

Ocular Oncology



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National Ocular Oncology Service





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Uveal Melanoma

- Commonest primary intraocular malignancy in adults.
- Frequency: 5-7/million population/year
- Male = Females
- Overall mortality approximately 50%.



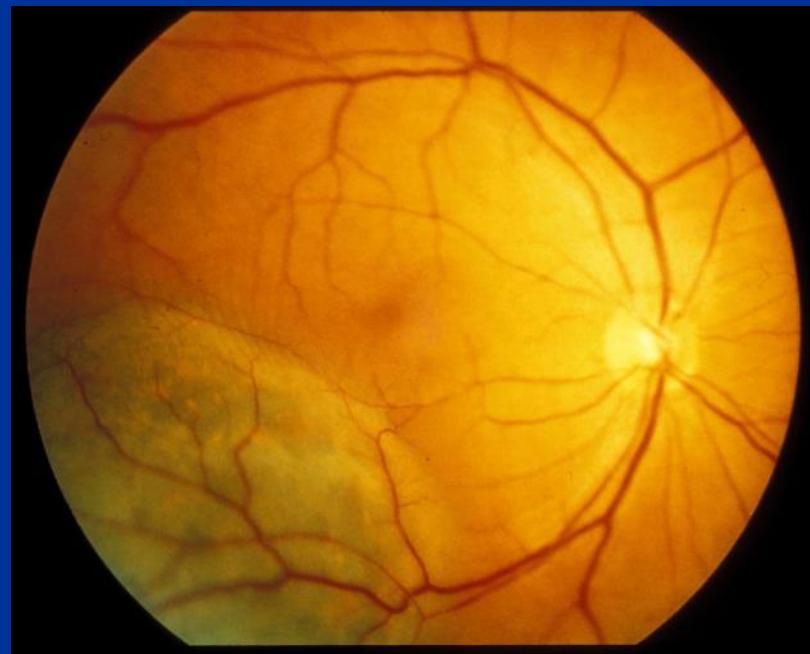
capture1
06/03/2013
14

Not original data

Uveal Melanoma: Associations

Ethnic Origin

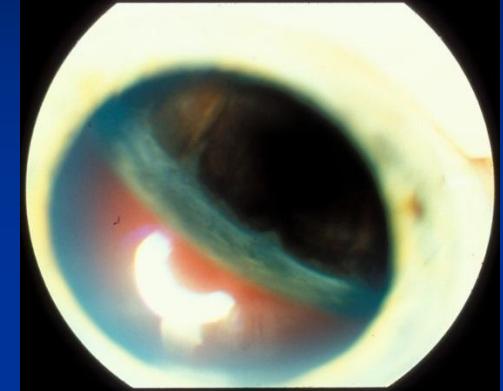
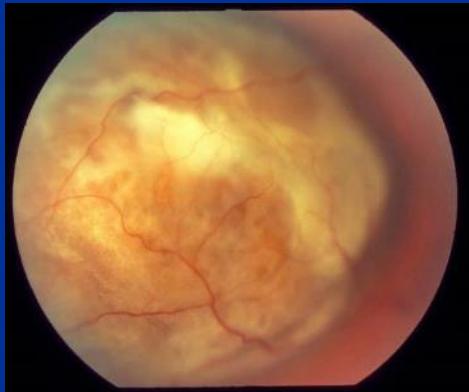
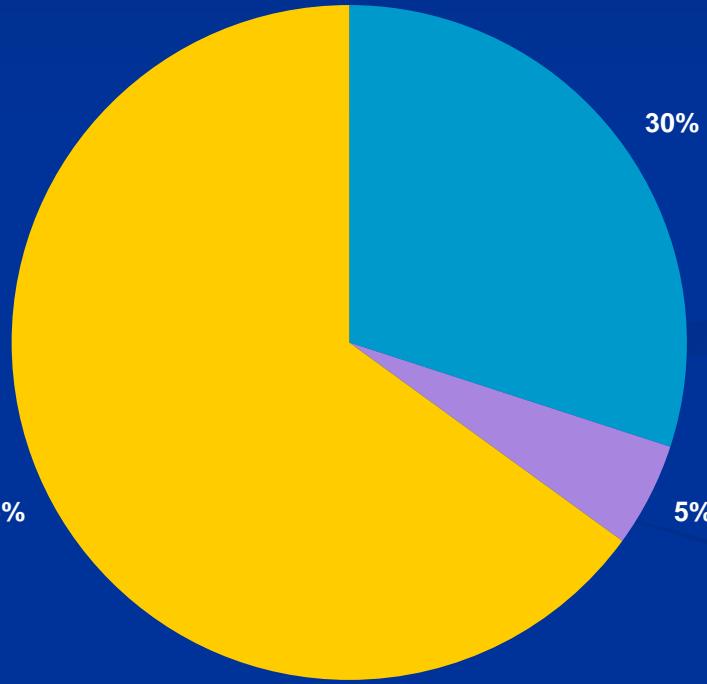
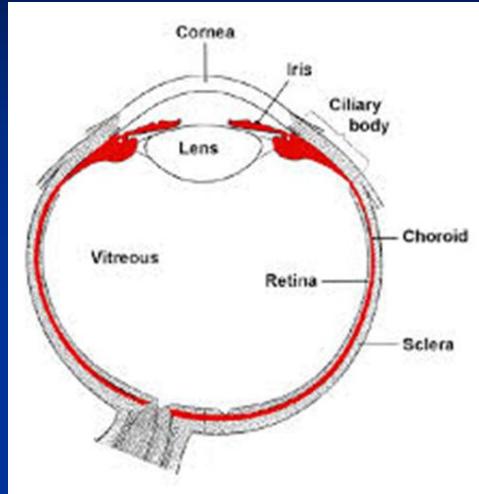
Whites x300



