucin
   - Lesion enlarges → false impression of malignant transformation
   - Rapid enlargement during teens common, not worrisome for malignant change

**Ocular**
- word (synonym)

**Congenital**
- two words
- of skin

**Malignant**
- word
- of the conj

**Pigmented Eyelid and Epibulbar Lesions**

**Melanoma of the conj**
- Prevalence 1-2/million whites
- Metastasize? Yes
- 1/3 arise from PAM, 1/3 from acquired (not congenital) nevi, 1/3 de novo
- Prognosis:
  - Better than cutaneous
  - By location: Bulbar > nonbulbar
  - Limbal > nonlimbal
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**Management**
- Excisional biopsy (no ↑ risk of mets)
- Exenterate if orbital
- Check for lymphadenopathy

**Congenital nevocellular nevi of skin**
- aka…
- Black lesion of eyelid skin
- Malignant potential proportional to size
- Consider excision if larger than 20cm

**Ocular melanocytosis**
- Pigmented lesion of episclera (not conj!)
- ↑ prevalence in pigmented peoples
- Malignant change occurs only in whites
- 1/2 with nevus of Ota
- 10% will develop secondary OAG
- Lifetime risk for melanoma of uvea, conj, skin, orbit: 1 in 400 (unaffected baseline risk is 1 in 13,000)
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‘Racial melanosis’ is also known as…

Ocular melanocytosis

Congenital nevocellular nevi of skin

Malignant
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Pigmented Eyelid and Epibulbar Lesions

‘Racial melanosis’ is also known as…
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‘Racial melanosis’ is also known as... *complexion-associated melanosis (CAM)*

Congenital nevocellular nevi of skin

Pigmented Eyelid and Epibulbar Lesions

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Malignant
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Congenital nevocellular nevi of skin

Malignant Melanoma of the conj

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Congenital nevocellular nevi of skin

aka... giant hairy nevus

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**What’s the other name for a subepithelial nevus?**

A dermal nevus

aka...?
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3) Nevus
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     aka... *dermal nevus*

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Ocular melanocytosis

Congenital nevocellular nevi of skin

Malignant
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For most individuals, by what age will essentially all nevi have evolved to the subepithelial stage?

Pigmented Eyelid and Epibulbar Lesions

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giant hairy nevus
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Congenital nevocellular nevi of skin

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2) Racial melanosis
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   --Rapid enlargement during teens common, not worrisome for malignant change

Malignant
Melanoma of the conj
--Prevalence 1-2/million whites

Ocular melanocytosis

Congenital nevocellular nevi of skin

Pigmented Eyelid and Epibulbar Lesions
Pigmented Eyelid and Epibulbar Lesions

**Malignant**

*Melanoma of the conj*

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**Congenital nevocellular nevi of skin**

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**Malignant**
Melanoma of the conj
-- Prevalence 1-2/million whites
-- Metastasize? (Y/N)

**Congenital nevocellular nevi of skin**

**Ocular melanocytosis**
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**Congenital nevocellular nevi of skin**

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In this context, what does PAM stand for?
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**Prognosis:**  
Better than cutaneous  
*By location:* Bulbar > nonbulbar  
Limbal > nonlimbal  
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**Management:**  
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**Congenital nevocellular nevi of skin**

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**Ocular melanocytosis**

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There has never been a documented case of malignant transformation of a nevi before age…

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After what age would the appearance of a new pigmented lesion be worrisome for a melanoma?
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Malignant Melanoma of the conjunctiva:
- Prevalence: 1-2/million whites
- Metastasize?: Yes
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  - Better than cutaneous
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There’s that number again...
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**Congenital nevocellular nevi of skin**

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Pigmented Eyelid and Epibulbar Lesions

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**Congenital nevocellular nevi of skin**

While it may be better than the cutaneous version, is it reasonable to say that conj melanoma has a **good** prognosis?

--70% arise from PAM, 5% from acquired (not congenital) nevi, 25% de novo

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--Malignant potential proportional to size

--Consider excision if larger than 20cm

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What is the mortality rate of conj melanoma?

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Ocular melanocytosis

Congenital nevocellular nevi of skin

While it may be better than the cutaneous version, is it reasonable to say that conj melanoma has a **good** prognosis? No, probably not

What is the mortality rate of conj melanoma? About 25%

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> = ‘better than’
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**Pigmented Eyelid and Epibulbar Lesions**

- Ocular melanocytosis
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- Ocular melanocytosis
  --Pigmented lesion of episclera [not conj!]
  --↑ prevalence in pigmented peoples
  --Malignant change occurs only in whites
  --1/2 with nevus of Ota
  --10% will develop secondary OAG
  --Lifetime risk for melanoma of uvea, conj, skin, orbit: 1 in 400 (unaffected baseline risk is 1 in 13,000)
  --Usually unilateral

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**Ocular melanocytosis**

**Congenital nevocellular nevi of skin**
**Pigmented Eyelid and Epibulbar Lesions**

**Benign**
1) Freckle (ephelis)
2) Racial melanosis
3) Nevus
   -- Is a hamartoma
   -- Progress from *junctional* nevus → *compound* nevus → *subepithelial* nevus
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   -- Rapid enlargement during teens common, not worrisome for malignant change

**Malignant**

**Melanoma of the conj**
-- Prevalence 1-2/million whites
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Ocular melanocytosis

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--aka…giant hairy nevus

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- **Congenital nevocellular nevi of skin**
  --aka... giant hairy nevus
  --color? lesion of eyelid skin

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### Congenital nevocellular nevi of skin
- aka giant hairy nevus
- **Black** lesion of eyelid skin

### Ocular melanocytosis

**Congenital nevocellular nevi of skin**
- Pigmented lesion of episclera (not conj!)
- ↑ prevalence in pigmented peoples
- Malignant change occurs only in whites
- 1/2 with nevus of Ota
- 10% will develop secondary OAG
- Lifetime risk for melanoma of uvea, conj, skin, orbit: 1 in 400 (unaffected baseline risk is 1 in 13,000)
- Usually unilateral
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--Consider excision if larger than…
**Congenital nevocellular nevi of skin**

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Ocular melanocytosis
--Pigmented lesion of eye layer (not conj!)

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**Ocular melanocytosis**
--Pigmented lesion of **episclera** (not conj!)

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**Ocular melanocytosis**
--Pigmented lesion of episclera (not conj!)
--↑ prevalence in like race, sorta peoples

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**What is nevus of Ota?**
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- Most likely to be affected: Asians

**Pigmented Eyelid and Epibulbar Lesions**
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