

A 16 Month Treatment Journey

Kate Powell

Associate Clinical Lead

Bristol and Weston DESP

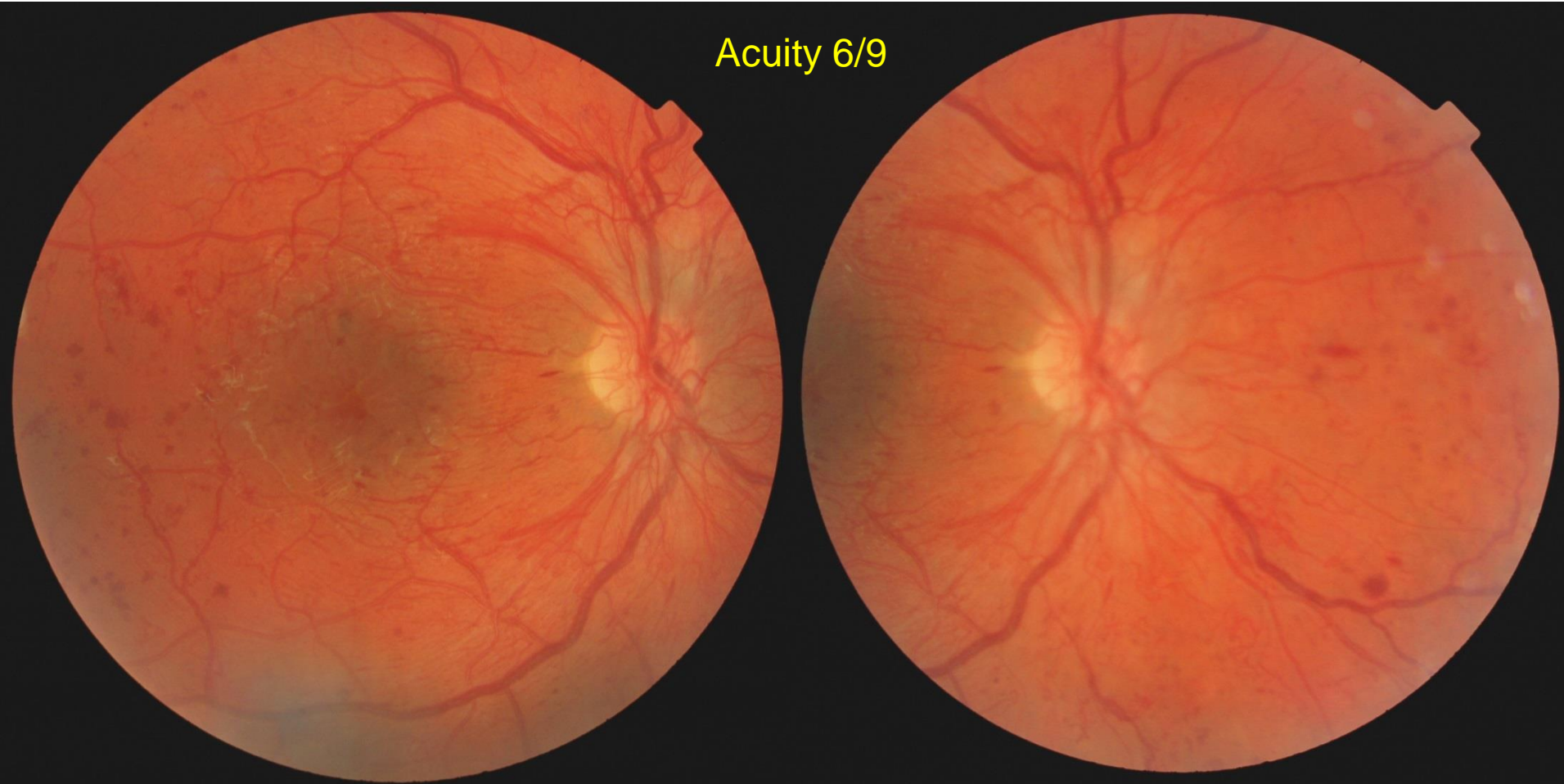
Shared Care Optometrist BEH

Patient Details

- 21yr old Female
- Type 1 Diabetes diagnosed aged 4 Years
- 2010 Referred to Bristol and Weston DESP
- Recurrent non engagement with screening
- 2010 Case raised to attention of Paediatric Diabetology
- 07/05/2014 First attended screening episode