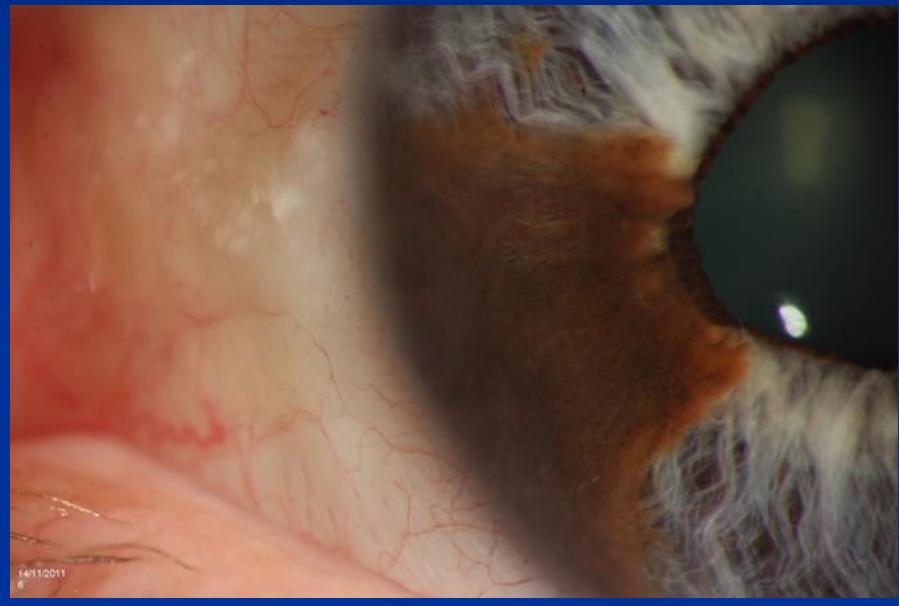
Non-whites x1



Uveal Melanoma: Location

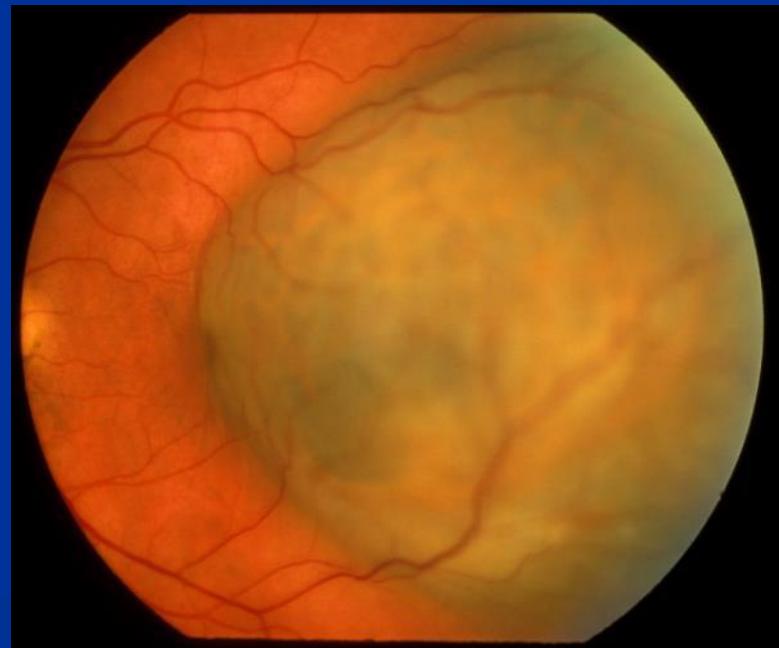
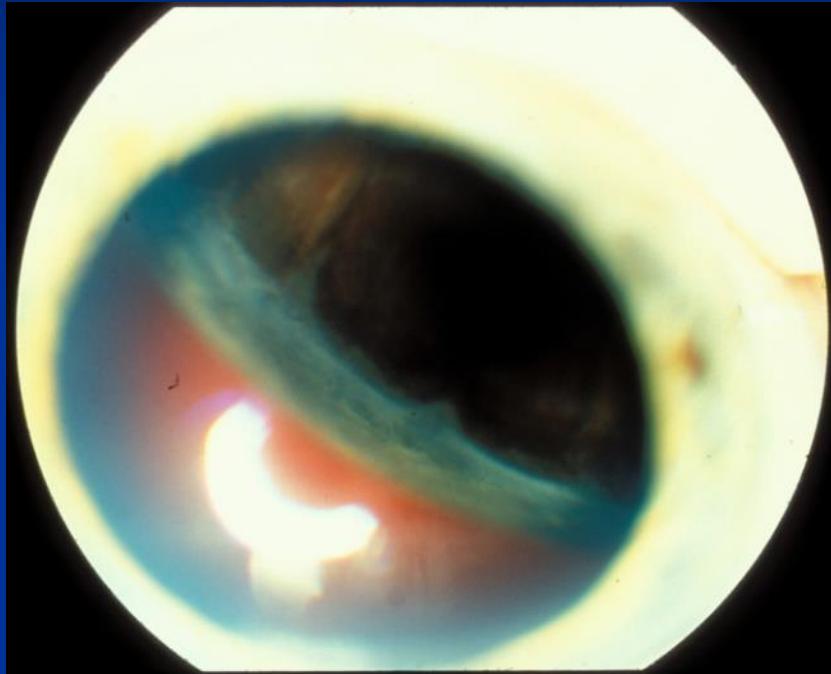


