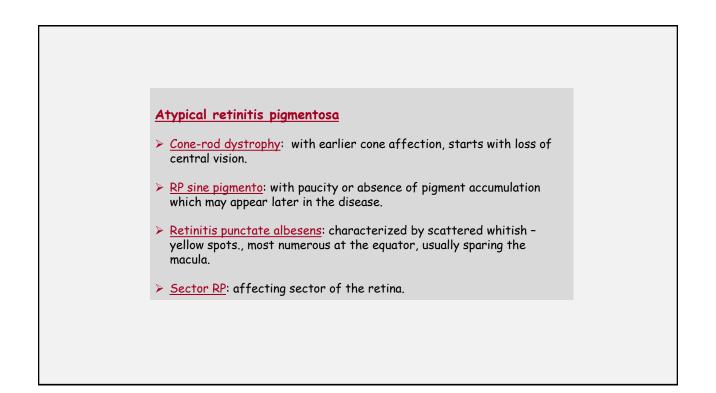
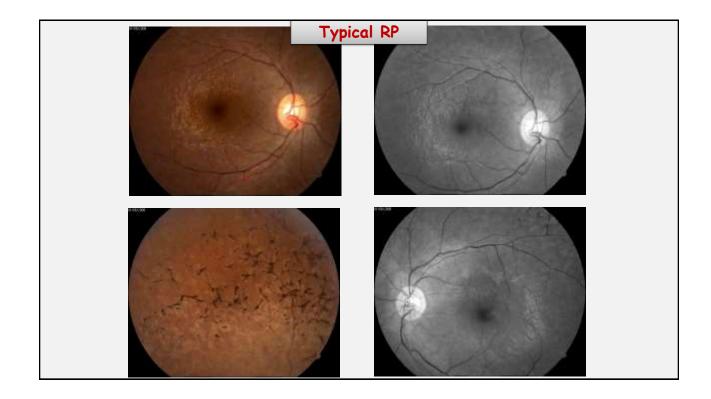
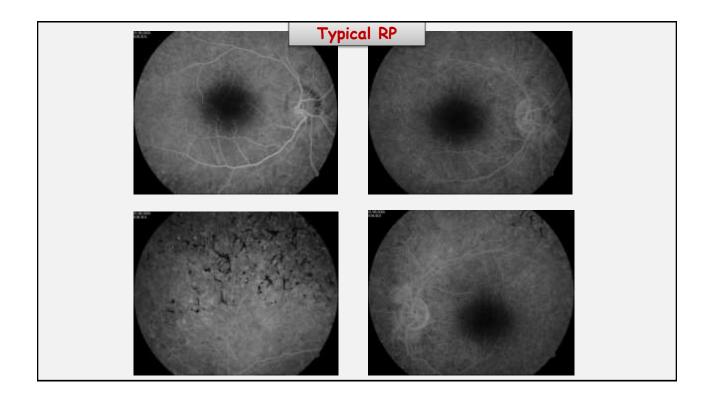


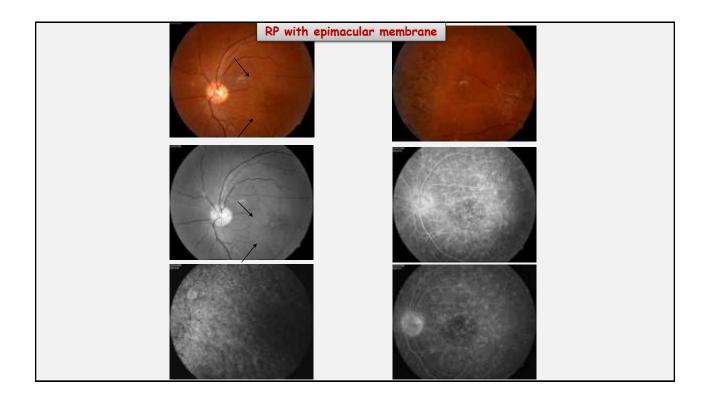
Generalized Photoreceptor dystrophy
They include the following:
> Retinitis pigmentosa.
Progressive cone dystrophy.
> Leber congenital amaurosis.
Stargardt disease and fundus flavimaculatus
 Bietti crystalline corneo-retinal dystrophy.
> Alport syndrome.
> Familial benign flecked retina.
> Pigmented paravenous chorioretinal atrophy.
Congenital stationary night blindness.
Congenital monochromatism.

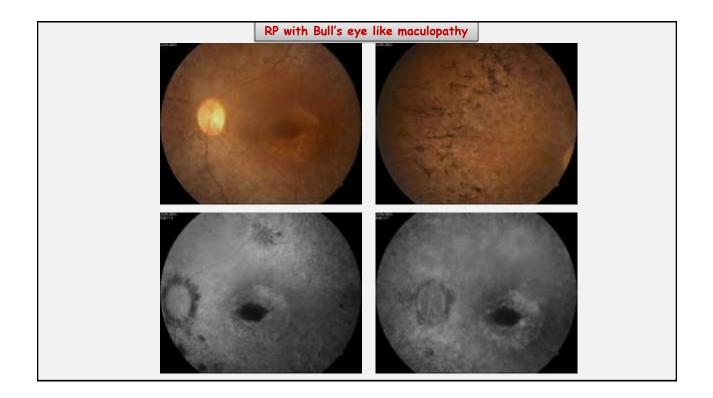
It may be typical or atypical Typical retinitis pigmentosa Presentation: starts with nyctalopia & ends by drop of central vision. Signs: > Arteriolar attenuation. > Pigmentary disturbances. > Beaten-metal glistening reflex at the macula (ILM changes). > Consecutive optic atrophy. > Maculopathy e.g epimacular membrane, cystoid macular oedema & atrophic maculopathy.	Retinitis Pigmentosa	
 Presentation: starts with nyctalopia & ends by drop of central vision. Signs: Arteriolar attenuation. Pigmentary disturbances. Beaten-metal glistening reflex at the macula (ILM changes). Consecutive optic atrophy. Maculopathy e.g epimacular membrane, cystoid macular oedema & atrophic maculopathy. 	It may be typical or atypical	
 Signs: Arteriolar attenuation. Pigmentary disturbances. Beaten-metal glistening reflex at the macula (ILM changes). Consecutive optic atrophy. Maculopathy e.g epimacular membrane, cystoid macular oedema & atrophic maculopathy. 	<u>Typical retinitis pigmentosa</u>	
 Arteriolar attenuation. Pigmentary disturbances. Beaten-metal glistening reflex at the macula (ILM changes). Consecutive optic atrophy. Maculopathy e.g epimacular membrane, cystoid macular oedema & atrophic maculopathy. 	Presentation: starts with nyctalopia & ends by drop of central vision.	
Truestigations:	 Arteriolar attenuation. Pigmentary disturbances. Beaten-metal glistening reflex at the macula (ILM changes). Consecutive optic atrophy. Maculopathy e.g epimacular membrane, cystoid macular oedema & 	
<u>Threshganons</u>	Investigations:	
 ERG, EOG, perimetry, dark adaptometry, fluorescein angiography & OCT. 		

