OPHTHALMOLOGY

Clinical report

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NPN, female, 49 years, HbSS, diagnosis of sickle cell disease at the age 1

Baseline hematological data:

Hb: 11.5 g/dL	WBC: 4690/mm³

Past history:

- Patient allergic to dipyrone, penicilin, sodium diclofenac and fluorescein
- One pregnancy in 1993, stillbirth
- Avascular necrosis of the right femoral neck; prosthesis 12 years ago
- Avascular necrosis of the left femoral neck and left umerus in 2013
- Several pain crisis demanding hospitalization and blood transfusion
- Started hydroxyurea in Feb/2012

June 2013

OPHTHALMOLOGY

- **Ophthalmological complaints**

  Decreased vision OS for 7 days. Had other similar painless episodes of suddenly decreased vision OS, with spontaneous improvement over several weeks.

- **Past ophthalmological history**

  Retinal detachment OD progressing to blindness several years ago
  Vitreous hemorrhage OS
  Laser panphotocoagulation OS (multiple sessions)

- **Visual acuity**
  - **OD:** NLP
  - **OS:** 20/50 PH

- **Intraocular pressure**
  - **OD:** hypotonia
  - **OS:** 15 mmHg

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- **Biomicroscopy**
  - **Eyelids:** Within normal limits (WNL) OU
  - **Conjunctiva:** Quiet, with pterygium OU
  - **Anterior chambers:** Clear
  - **Iris:** WNL OU
  - **Lenses:** Total cataract OD, with pupillary seclusion
    OS clear
  - **Anterior vitreous:** clots/pigmented cells 2+/4+ OS

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- **Fundus**
  - **OD:** invisible (opaque media)
  - **OS:** Vitreous opacities (hemorrhage)
    Confluent drusen(?)/iridescent spots near temporal superior arcade
    360°peripheral laser scars (more sparse in nasal retina)

06/2013

200 µm
16/07/1974
25/06/2013, OS
IR 55° [HR]
HEIDELBERG ENGINEERING

07/2013

09/2013

200 µm
200 µm

200 µm
200 µm

1:1 pixel | 1:1 µm | Layer: RNFL

Peripapillary RNFLT Classification

Within Normal Limits

16/07/1974

25/06/2013, OS

OPHTHALMOLOGY

- **Diagnosis**

  Proliferative sickle cell retinopathy (stage V OD) (stage IV OS).

- **Plan**

  Complementary laser photocoagulation OS (nasal retina)
  (patient allergic to fluorescein)

Discussion