

Centre Hospitalier National d'Ophtalmologie (CHNO) des Quinze-Vingts

Paris



Dr Jean-François Girmens

The Medical Centre

Dr. Jean-François Girmens, ophthalmologist and retina expert at the Centre Hospitalier National d'Ophtalmologie (CHNO) des Quinze-Vingts in Paris, uses OdySight to closely monitor his patients.

Using OdySight

At the hospital, Dr. Girmens fills all the roles when prescribing OdySight:

- He chooses which patients would benefit most from using the app during consultations.
- During consultation, he gives them the OdySight box.
- At the end of the consultation the patient is added to the dashboard, so that they can provide any additional information needed.
- He regularly checks the dashboard and any alerts that may have been triggered.

Patient Case

On February 24th, 2020, Mr. X. 64 years old (history of ocular hypertonia without visual field alteration) consulted his ophthalmologist, 48 hours after the beginning of the symptoms. His doctor diagnosed him with a "central retinal vein occlusion beginning in the right eye, without edema". Because his visual acuity has been mostly preserved, simple surveillance is recommended.

October 2018

When Dr. Girmens started using OdySight at the hospital.*

72%

Percentage of patients who have downloaded the app after being prescribed it.

41

Total number of OdySight alerts.*

69

Average age of OdySight patients.*

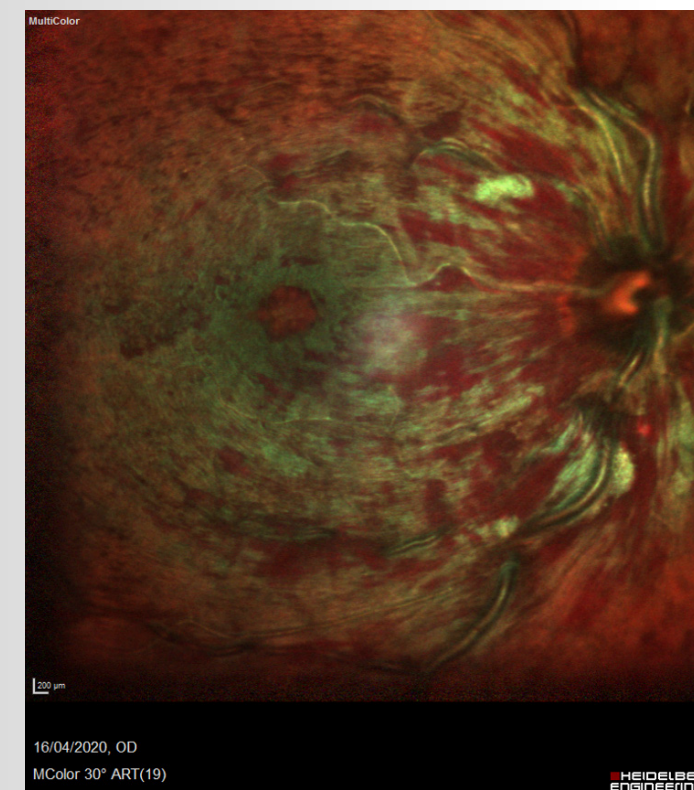
*Data from 01/07/2020

Macular edema / Covid-19

As macular edema can be detected quickly with regular ophthalmological controls, especially in the presence of predisposing factors. OdySight is an additional security for patients and their ophthalmologists, as during times of crisis, there is a major decrease in the number of consultations in specialized medicine, causing fears of serious consequences for patients' visual health.