Iris Melanoma

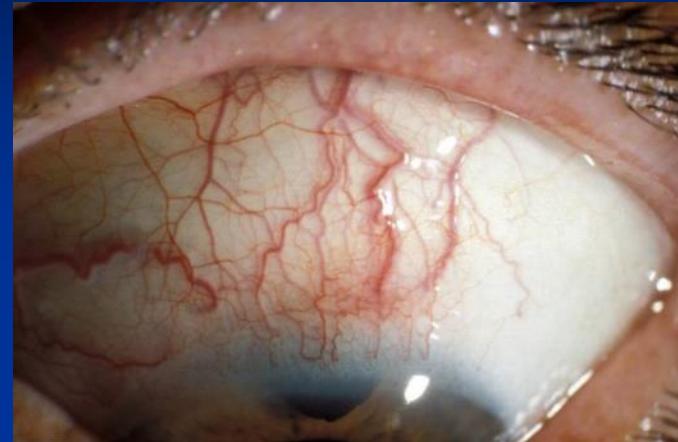
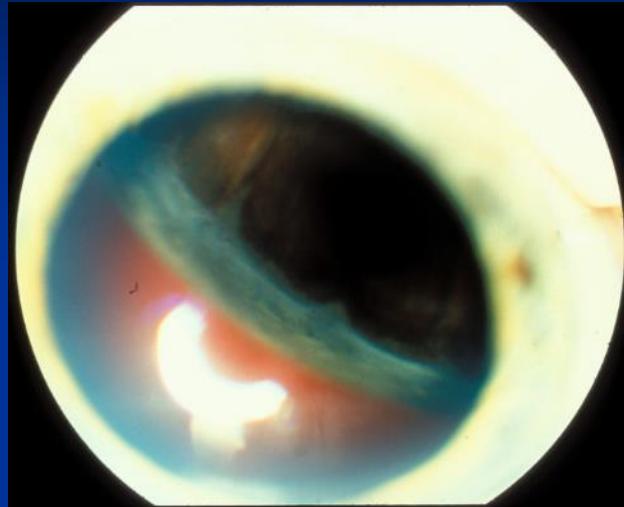


Posterior Uveal Melanoma

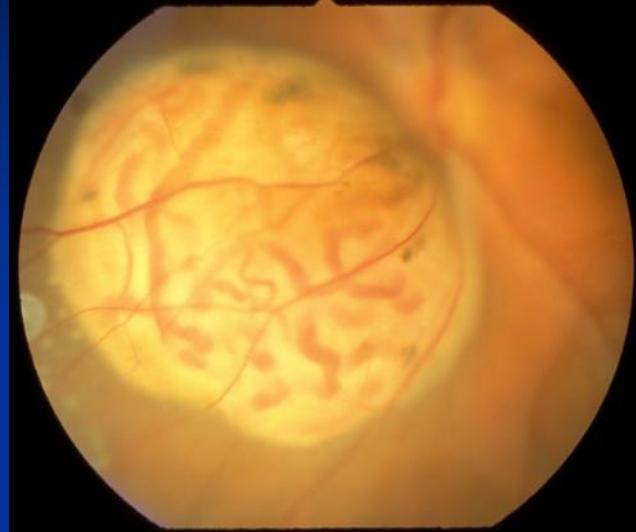
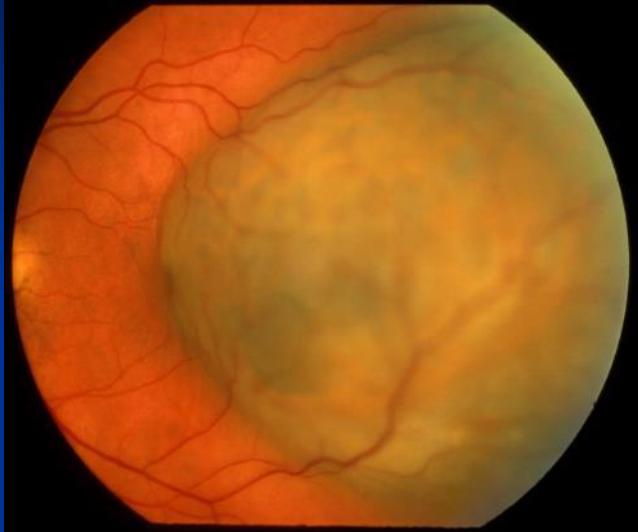
Ciliary Body & Choroid



Ciliary Body Melanomas



Choroidal Melanomas

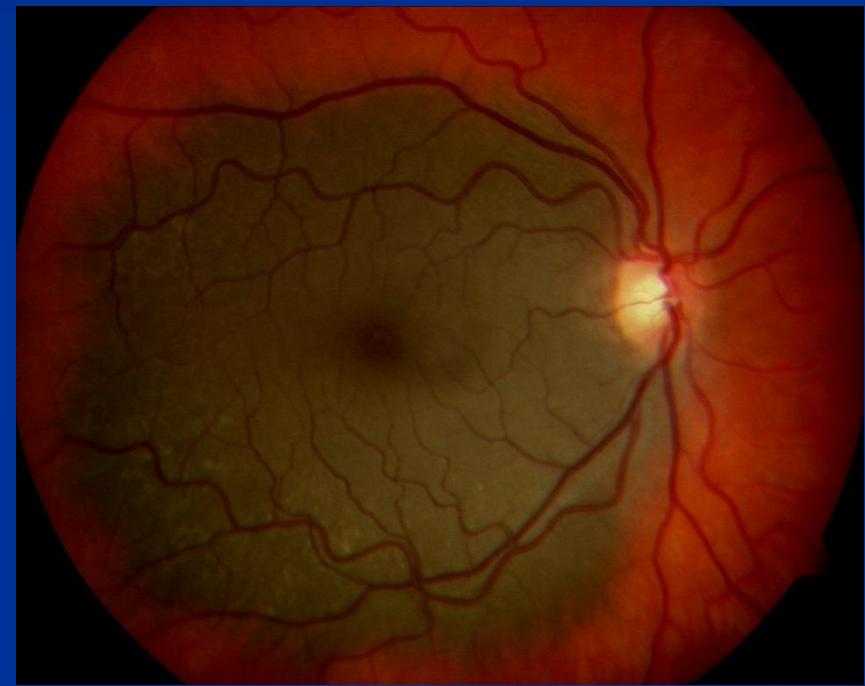


Choroidal Naevi

- Common
- Frequency 5-10%
- Slate grey
- Flat/ minimal elevation
- Ill-defined border
- Surface drusen



