

JALILI SYNDROME

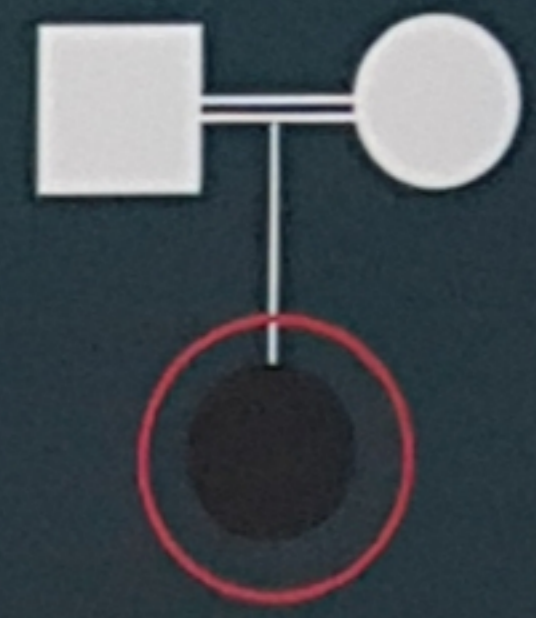


A Novel Mutation in CNNM4

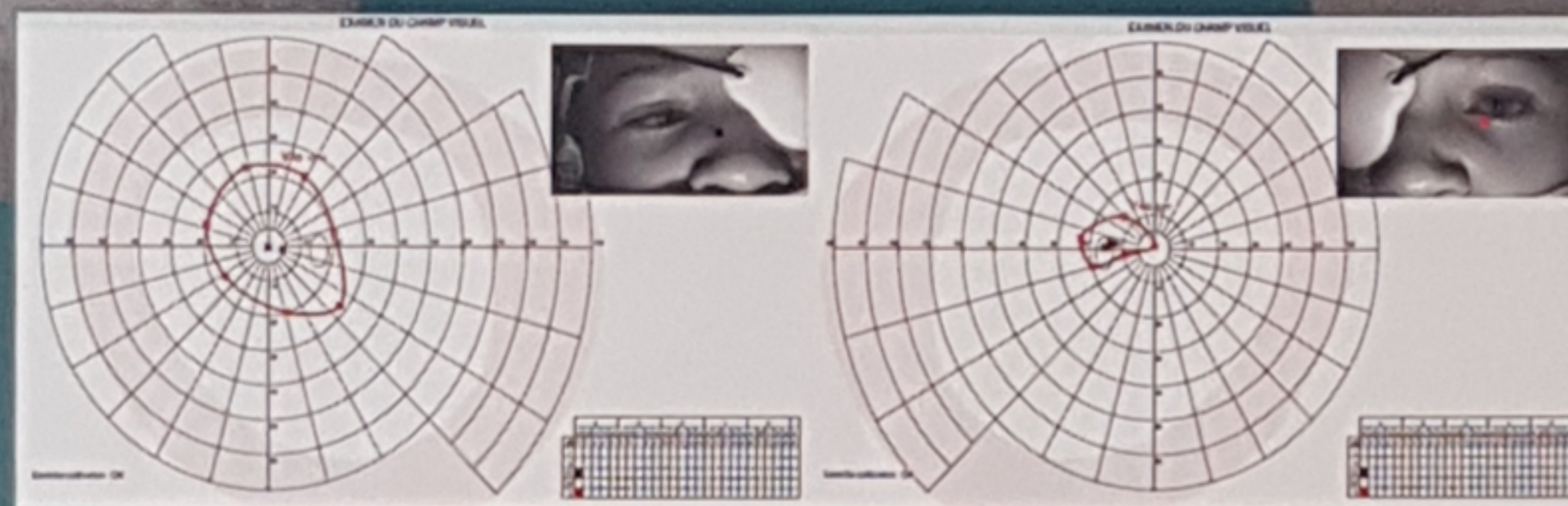