03/16/2020

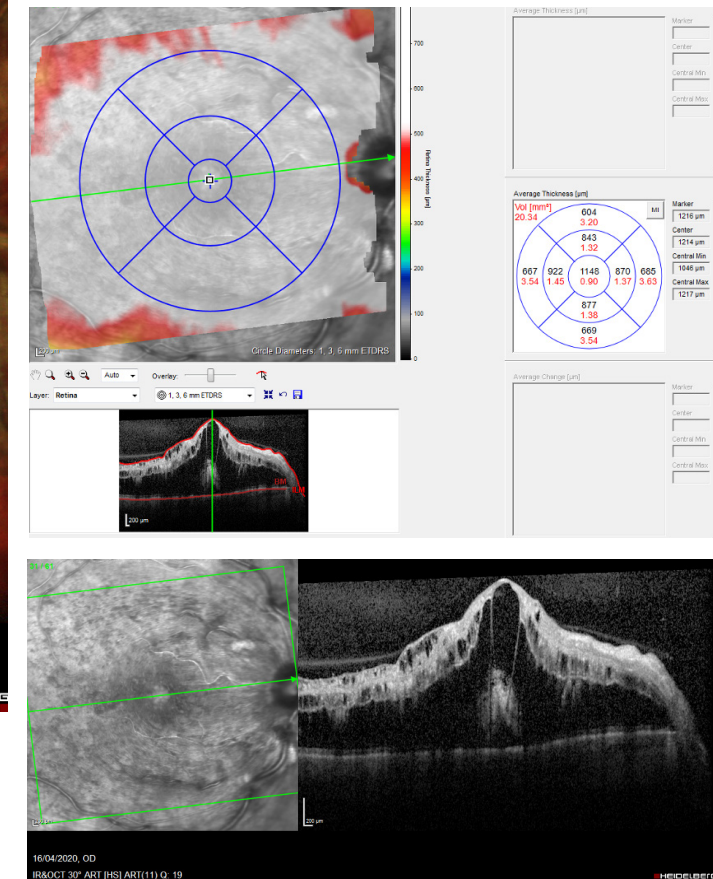
A teleconsultation with Dr. Girmens is scheduled for a second opinion. During this teleconsultation, Dr. Girmens confirms the attitude, and prescribes OdySight to monitor visual acuity remotely during confinement.



04/16/2020

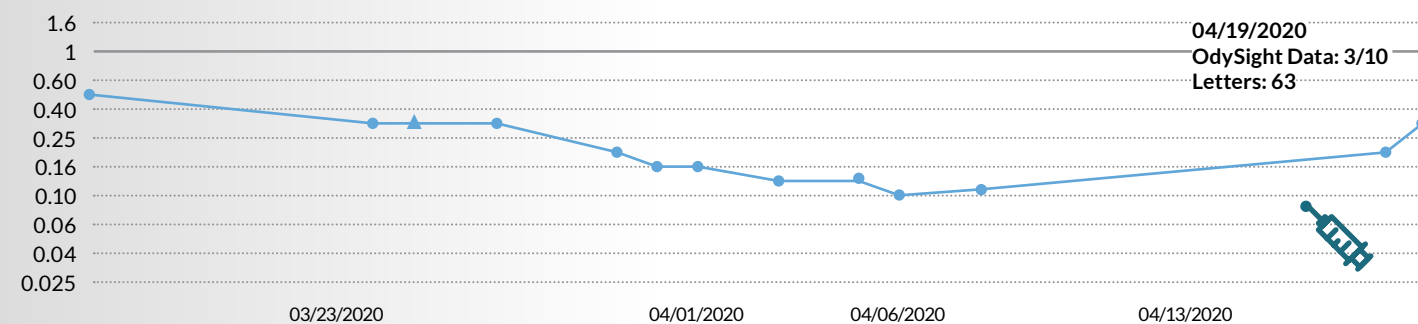
Because of the continued decrease in visual acuity observed with OdySight, the patient is called for a consultation appointment, followed by an injection if needed.

VA	0,8 /10 (Compared to OdySight: 1/10 several days before)
OT	OD 16 (OS: 19)
EF and OCT	CRVO OD with large macular edema