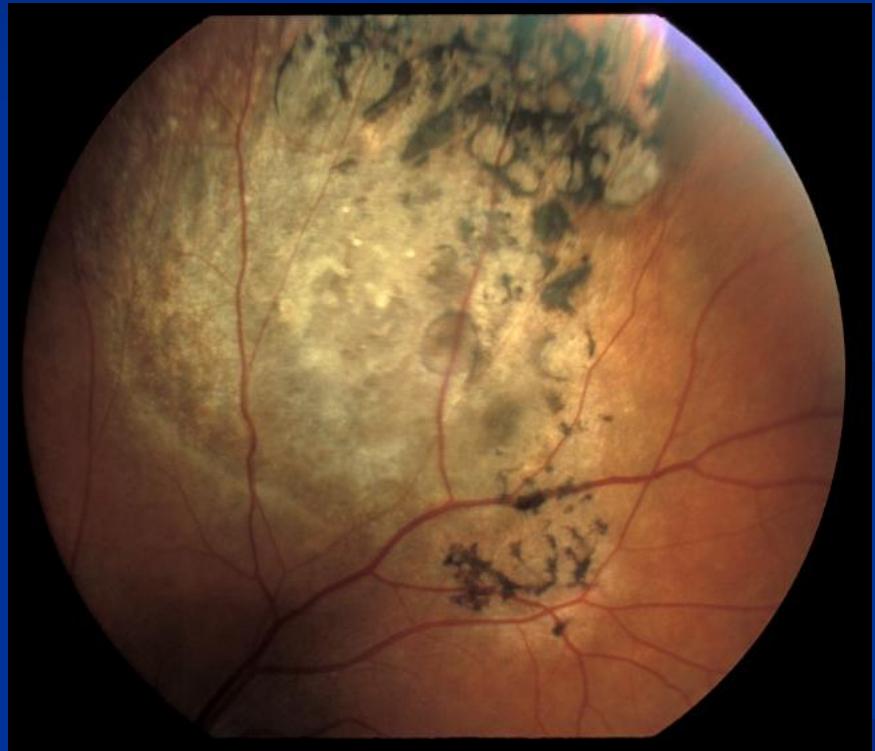
Choroidal Naevi



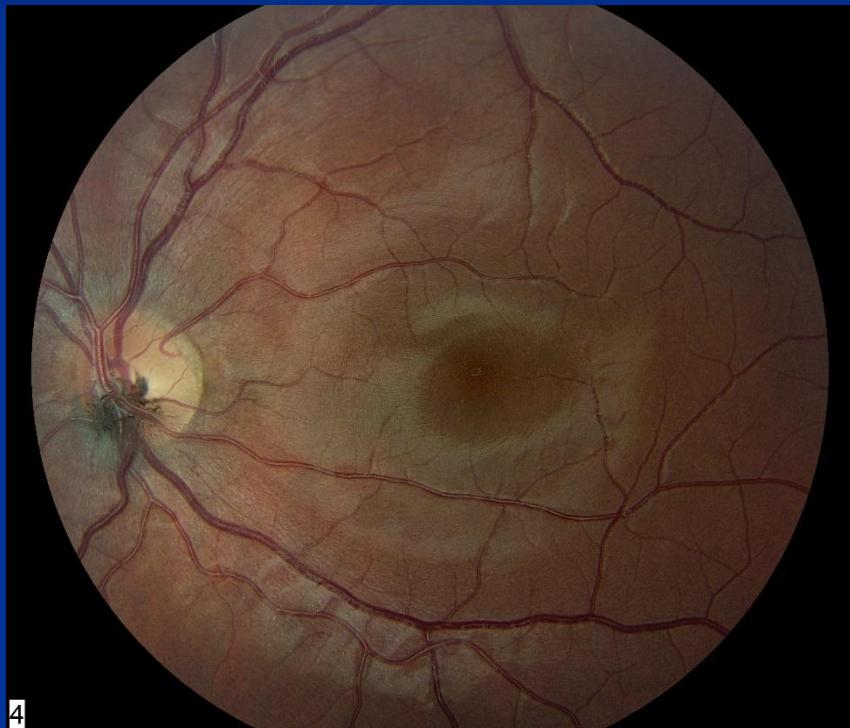
Indeterminate Melanocytic Lesions (IMLs)

{Low grade melanomas Atypical Naevi Nevomas}

- Raised
- Variable Pigmentation
- RPE surface changes
- Slow growing
- Low malignant potential