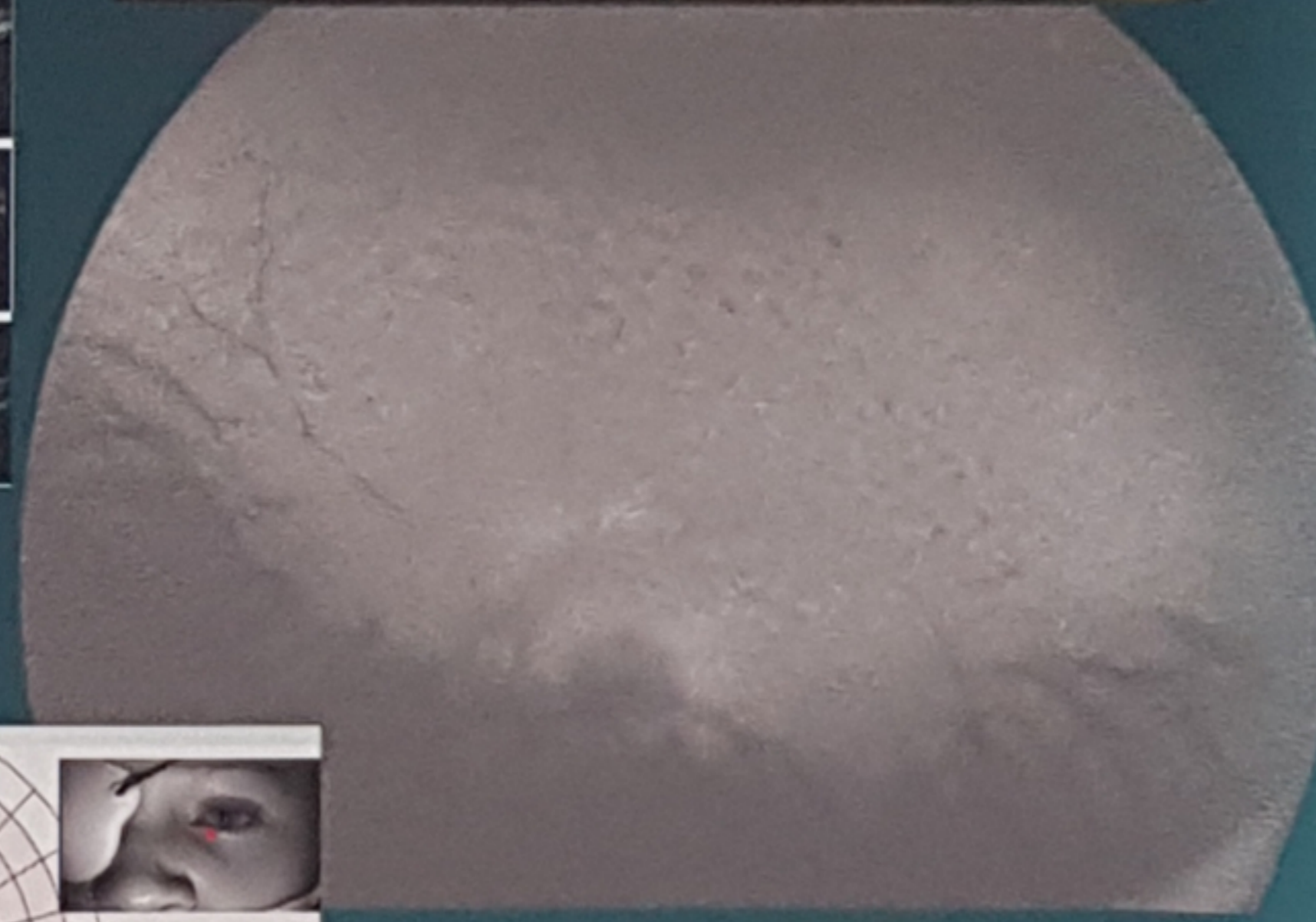
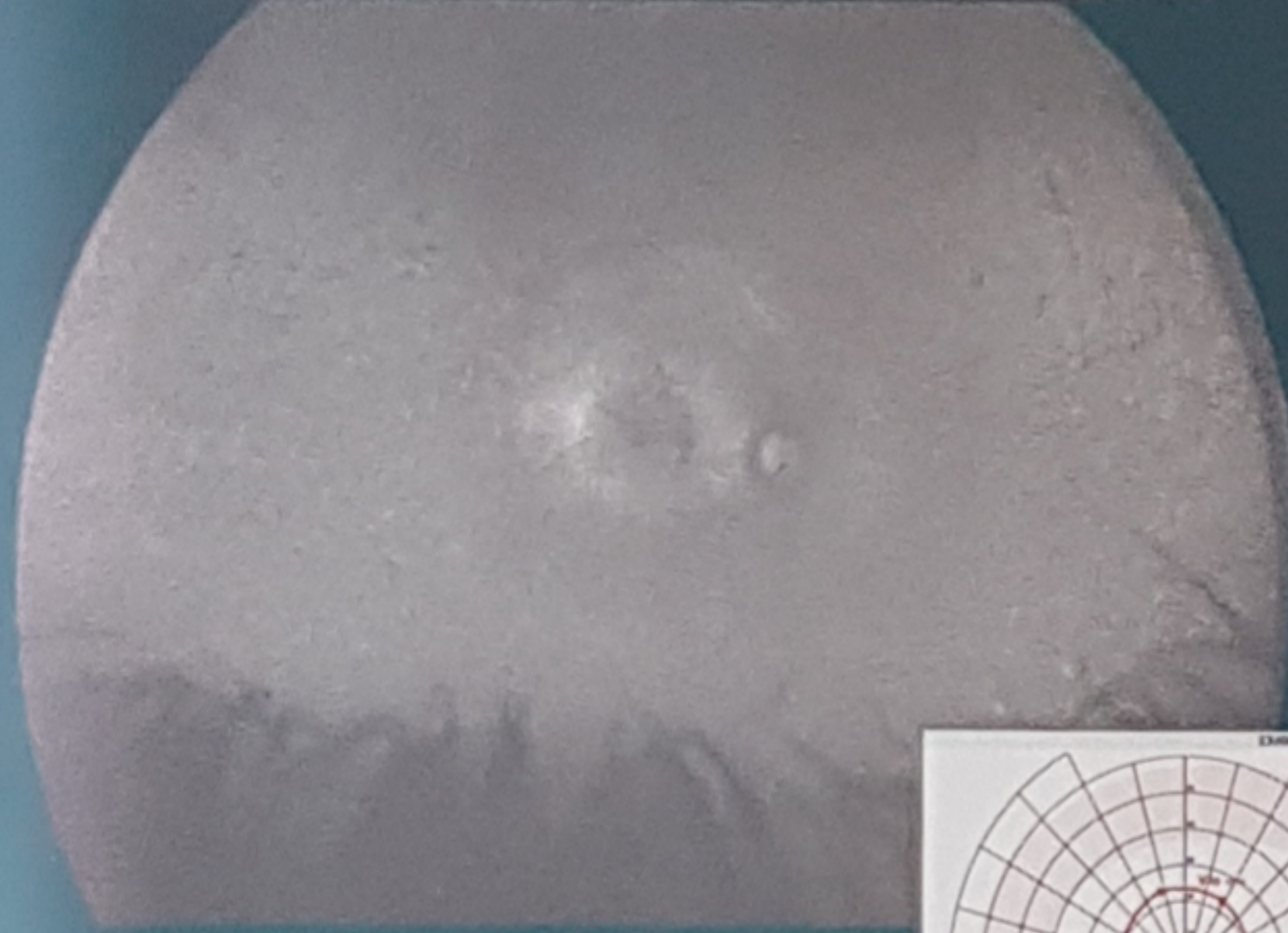