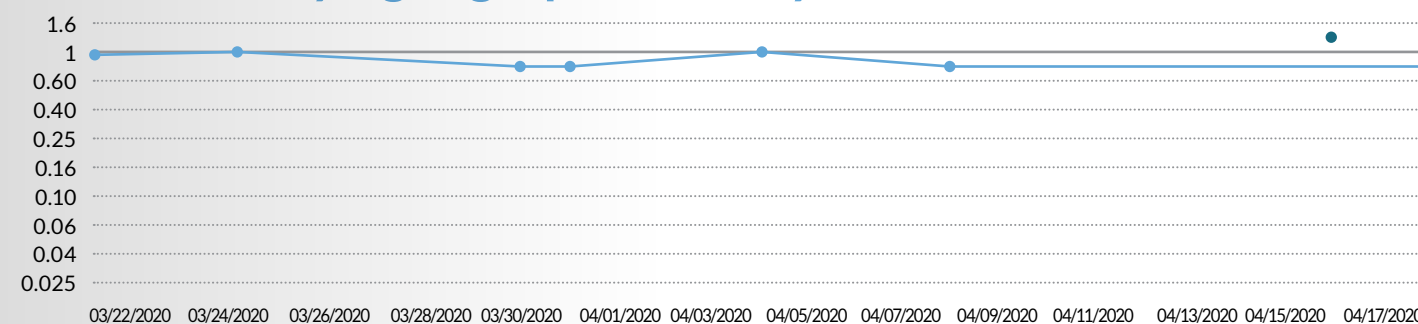


An intravenous injection is done that day on the right eye.

Patient's OdySight graph — right eye



Patient's OdySight graph — left eye

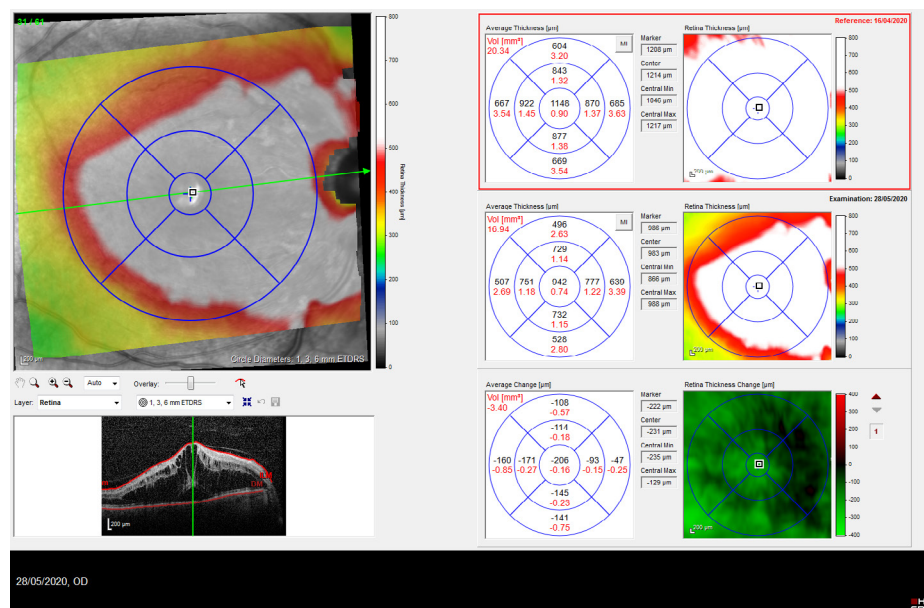


05/28/2020



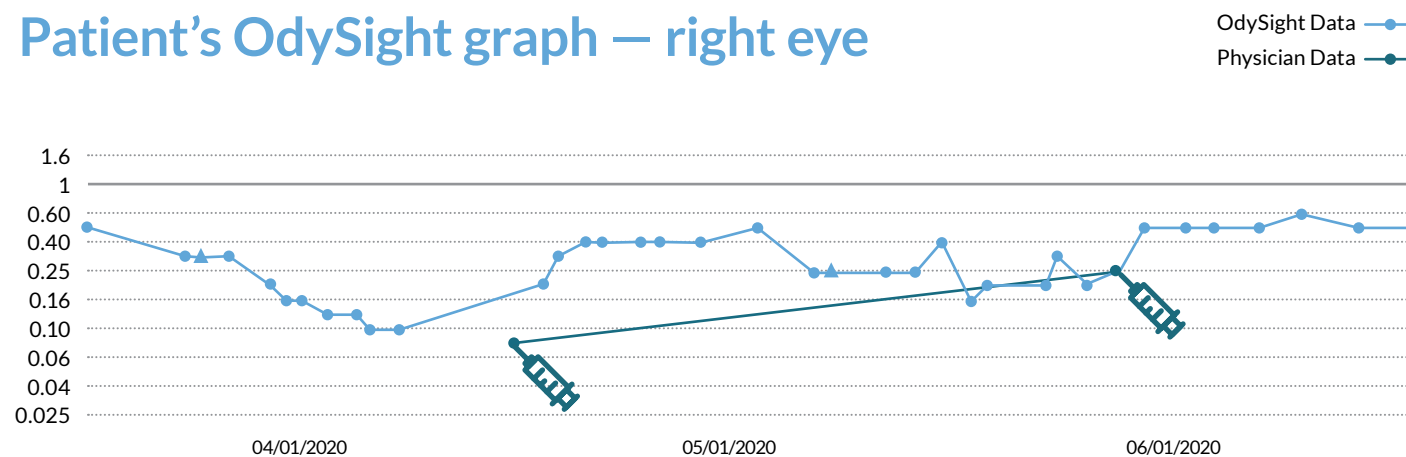
A new decrease of vision was detected by OdySight one month after the injection, most likely due to the edema; the patient had an appointment scheduled on May 28 that he did not wish to move up.