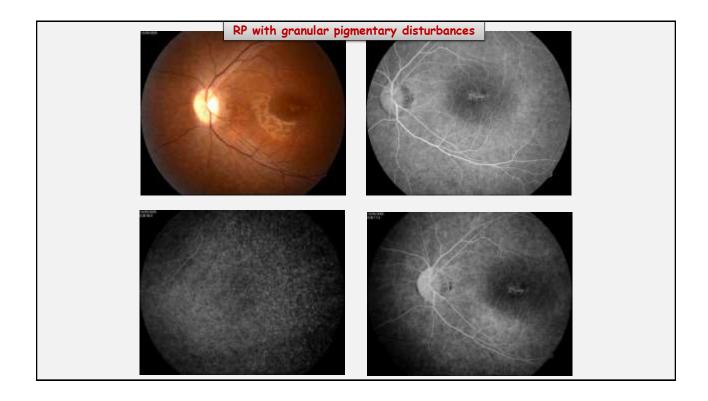


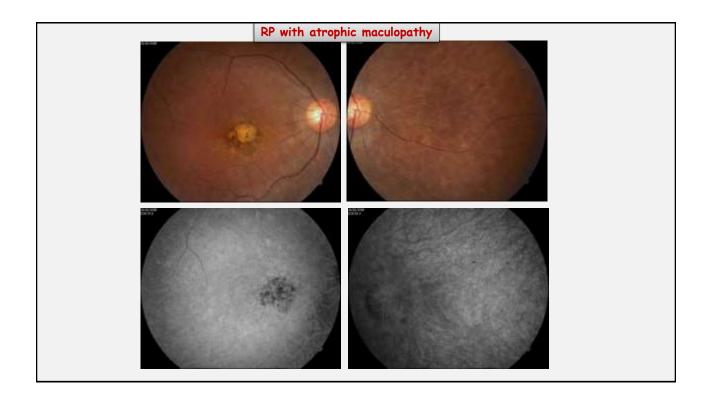


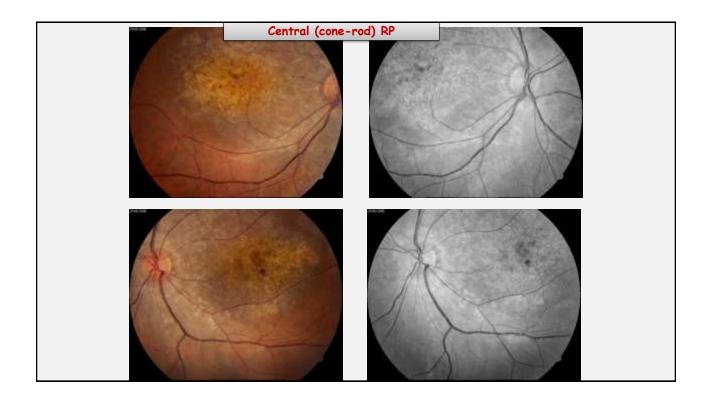


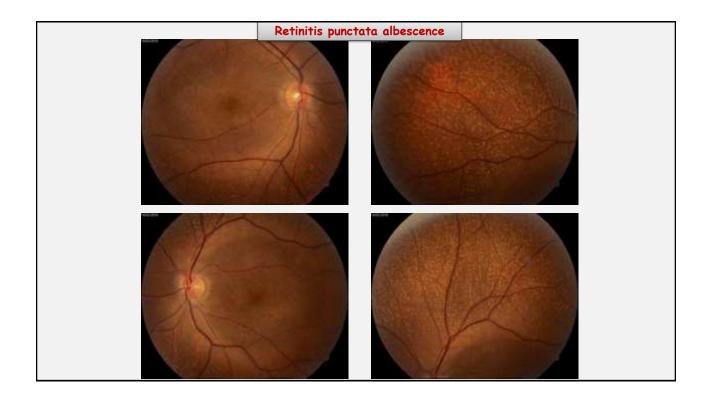


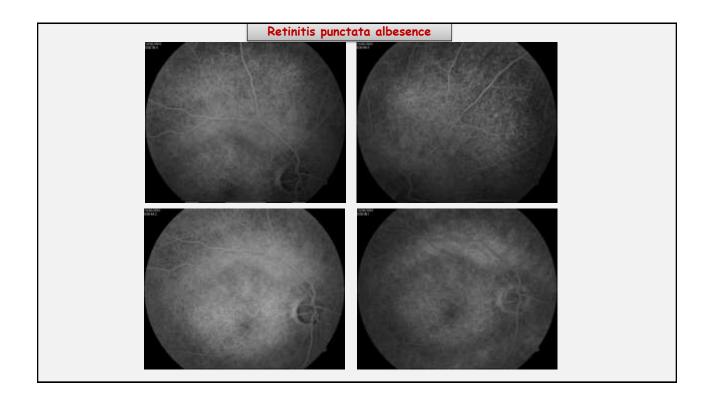


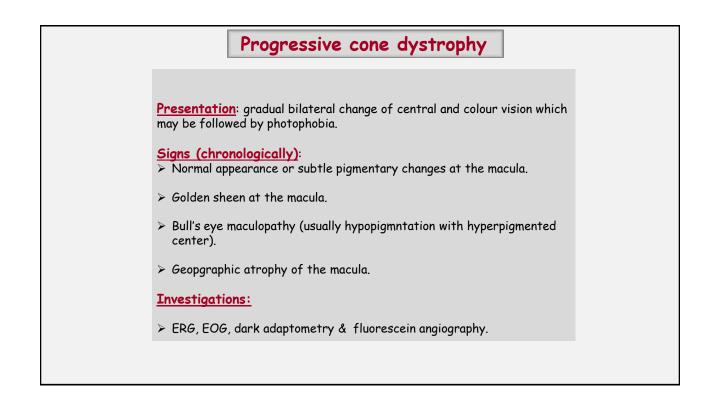


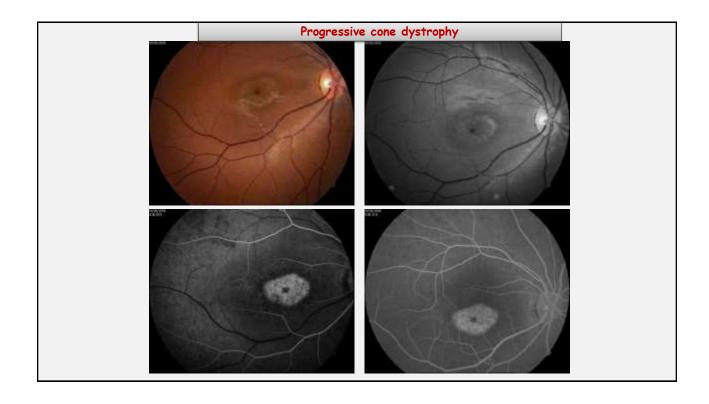


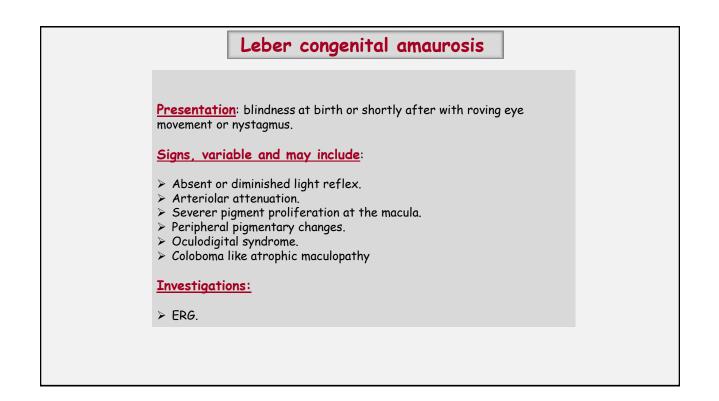


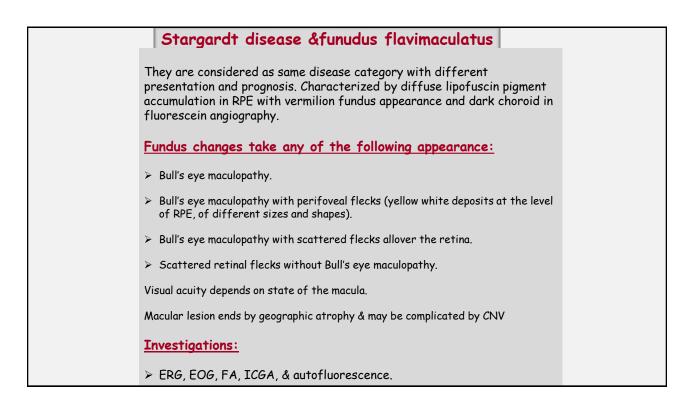


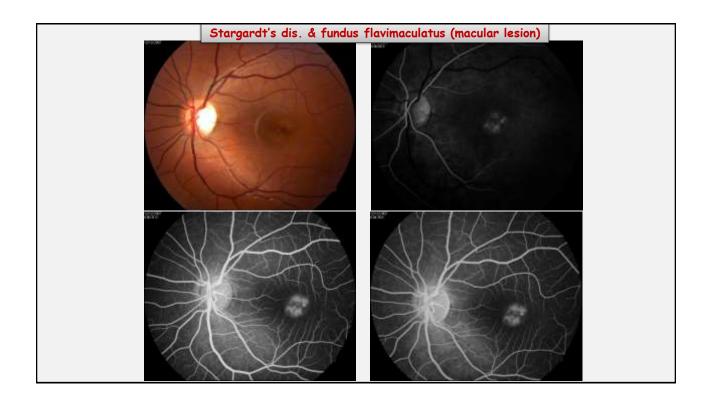