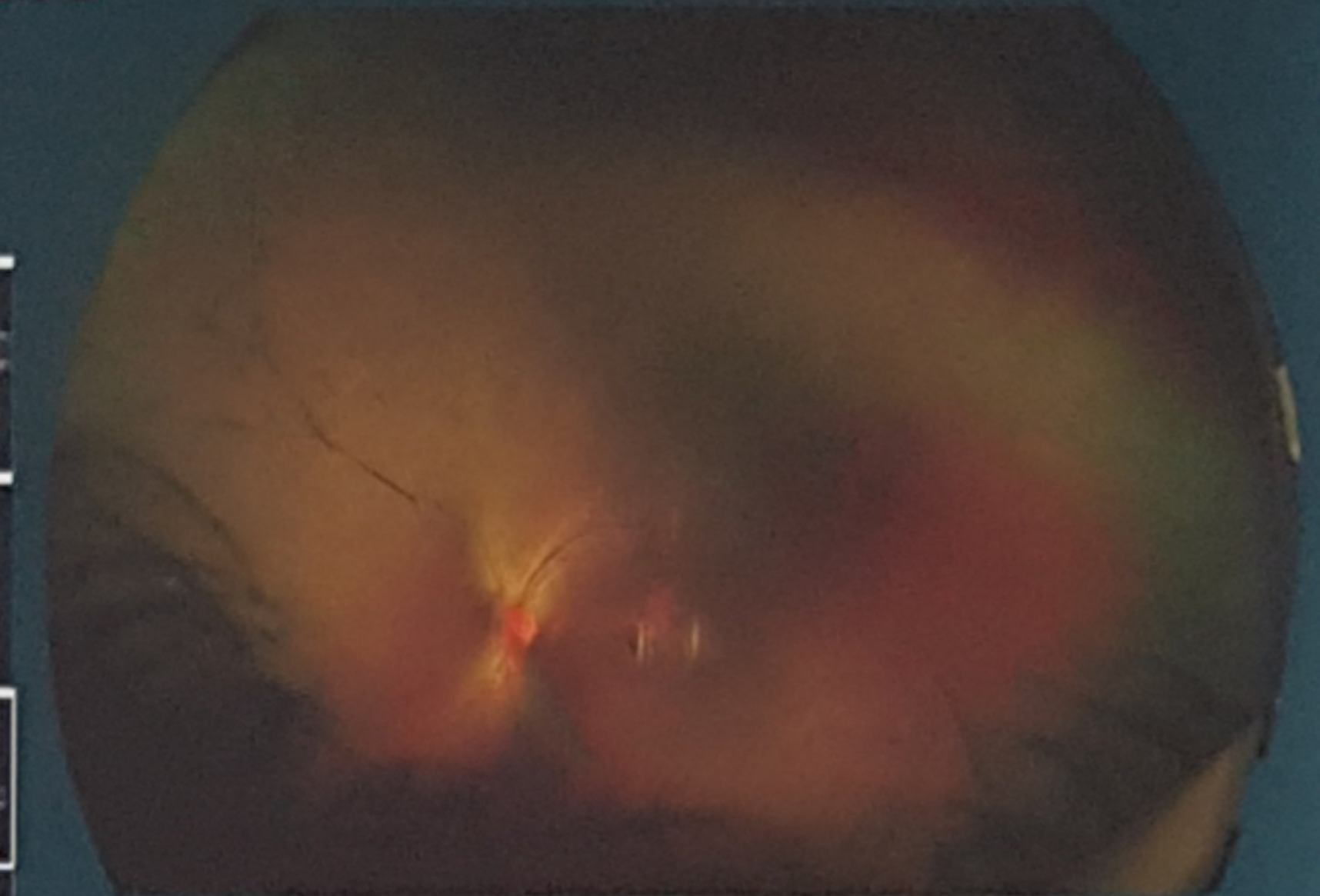