VA	2.5 /10 (Comparable to OdySight: 2/10 two days before)
OT	ODS 17
EF and OCT	CRVO OD with recurrence of edema (less than initially)



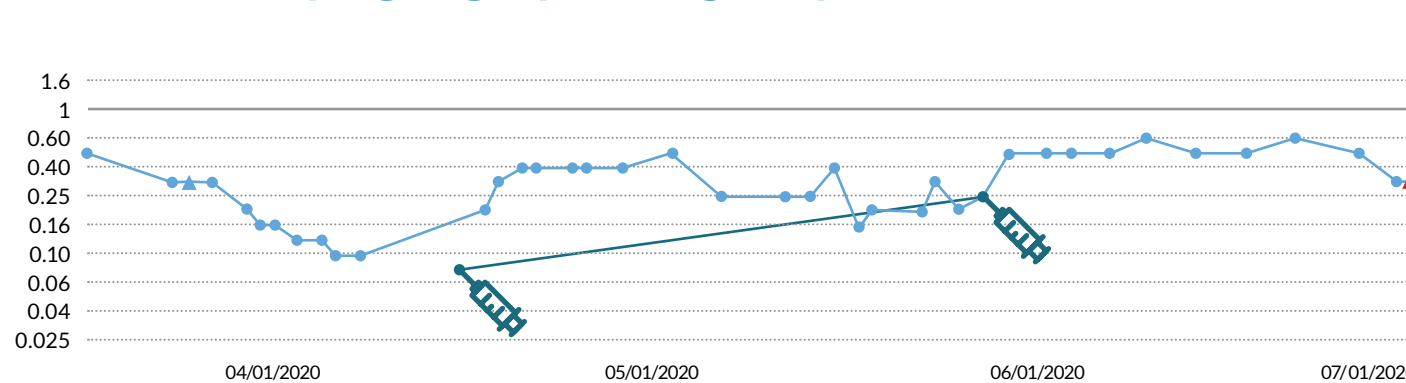
A second injection was done that day, with an appointment set for 5 days later. Remote monitoring with OdySight showed that following the injection visual acuity improved.