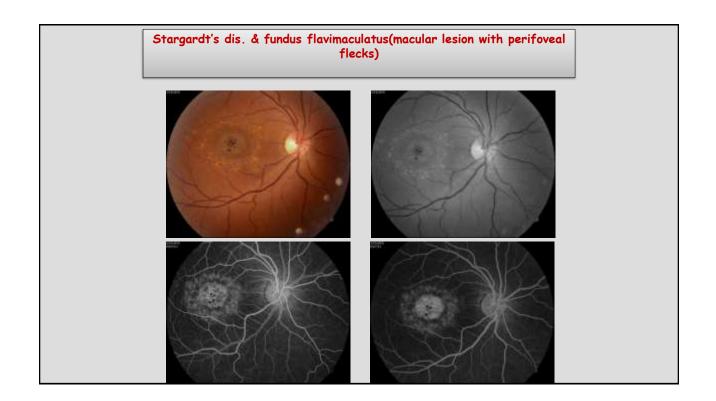


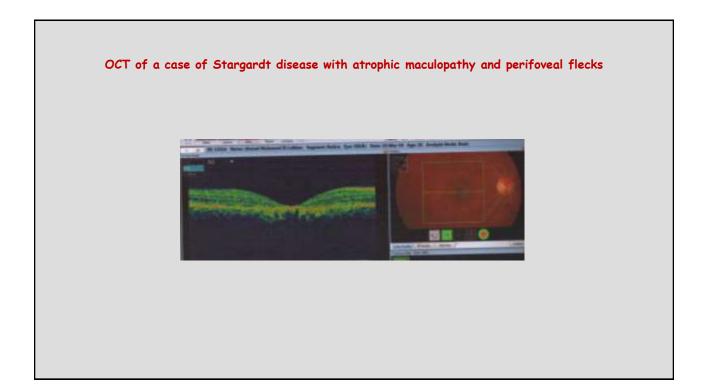


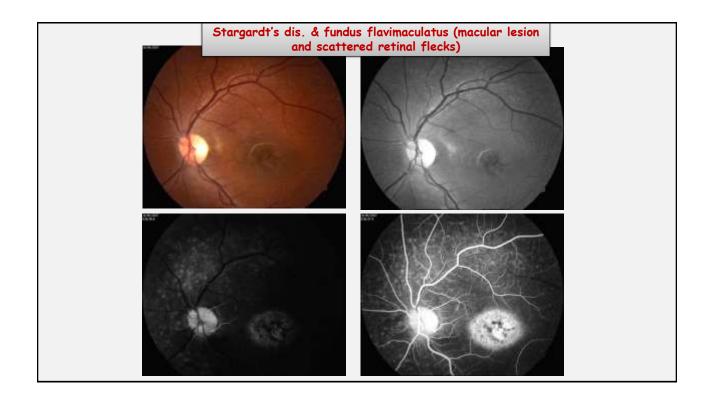


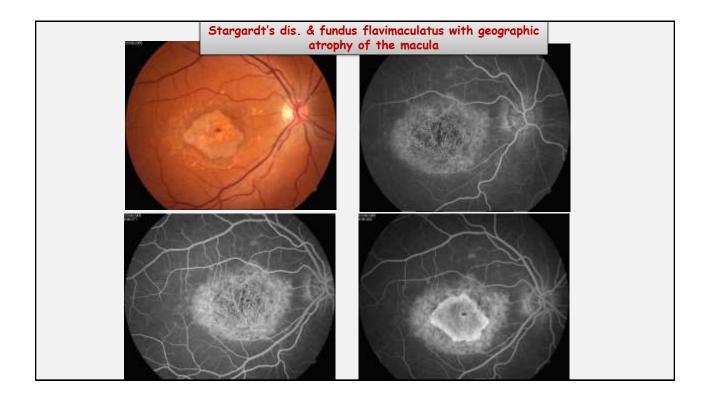


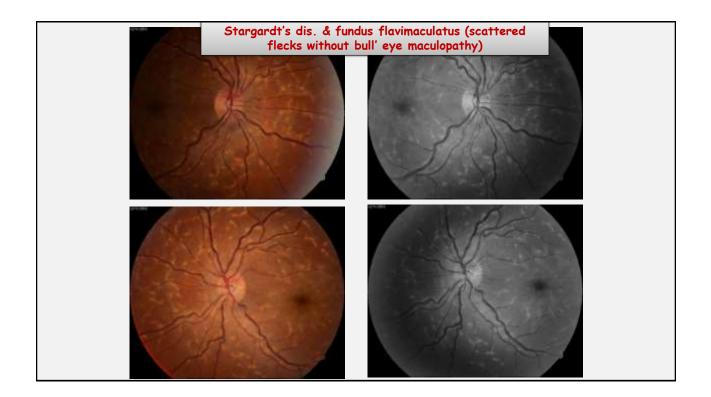












Pigmented paravenous chorioretinal atrophy

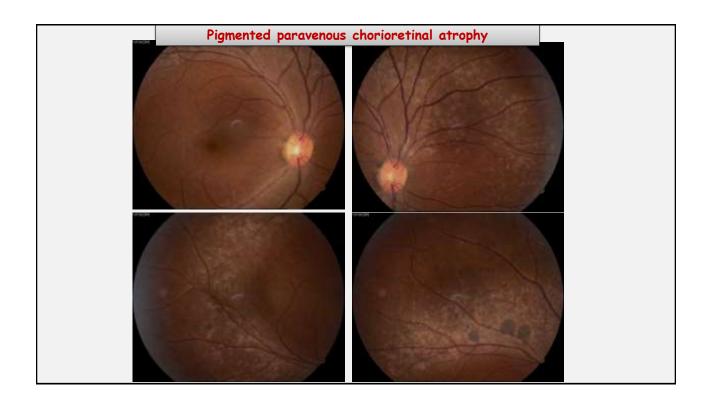
Presentation: usually innocuous, asymptomatic, stationary and accidentally discovered.