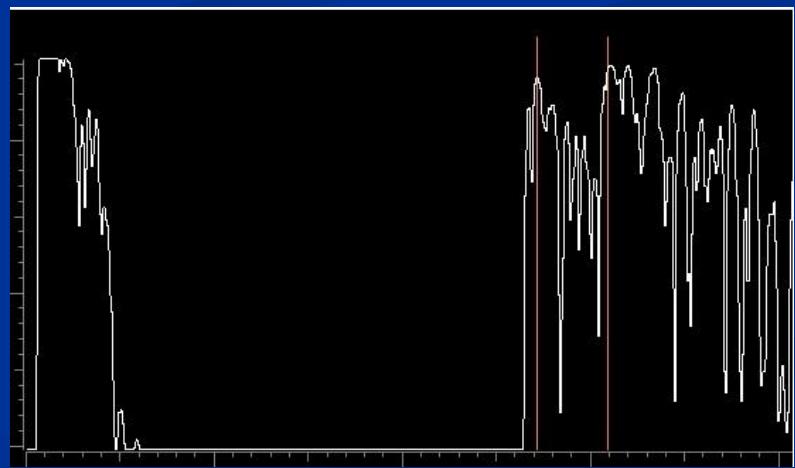
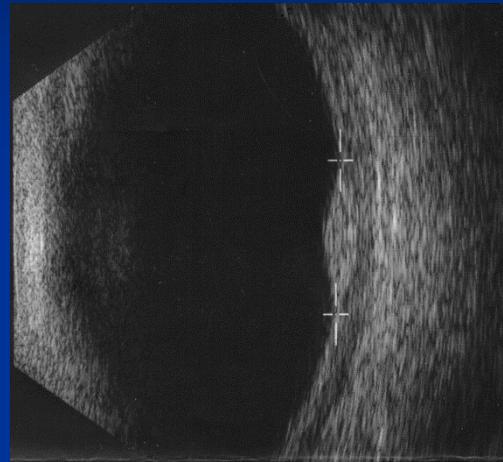
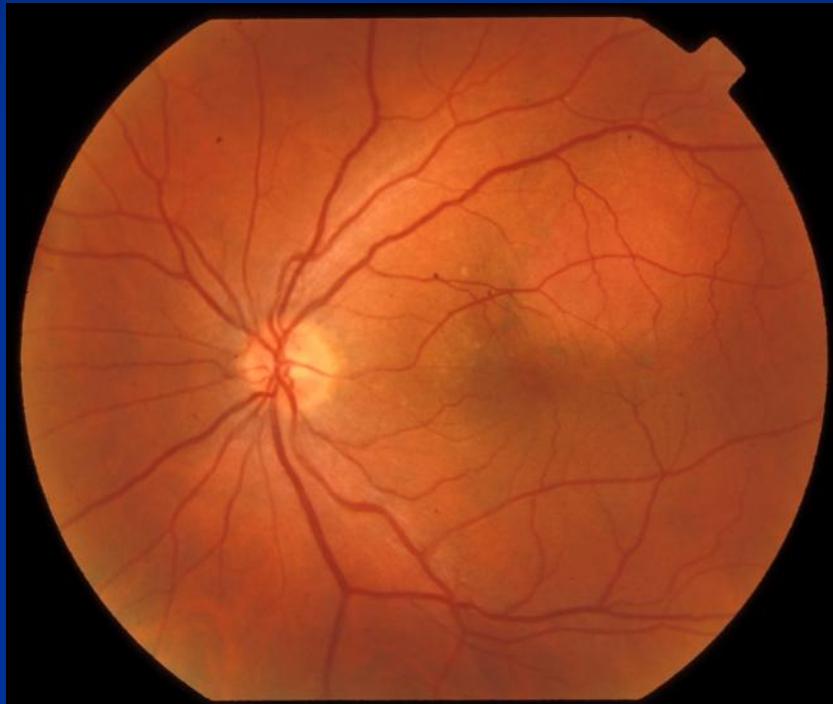
Melanocytoma



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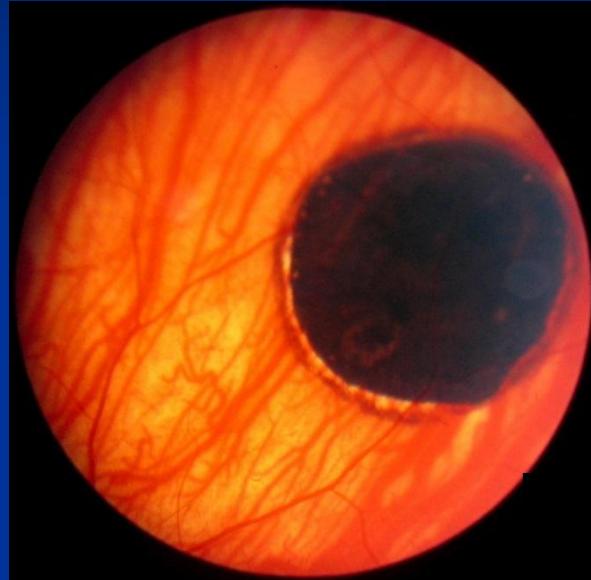


Choroidal Haemangioma

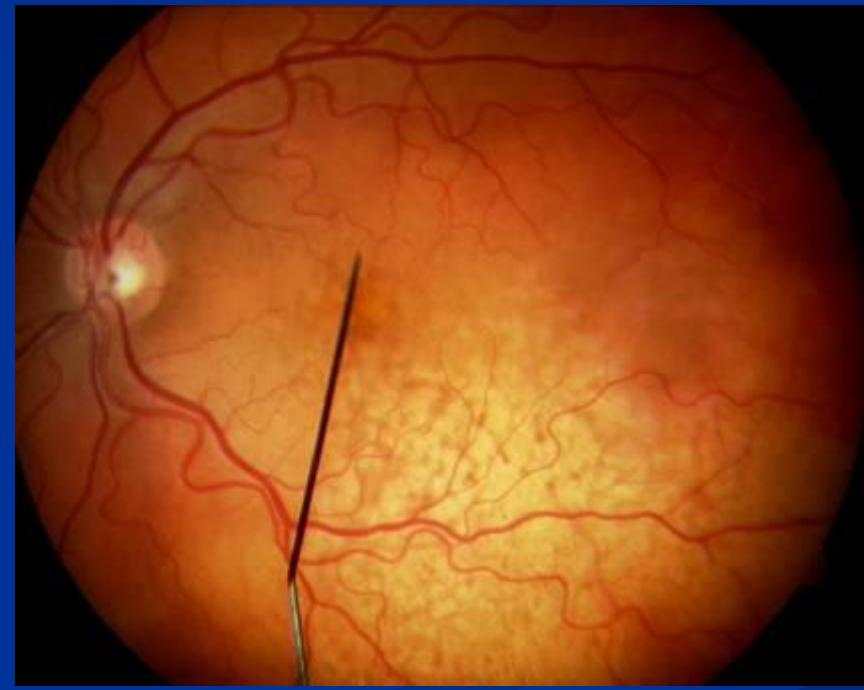
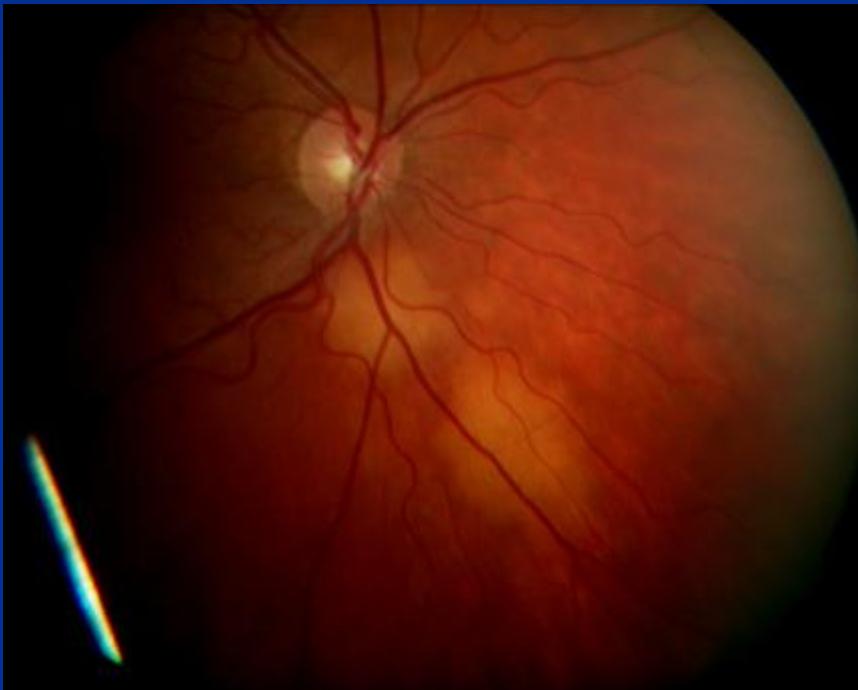