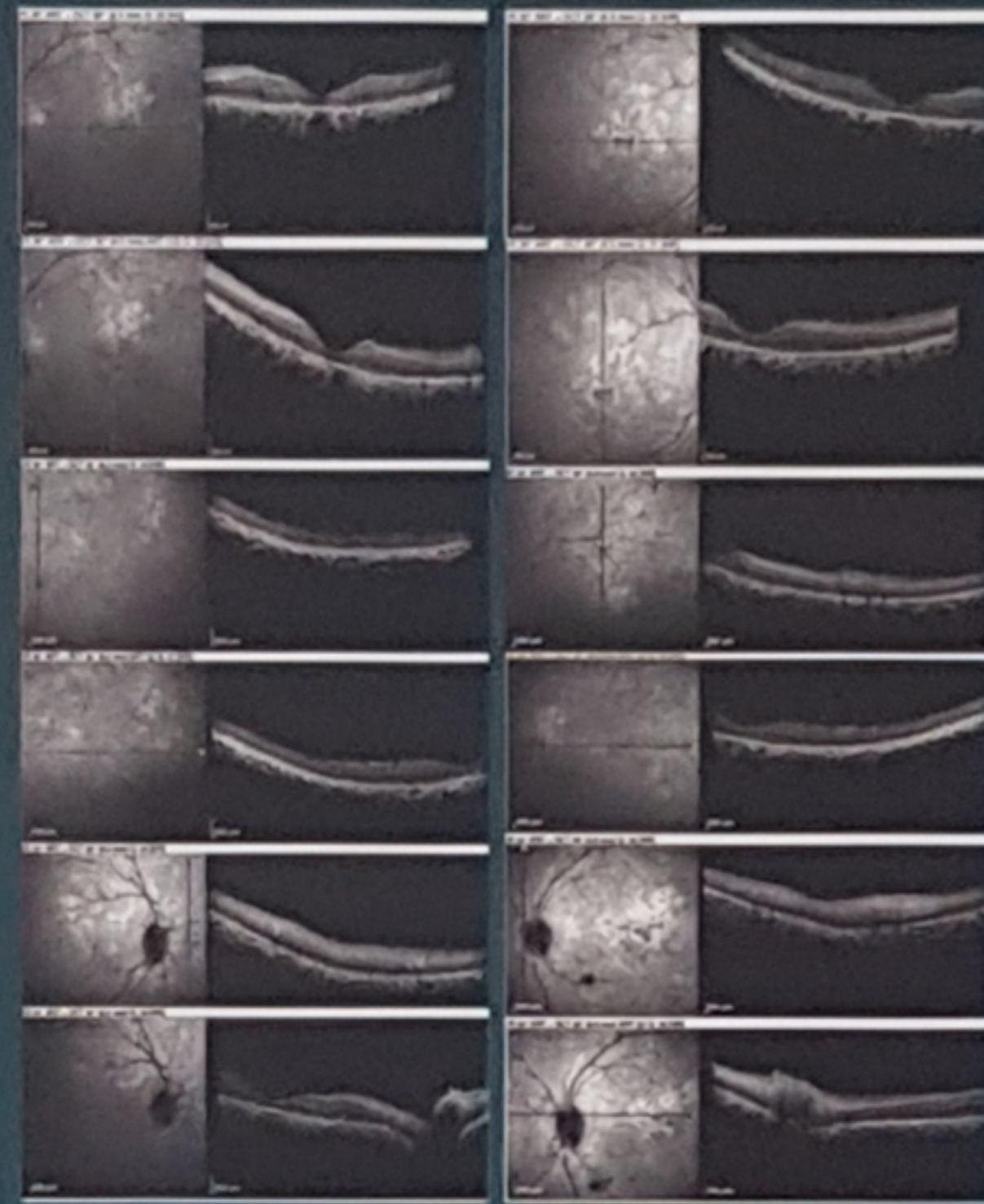
c.1936_1934dup,p.(Ser649Argfs*88)