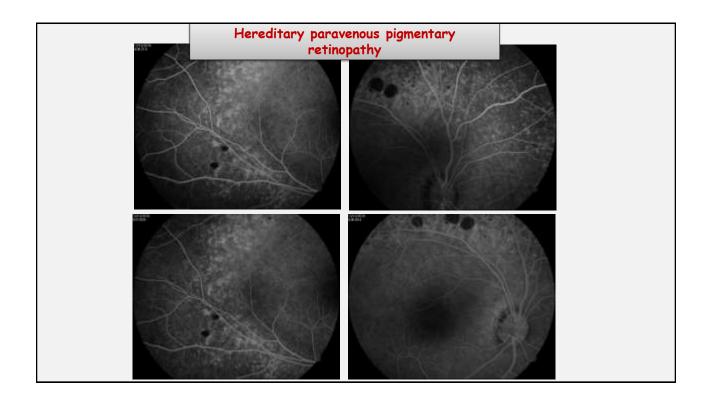
Signs:

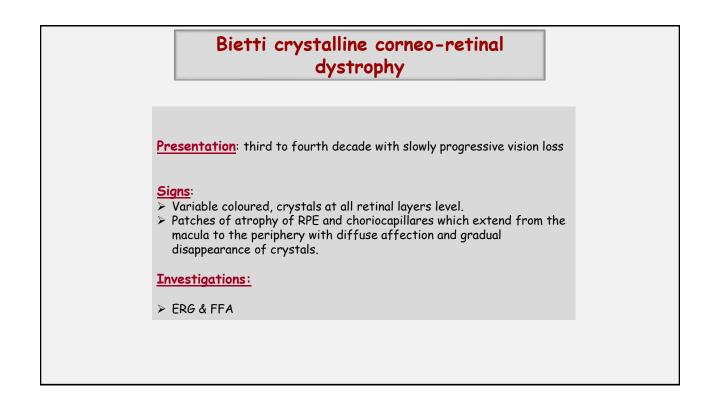
- > Sharply outlined atrophic patches along the major choroidal veins.
- > Bone spicule like pigment deposits.
 > Normal retinal blood vessels and optic disc.

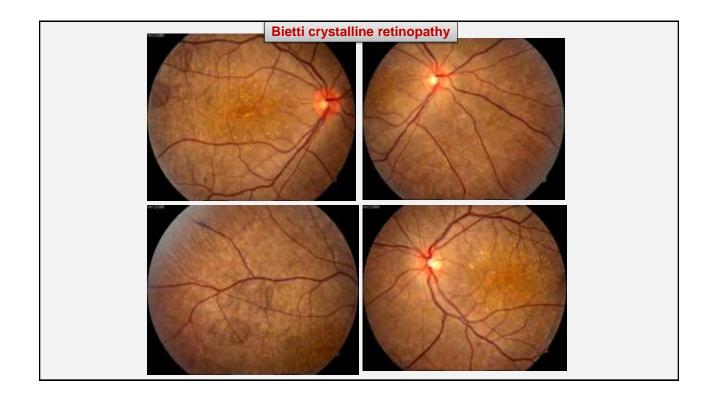
Investigations:

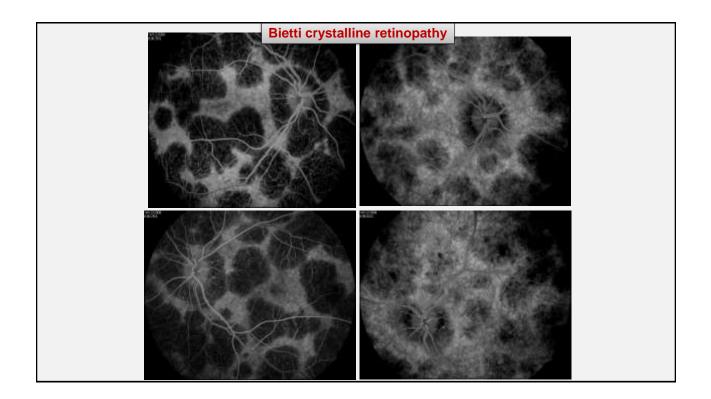
> ERG is normal.