Screening 7/5/14

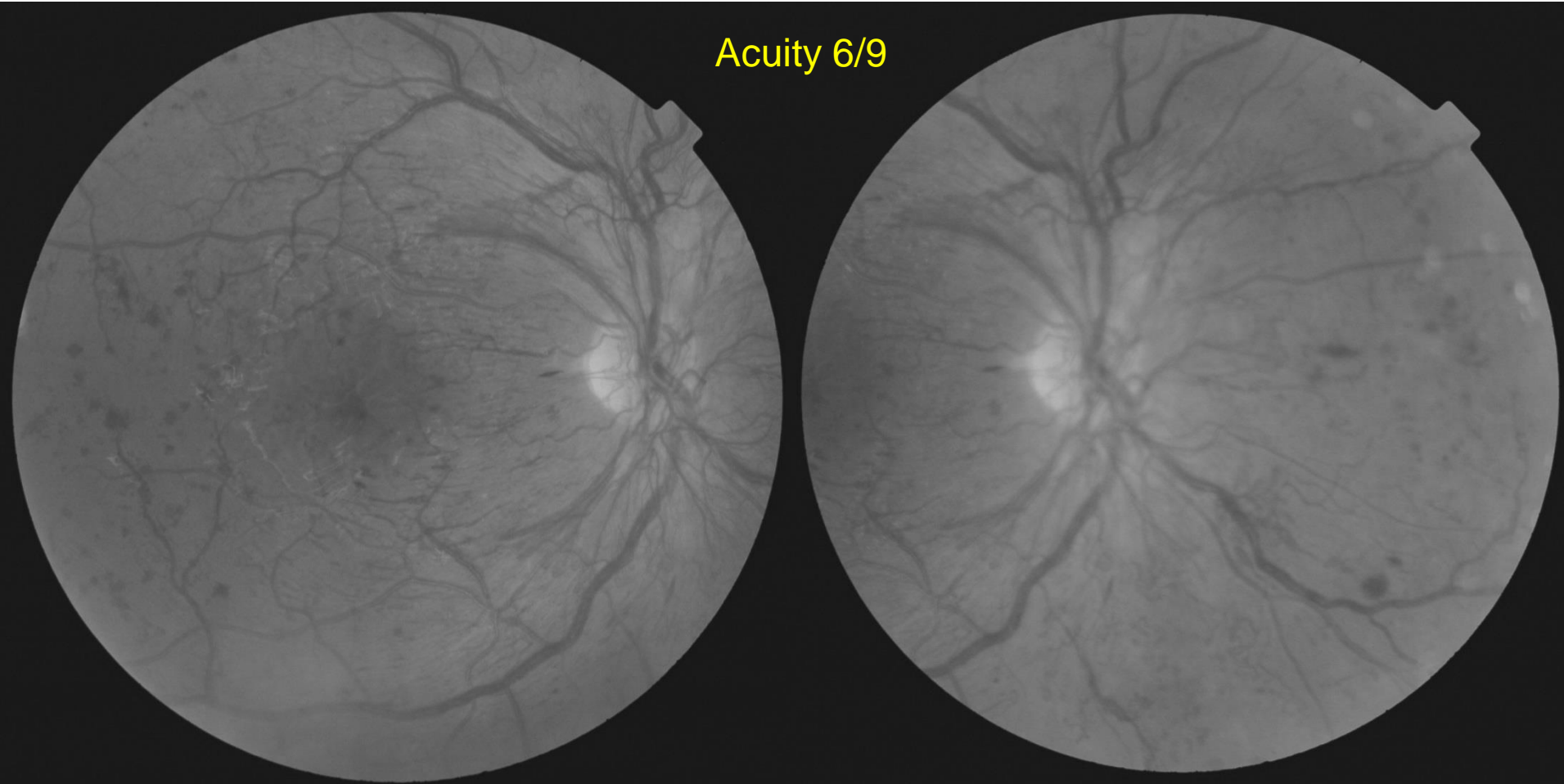
Acuity 6/9



Helping you to live life well

Screening 7/5/14

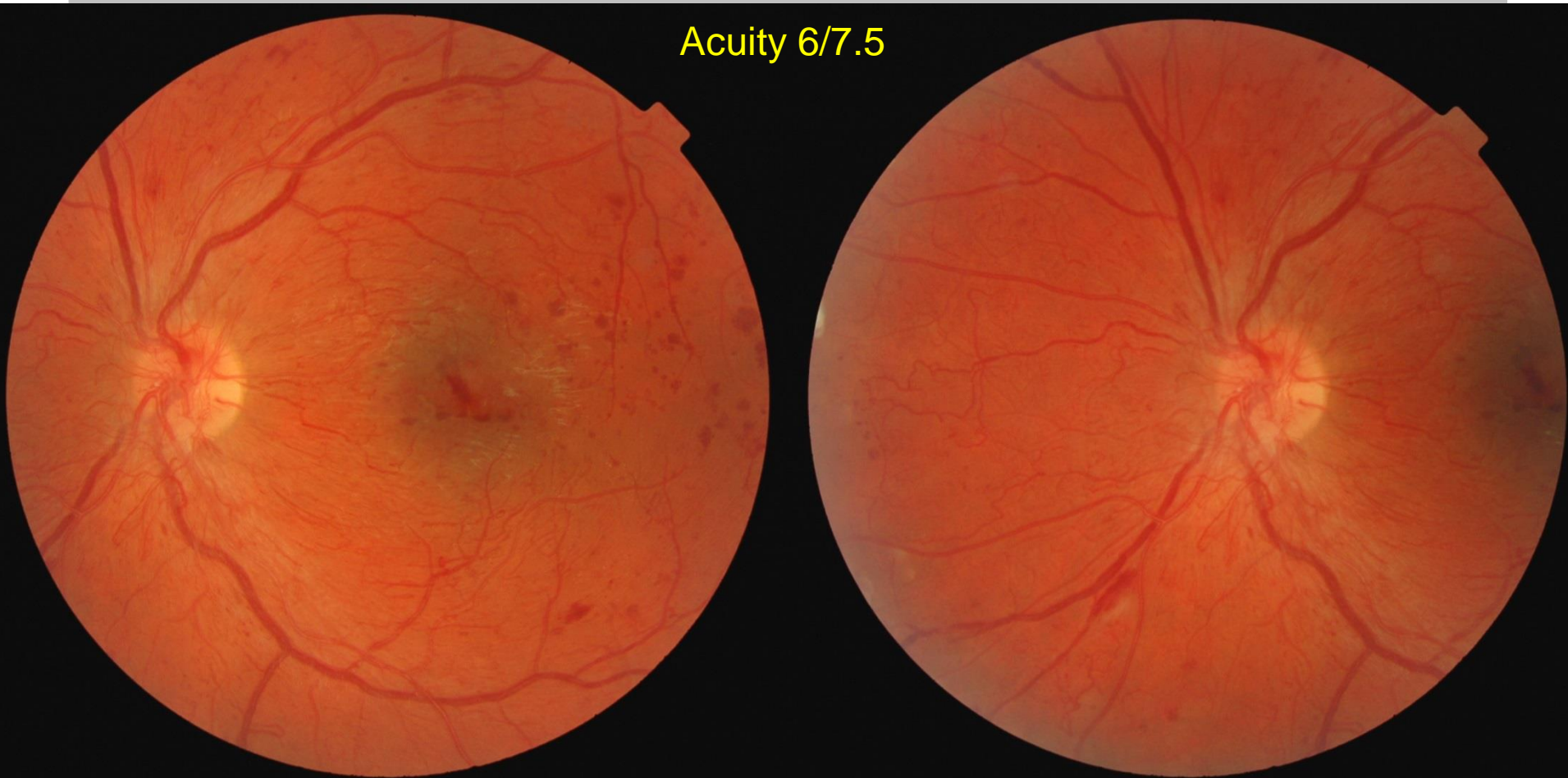
Acuity 6/9