Congenital Hypertrophy of the RPE [CHRPE]

- Isolated or grouped
- Peripheral location
- Deeply pigmented
- Halo & Lacunae
- Occasional slow growth
- No malignant transformation



Choroidal Metastases

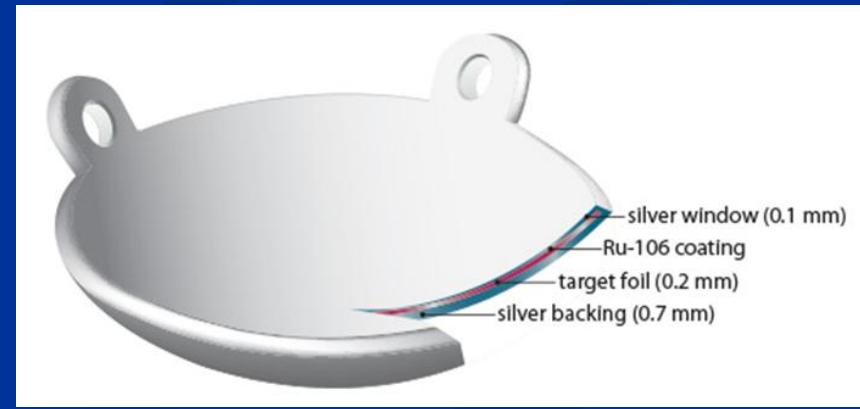


Posterior Uveal Melanoma: Treatment: Sheffield

- Ruthenium Plaque Brachytherapy
- Proton Beam
- Stereotactic Radiosurgery
- PDT
- Local Resection
- Enucleation