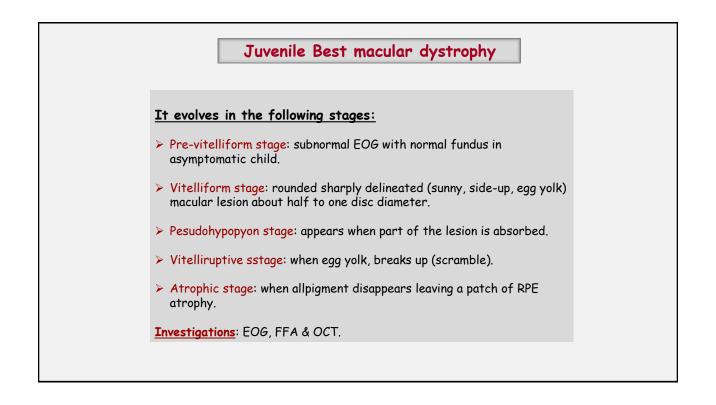


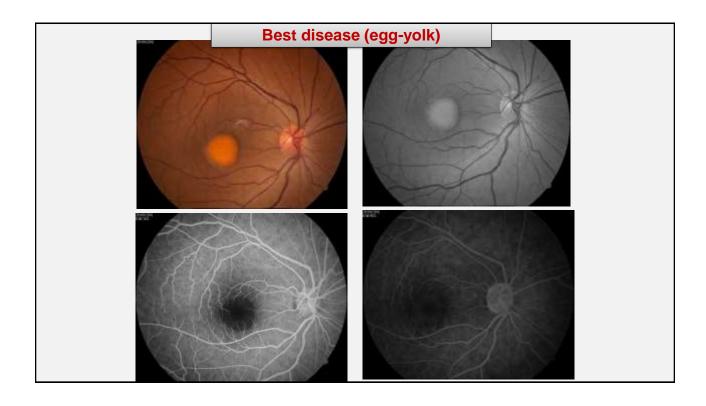


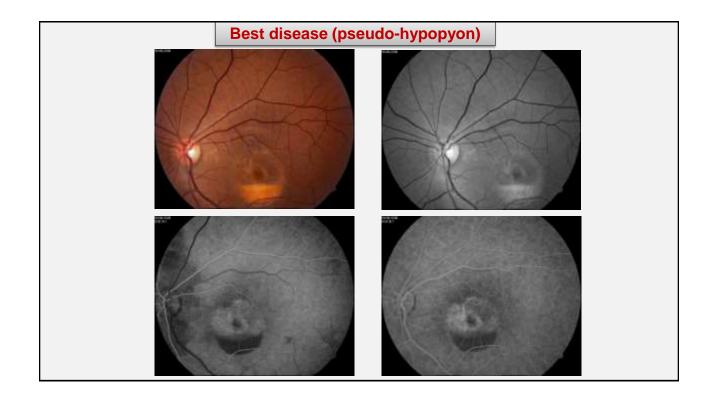


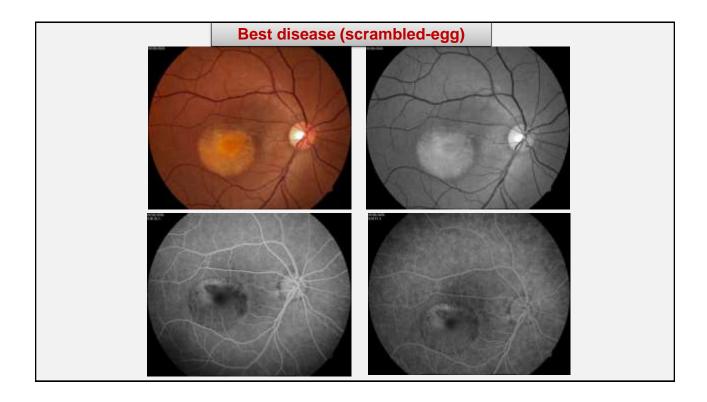


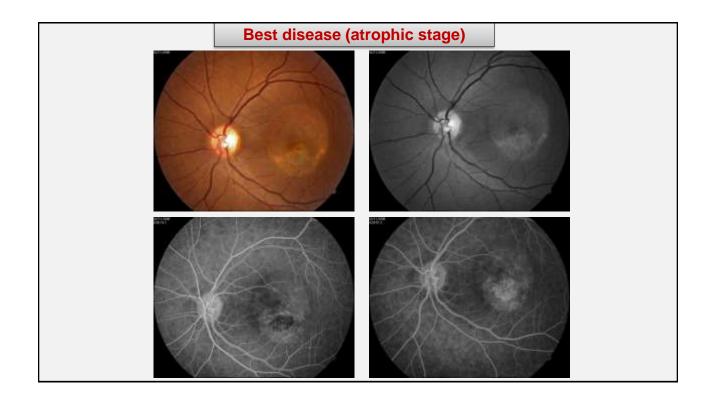
	Macular Dystrophies
1	They include the following:
>	> Juvenile Best macular dystrophy.
>	Multifocal vitelliform lesions.
>	> Pattern dystrophy.
>	North Carolina macular dystrophy.
>	Familial dominant drusen.
>	Sorsby pseudo-inflammatory dystrophy.
>	Benign concentric annular macular dystrophy.
>	Central areolar choroidal dystrophy.
>	Domiant cystoid macular oedema.
>	Sjogren-Larsson syndrome.
3	> Familial internal limitina membrane dystrophy.

