

Rare combined findings of large Kayser-Fleischer (KF) ring & Sunflower Cataract in patient having Wilson's disease diagnosed and managed successfully at Parul Sevashram Hospital

Ophthalmologist : Dr. Palak Suthar

A female patient aged 17 years presented to the Department of Ophthalmology at Parul Sevashram Hospital with acute hepatic failure with hepatic encephalopathy, a suspected case of Wilson's disease.

On evaluation, Ophthalmic Examination was carried out with +20 Dioptre Panretinal magnifying lens which revealed 360° large bilateral brownish KF rings, copper deposition in Descemet's membrane of Cornea, involving more than 3 mm of peripheral cornea.

KF Ring is included in Wilson's disease (WD) diagnostic algorithms & data shows almost 100% cases of neurological WD develop KF Ring.

On Slit lamp examination, thin, large central opacities with secondary ray-like opacities, just beneath anterior lens capsule revealed bilateral Sunflower Cataract, which is a rare occurrence & is seen only in 1.2% of cases of Wilson's disease.

Patient was managed efficiently & discharged on appropriate medications.