Helping you to live life well

Screening 7/5/14

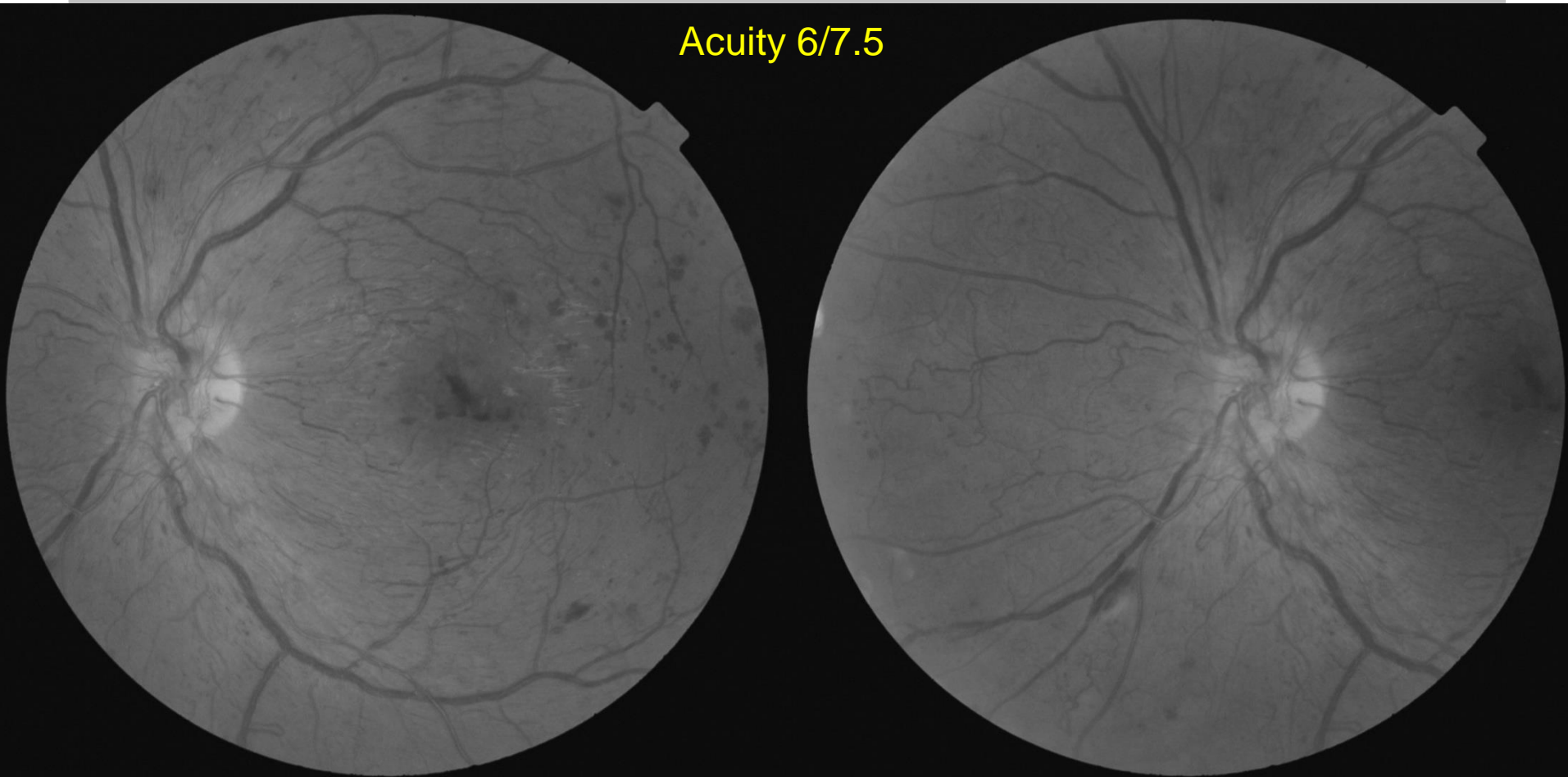
Acuity 6/7.5



Helping you to live life well

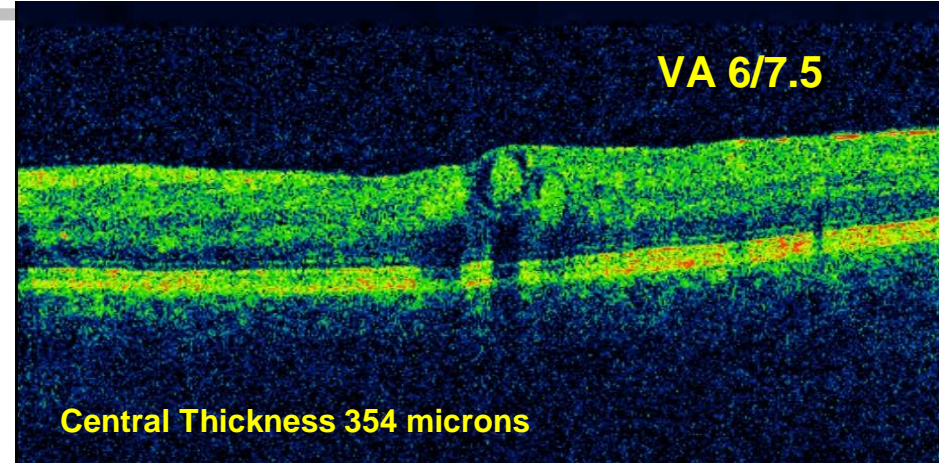