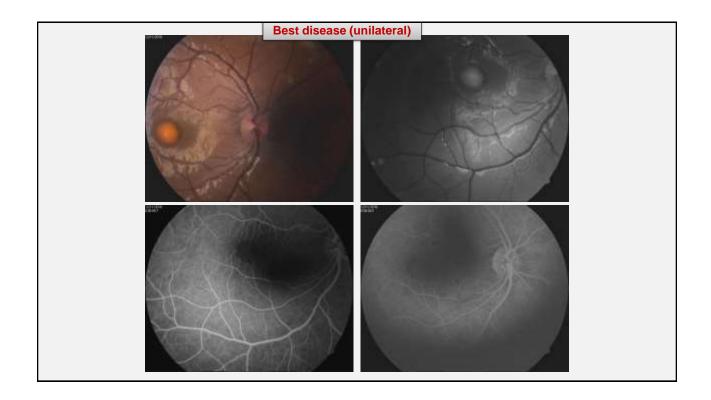


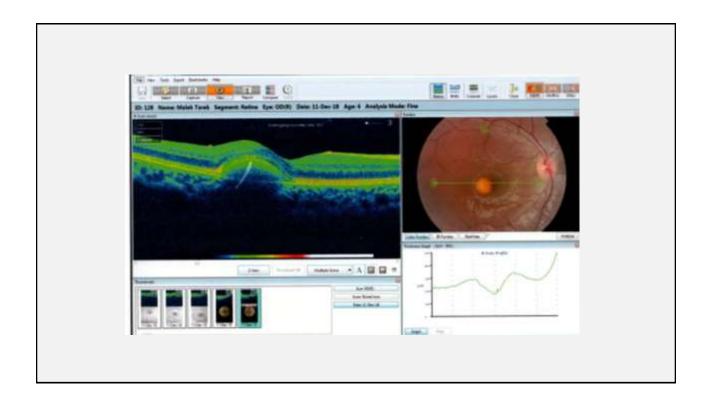


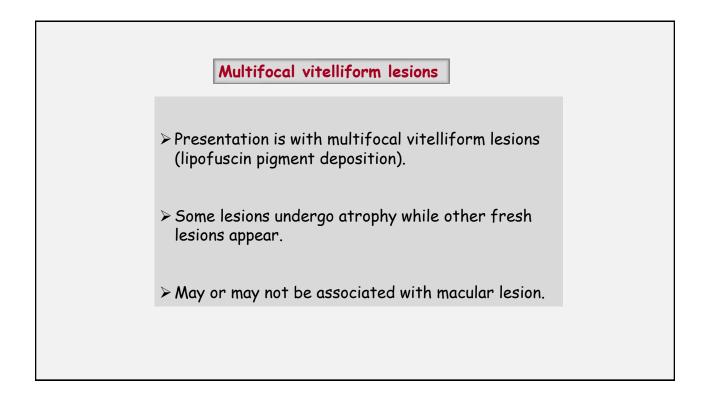


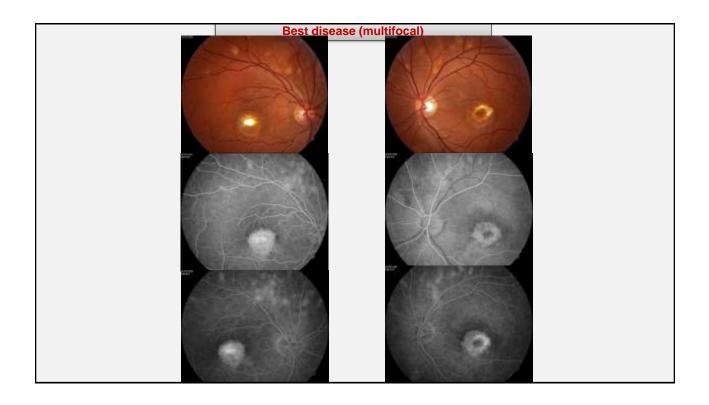




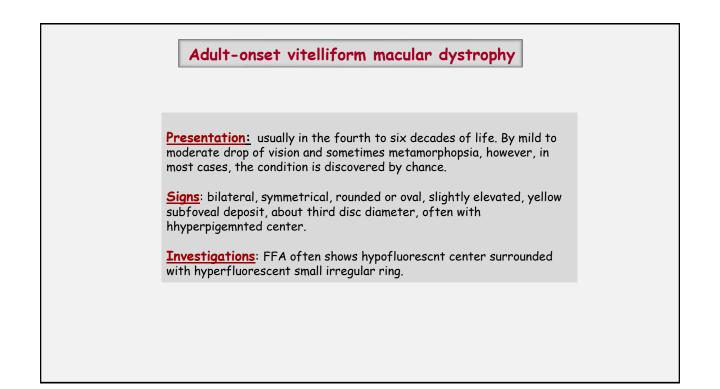


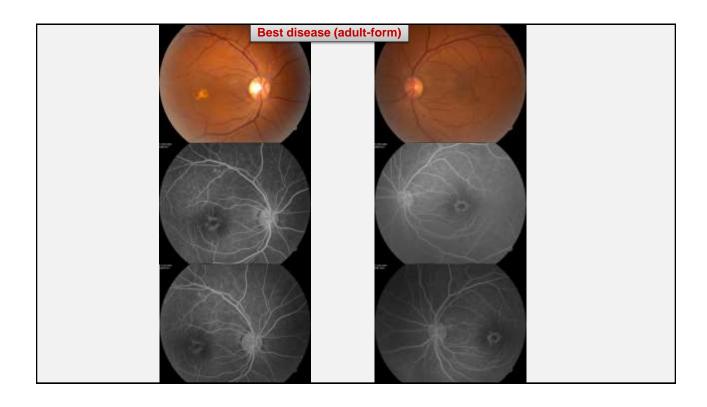


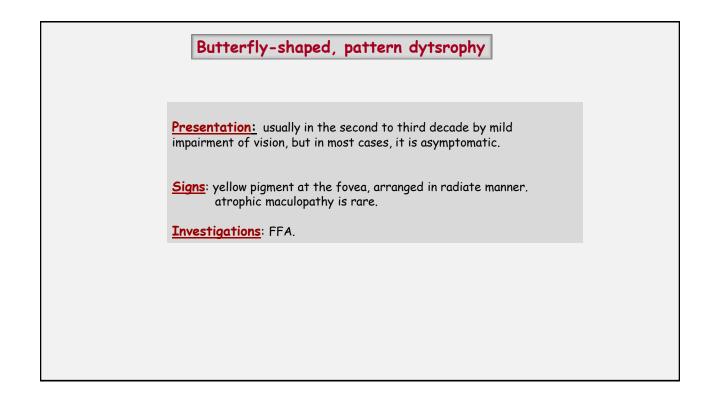


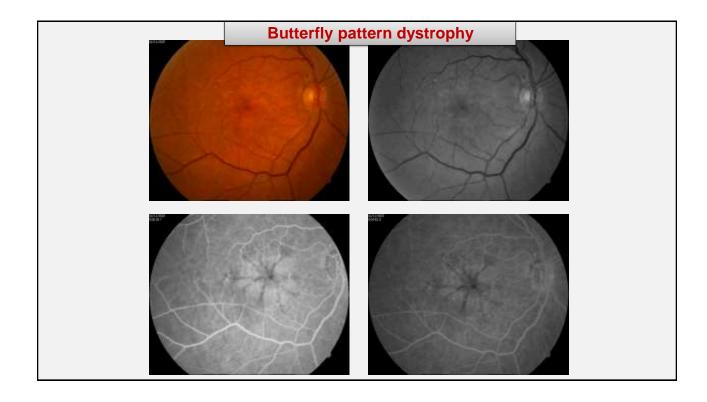


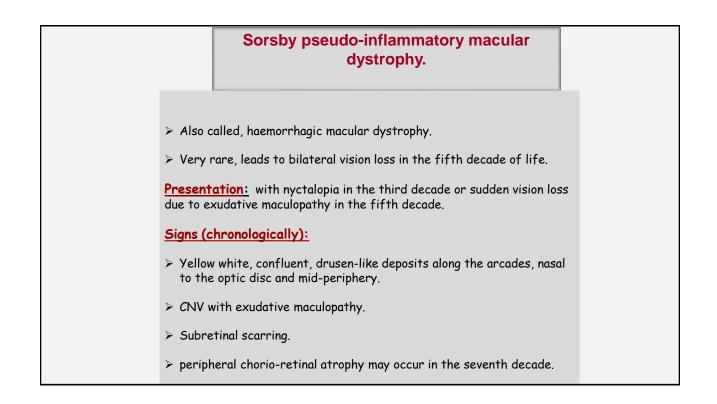
Pattern dystrophy	
It includes a variety of retinal dystrophies characterized by yellow, orange or grey macular lesion of different morphologies, with lipofuscin pigment deposition at the level of RPE.	
The common characters are:	
> Bilateral, symmetrical affection.	
> Relatively benign course.	
> Normal ERG & occasional abnormal EOG.	
It includes:	
> Adult-onset, vitelliform macular dystrophy.	
> Butterfly-shaped, macular dystrophy.	
\succ Multifocal pattern dystrophy simulating fundus flavimaculatus .	
N. Marana Mada and Anala	

