

NCC 'FUTURE GENERATION 2024' CASE REPORT  
 SCIENTIFIC SESSION IN COOPERATION WITH THE BCLA

**NCC 'Future generation 2024'**  
**Organization Section: NCC/ BCLA**  
**CASE REPORT**

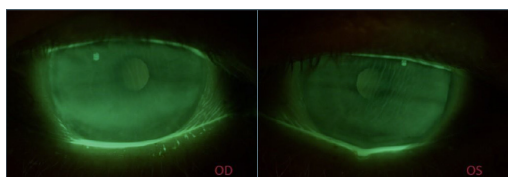
Monday, March 11, 2024  
 Netherlands, Veldhoven,  
 NH De Koningshof, Baroniezaal

**Scleral lens fitting in a patient with irregular cornea and DFNA9**

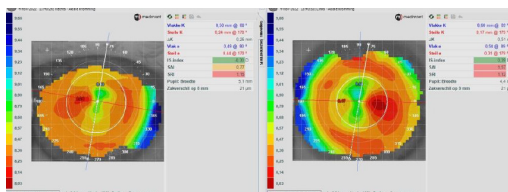
Merel Oerlemans

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A 71 year old blank man visited Visser Contactlenzen, a specialty contact lens practice in the Netherlands, after referral of the ophthalmologist. He complained of vision loss in both eyes, which couldn't be solved with spectacles at the local optician. His medical history included DFNA9, a genetic abnormality characterized by deafness and balance disorders. Best corrected vision acuity (BCVA) with refraction was 20/30 ODS. Slit lamp examination showed dry eye symptoms (break up time of 3 seconds), a clear cornea however with fluorescein several vertical lines were visible.

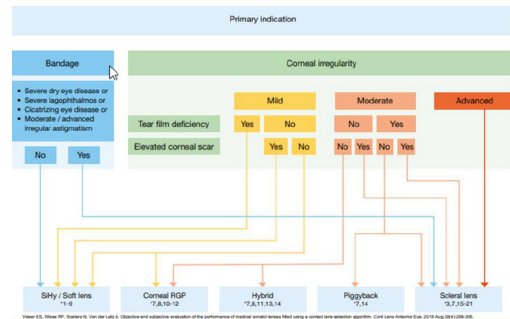


Corneal topography showed irregular corneas ODS.



The patient has dry eyes and irregular corneas. In accordance with the medical

contact lens fitting algorithm a scleral lens fitting was performed.



With diagnostic scleral lenses BCVA improved to 20/20 ODS. Bi-tangential mini scleral lenses (Time XL, Menicon) were ordered, and appointments for delivery and instruction were scheduled. After an extra check because of handling problems inserting the scleral lenses, the patient was able to wear the lenses successfully for 16 hours a day without breaks, he is very satisfied with the vision.