Recessive Cone-Rod Dystrophy with Amelogenesis Imperfecta

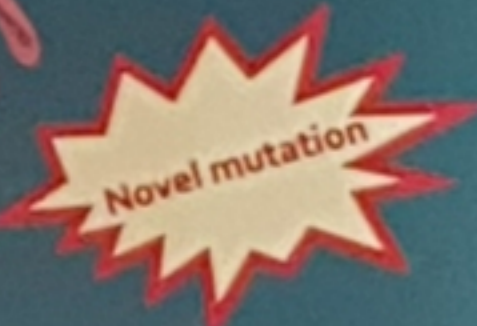
Indeed, the Jalili syndrome is a rare multisystem disorder with the most prominent features consisting of cone-rod dystrophy and amelogenesis imperfecta.



Consanguinity between the parents with a consanguinity coefficient close to 1/32 which means that the parents are little cousins.



NGS study of a 230 genes Inherited Retinal Dystrophy genes



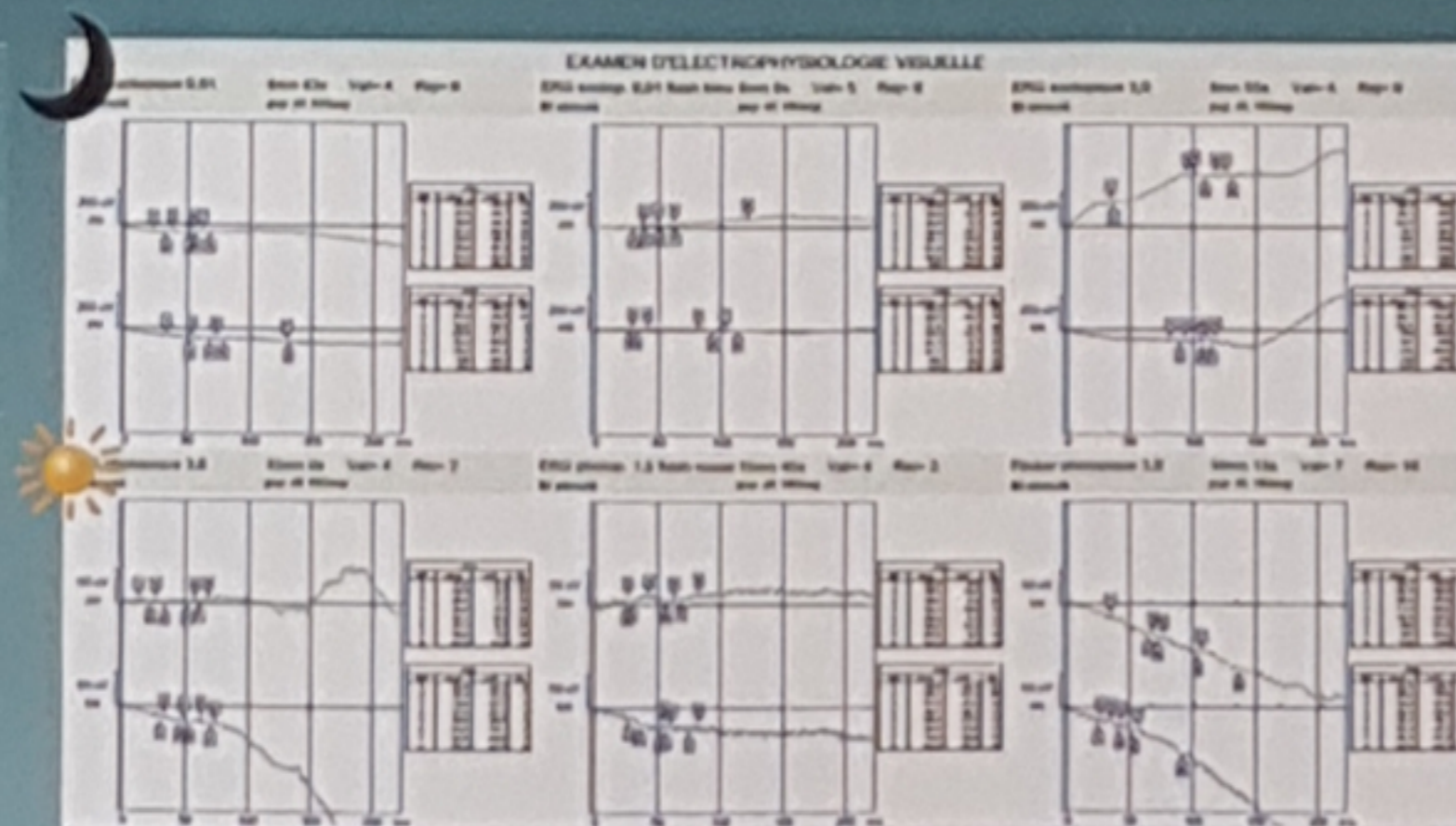
This young 11 years old girl from Chad is suffering from an early and serious recessive cone-rod dystrophy associated with amelogenesis imperfecta.

→ Presence of the variation **c.1936_1934dup,p.(Ser649Argfs*88)** in homozygous state located in **exon 5 of CNNM4 gene**

→ The duplication of 8 nucléotides is responsible for a frameshift inducing a truncated protein or the absence of protein synthesis by NMD (nonsense mediated decay) mechanism.

→ This variant is classified as pathogenic according to the ACMG 2015 criteria.

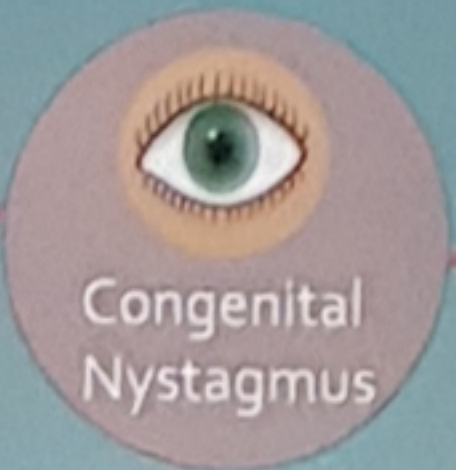
RE	VA logMAR	LE
Near blindness (0.016)		Near Blindness (0.016)
+2.00 (-1.25) 49°	AR	+1.50 (-1.25) 135°



Dental Lesion



Walking delay around 2 years old



Congenital Nystagmus



Night Blindness



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