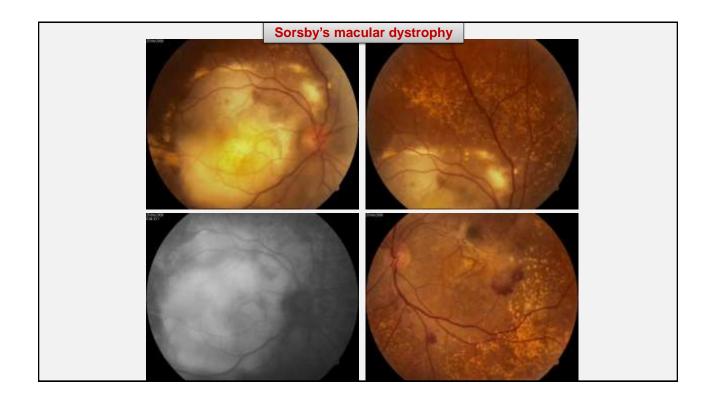


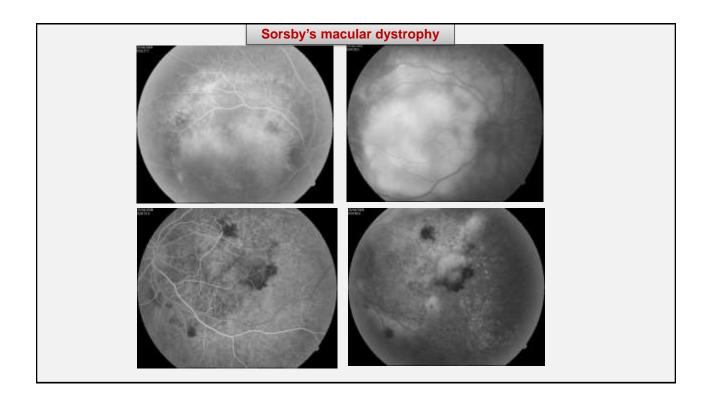


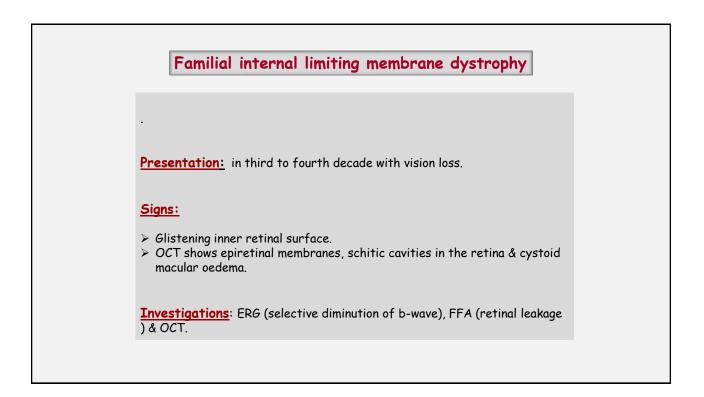




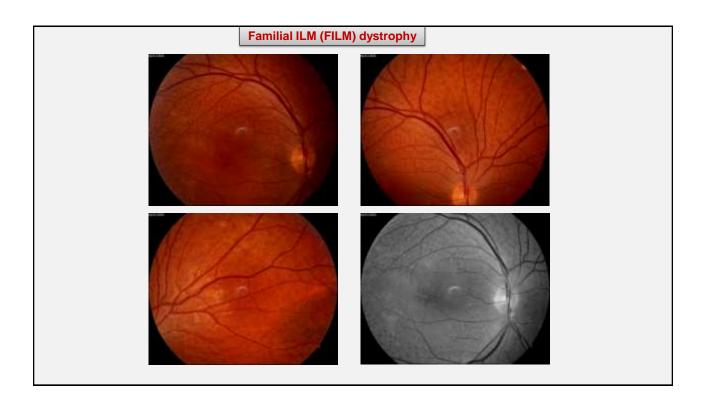


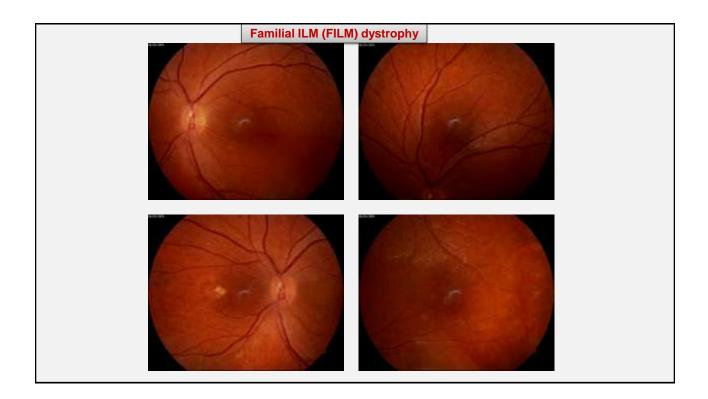


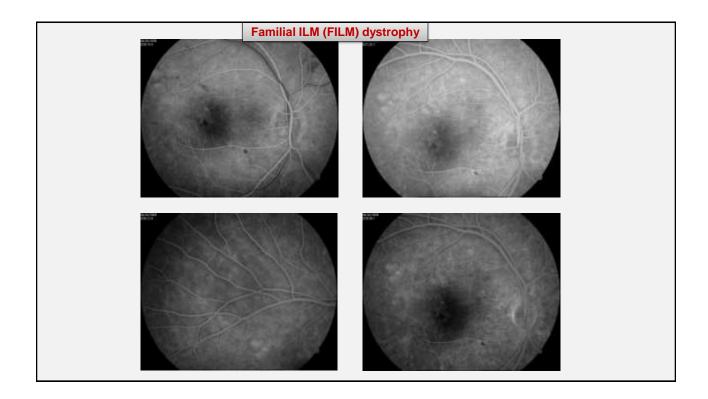


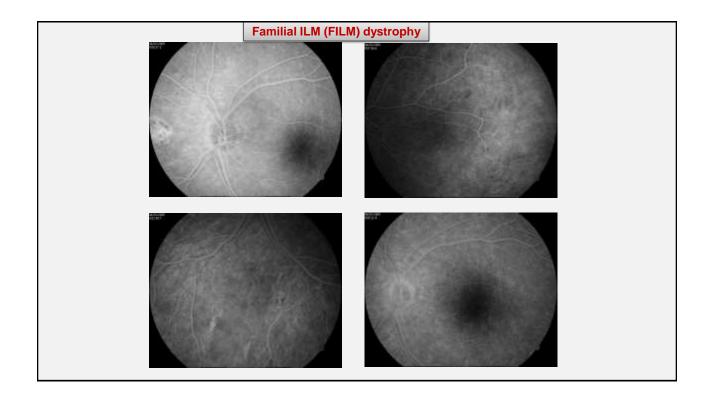


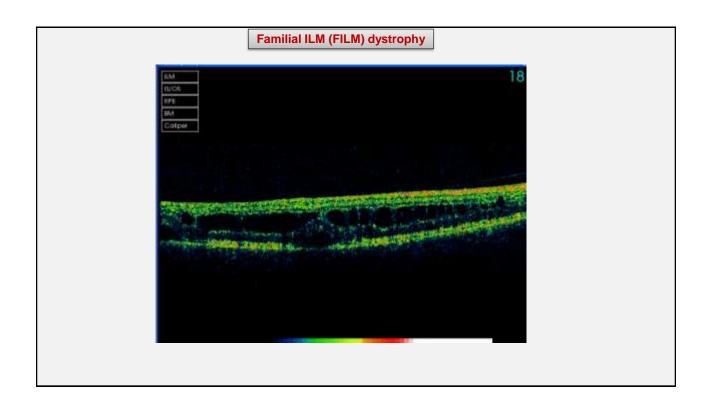


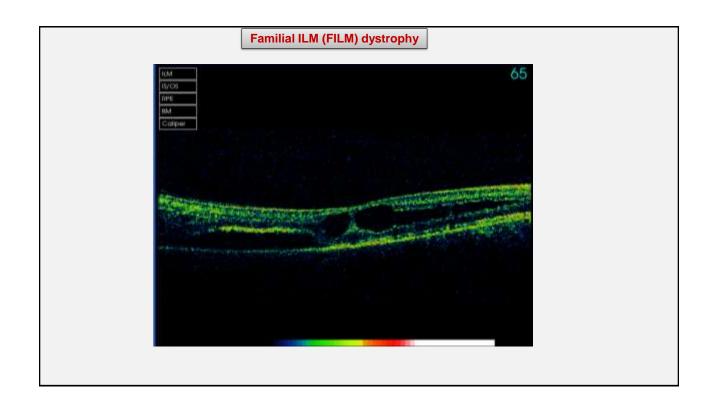




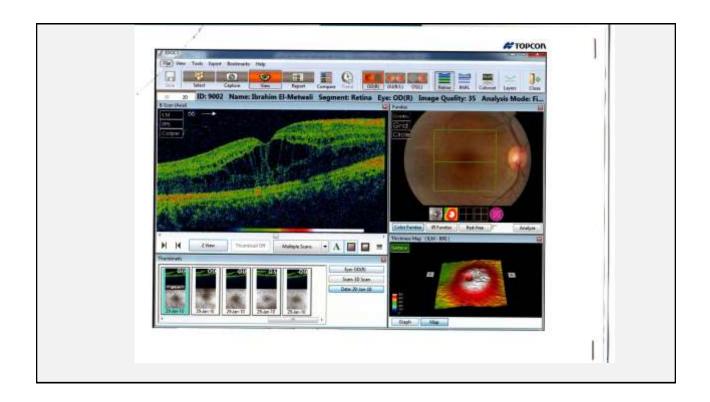




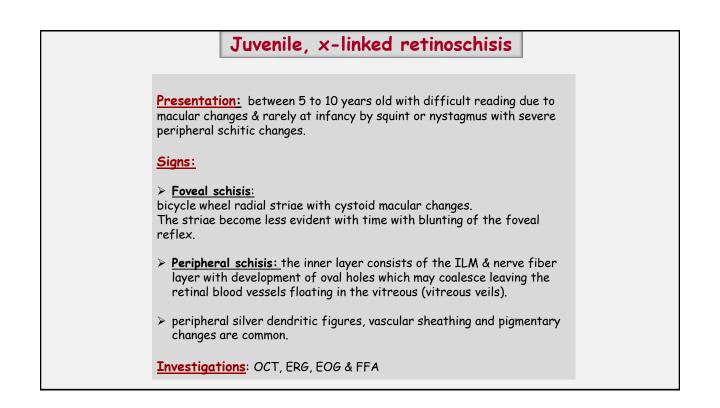


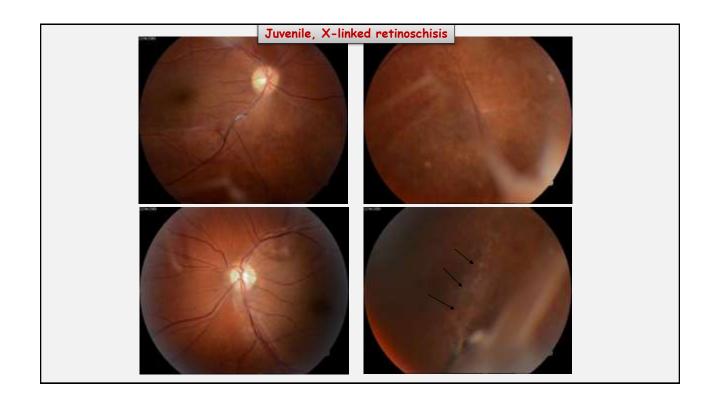


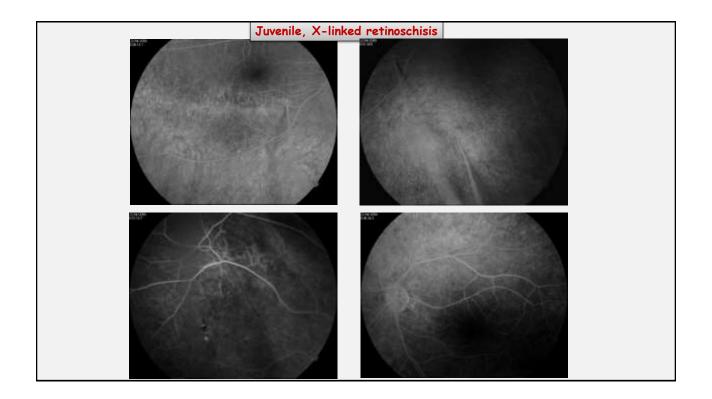




Vitreo-retinal dystrophies
They include the following:
> Juvenile, x-linked retinoschisis.
> Stickler syndrome.
> Wagner syndrome.
> Familial exudative vitreo-retinopathy.
Enhanced s-cone syndrome & Goldmann-Favre syndrome.
Snowflake vitreoretinal degeneration.
> Dominant inflammatory neovascular vitreoretinopathy.
Dominant vitreoretinochoroidopathy.
> Kneist dysplasia.







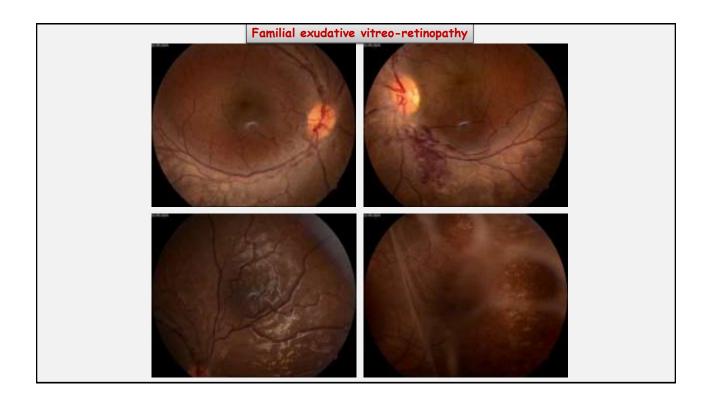
Familial exudative vitreo-retinopathy