Patient's OdySight graph — right eye



07/02/2020

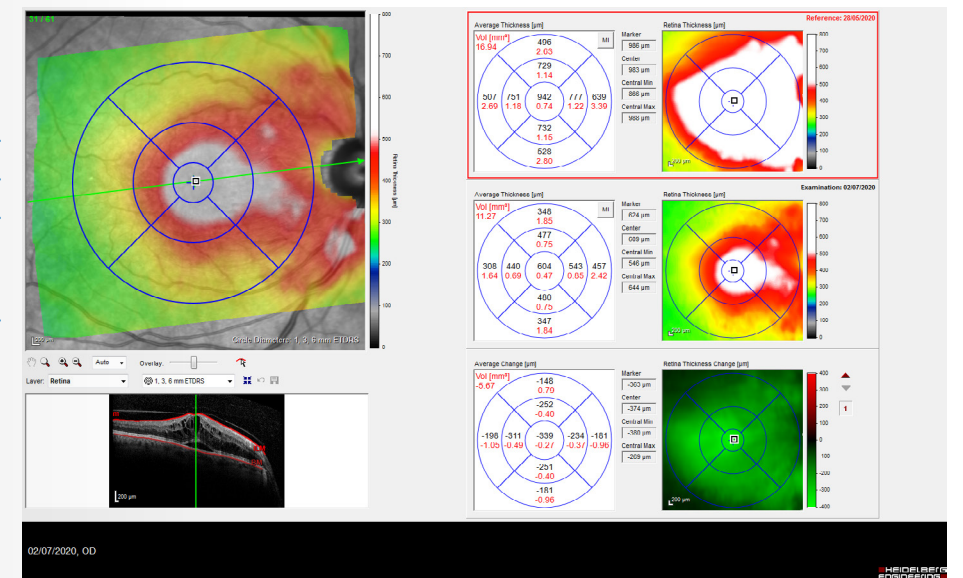
Patient's OdySight graph — right eye



07/02/2020

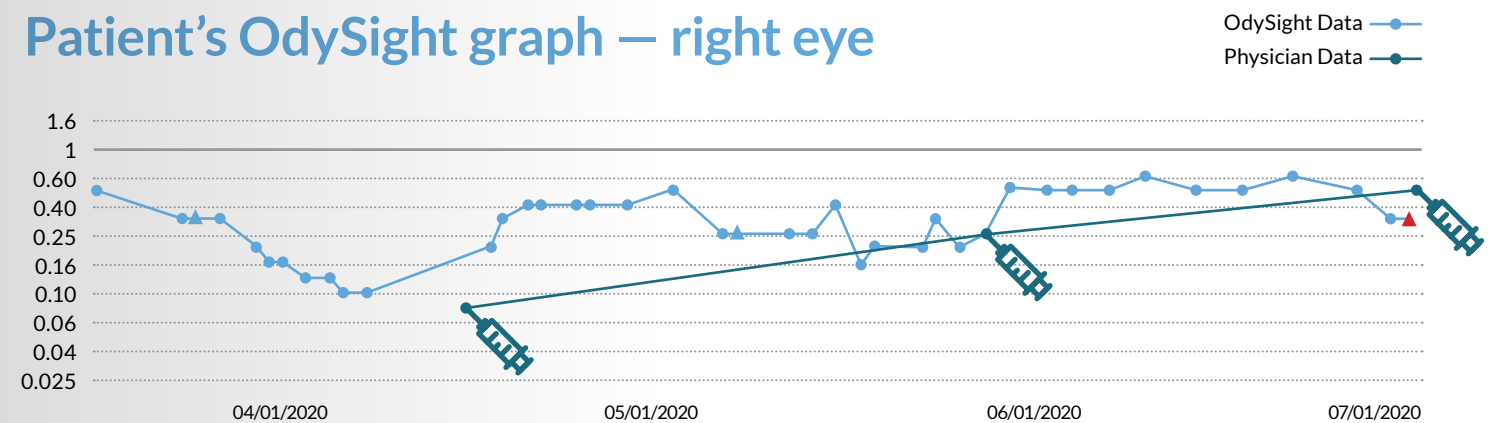
The day before the appointment, an alert was triggered on OdySight.

VA	5/10f
OT	OD 20 (OS 19)
EF and OCT	Decrease in venous caliber, recurrence of edema (at an even lower level than before).



A third anti-VEGF injection is given the same day, and further treatment will be guided by monitoring in OdySight.

Patient's OdySight graph — right eye



This case tends to confirm to me the interest of following the patients with macular edema with OdySight, in order to adapt the retreatment interval to the rhythm of the recurrences.



Dr Jean-François Girmens

As a user, I can see the relevance of OdySight. Coupled with a follow-up by the attending physician, it has a reassuring aspect. The tests, developed with the collaboration of professionals, replace advantageously and in a more rigorous way those that a patient suffering from this pathology can't help but perform every day, and that can trigger anxiety or even panic in case of altered vision.



Mr X