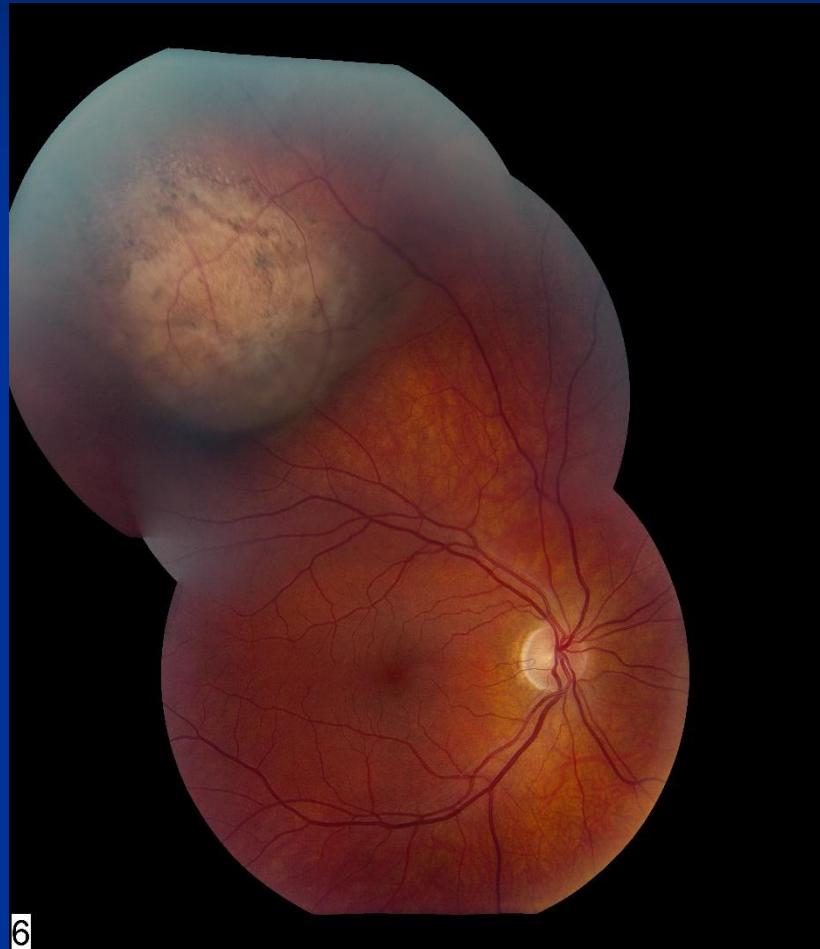
Ruthenium Plaque Brachytherapy



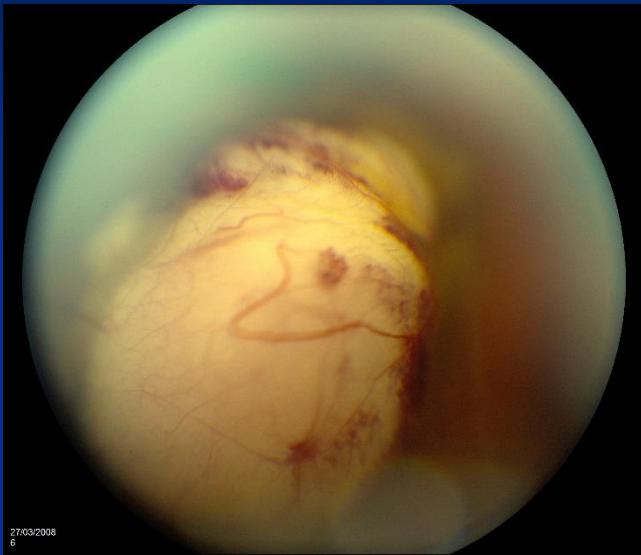
Ruthenium Plaque Brachytherapy



Ruthenium Plaque Brachytherapy



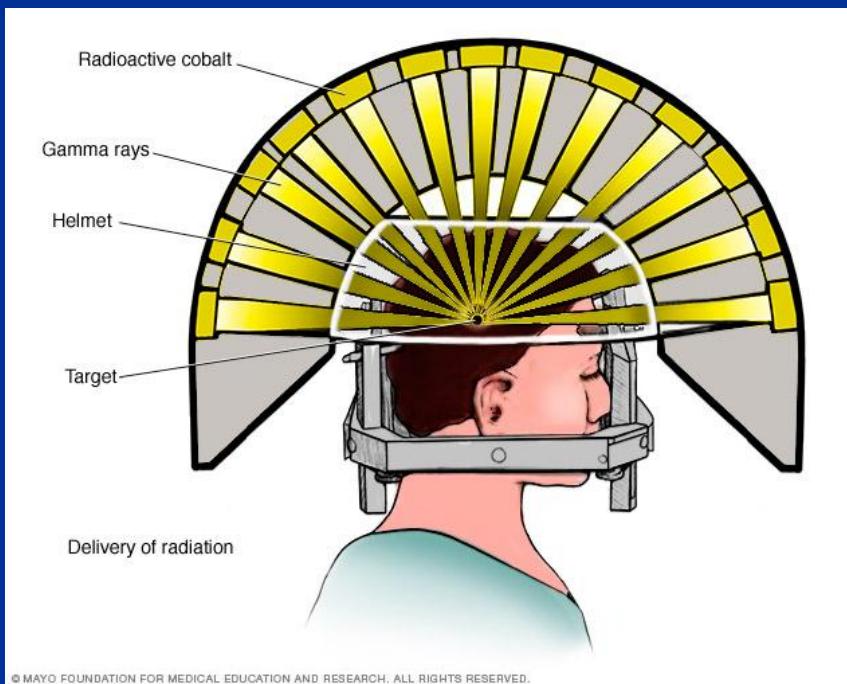
Proton Beam



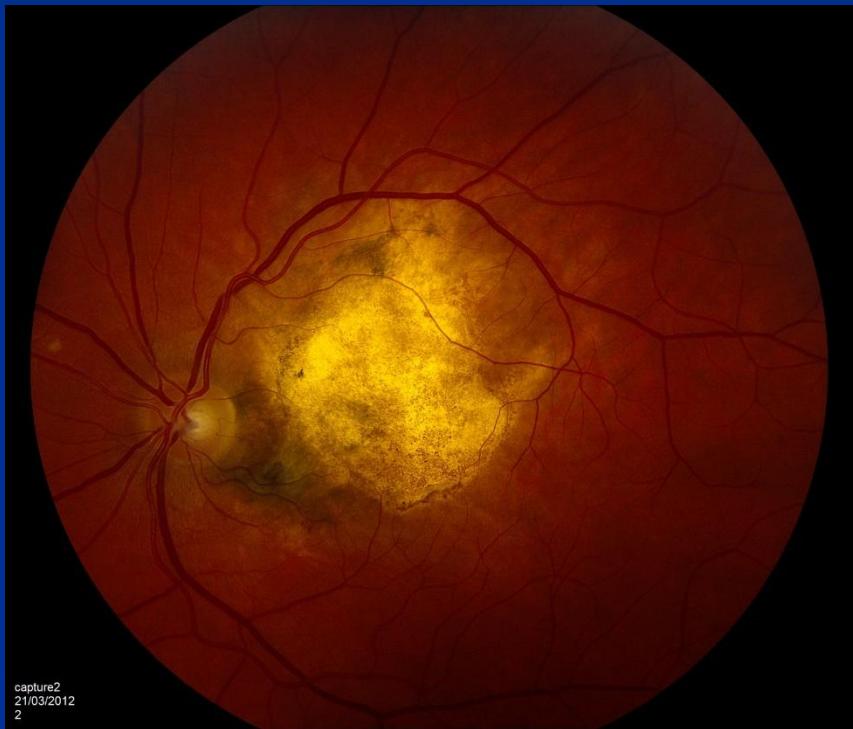
Stereotactic Radiosurgery



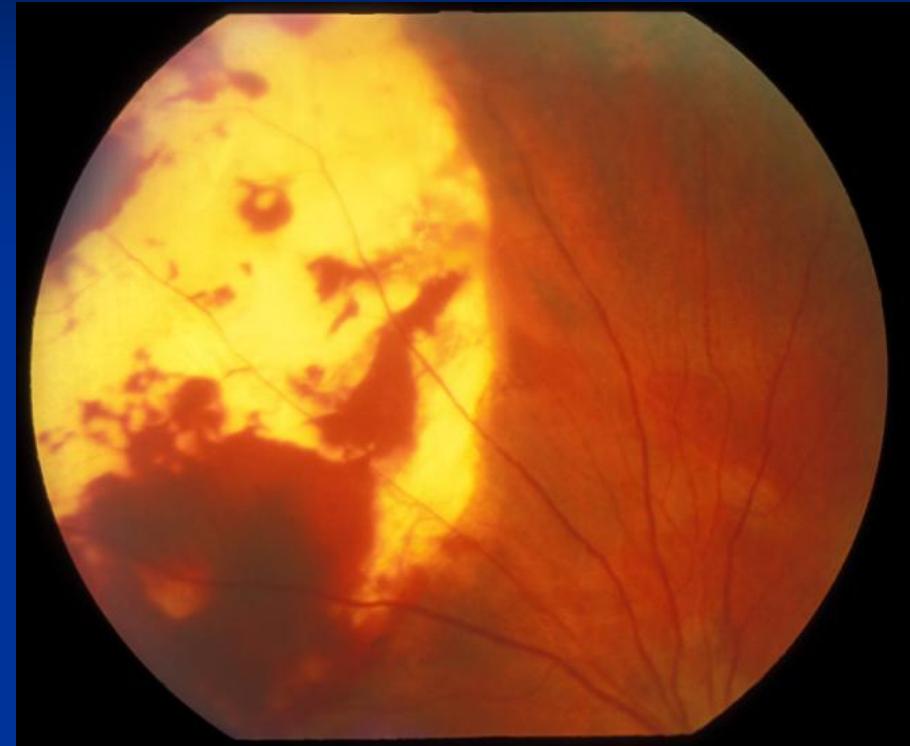
Stereotactic radiosurgery



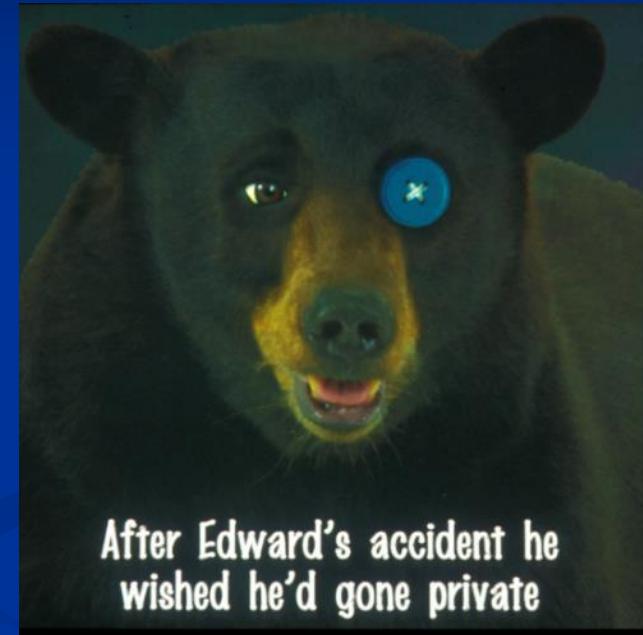
PDT



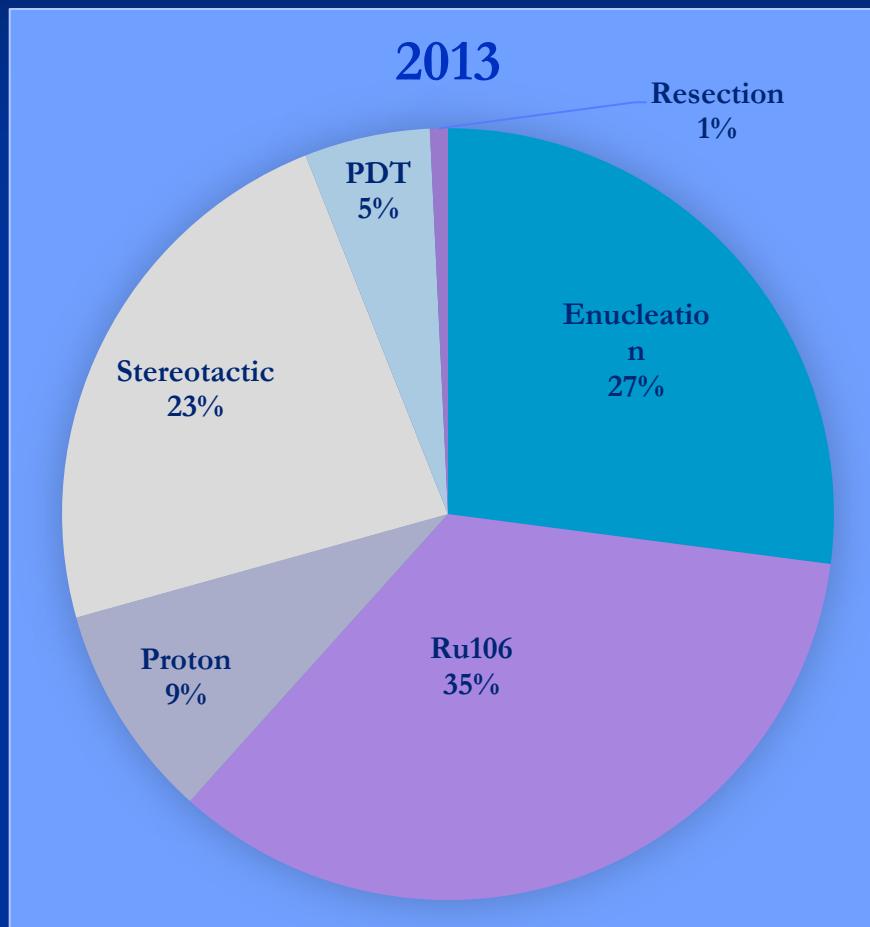
Local Resection



Enucleation



Ocular Oncology Service Sheffield: Treatment



A wide-angle photograph of a serene landscape. In the background, majestic mountains are covered in patches of white snow. The middle ground features a dark blue lake with a perfect reflection of the surrounding environment. A small, dark island with dense green trees sits in the center of the lake. The foreground is framed by the silhouettes of bare tree branches against a bright sky.

Thank You