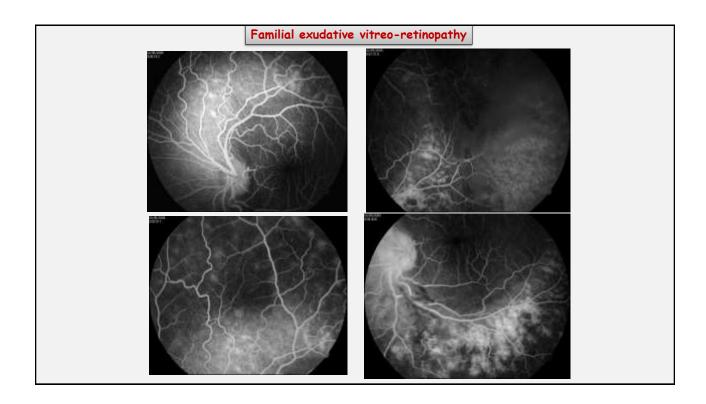
<u>Presentation</u>: in late childhood, due to failure of vascularization of the temporal retinal periphery.

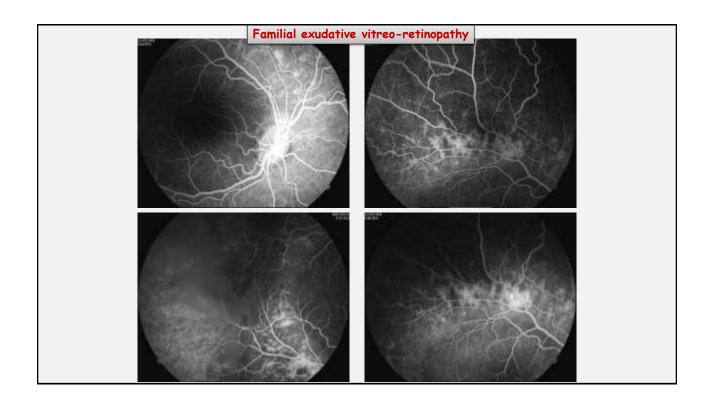
Signs:

- Vitreous degeneration, peripheral vitreoretinal attachment & areas of white without pressure.
- > Abrupt cessation of retinal blood vessels at temporal equator.
- > Peripheral vascular tortuousity, telangiectasia and neovascularization.
- > Fibrovascular proliferation & vitreo-retinal traction.
- > Vascular straightening and temporal dragging on disc and macula.
- > Yellowish retinal deposits and vascular leakage.

Investigations: FFA







Wagner syndrome	
• Presentation: early life with pseudostrabismus due to congenital temporal displacement of the fovea & nyctalopia.	
• <u>Signs:</u>	
> Low myopia.	
 Vitreous degeneration with completely absent normal scaffolding. 	
> Avascular greyish white pre-retinal membranes extending from the posterior pole to retinal periphery.	
> Progressive chorioretinal atrophy.	
• <u>Investigations</u> : FFA & ERG	