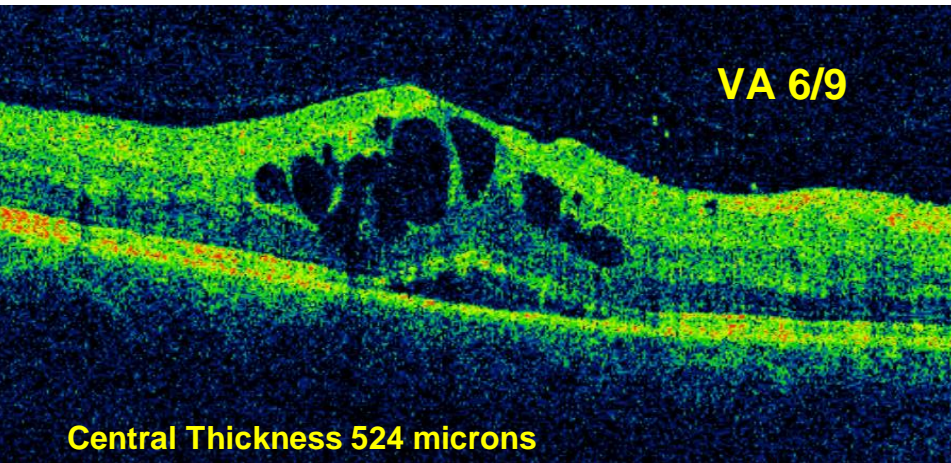
Screening 7/5/14

Acuity 6/7.5



Helping you to live life well

14/5/14: 1st HES Appt



- No visual symptoms
- Control poor: multiple hospital admissions with Diabetic Ketoacidosis
- Under care of Diabetology Team at Weston General

14/5/14: 1st HES Appt

Long discussions with patient and her grandmother re:

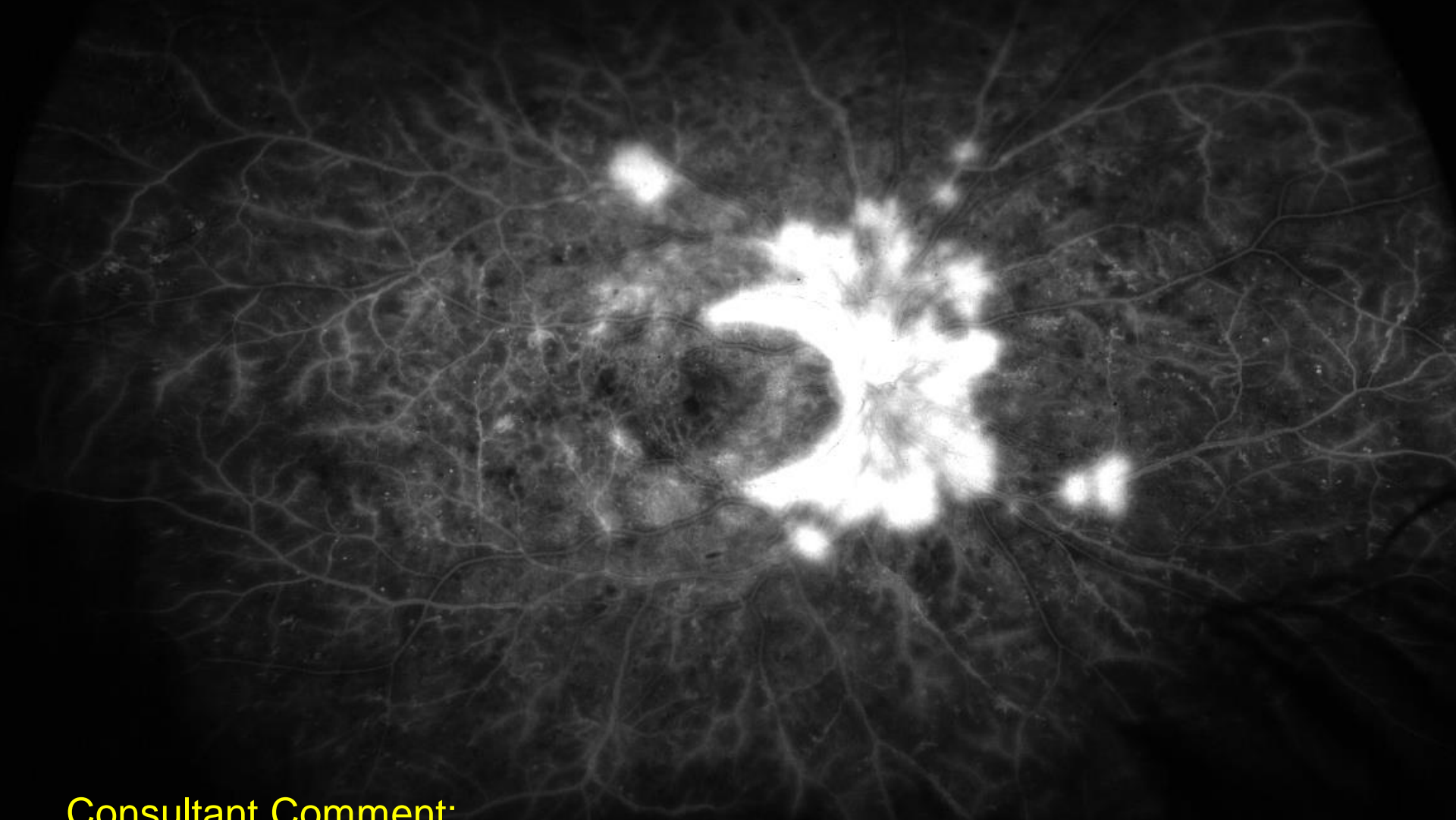
- Diabetic control
- Importance of not becoming pregnant until situation stabilised
- Commitment required with regard to attending appointments
- Likely need for significant levels of laser treatment
- Aims of treatment and likely prognosis
- Eligibility for driving in future

Initial Management : **Bilateral PRP on the day plus**
 Further Bilateral PRP laser in 2 weeks

- | | |
|-----------|---|
| 14/5/2014 | Bilateral PRP under LA |
| 22/5/2014 | Bilateral PRP under LA |
| 25/6/2014 | Medical Retinal Clinical Review:
Outcome: further PRP laser required R eye |
| 27/6/2014 | Right PRP under LA |
| 23/7/2015 | Fluorescein Angiogram (FFA)
& Medical Retina Review |
-

OPTOS Fluorescein Angiography FFA 23/7/14

R eye after three PRP treatments



Consultant Comment:

Severe Proliferative Retinopathy with Severe Ischaemia on FFA.

OUTCOME: For further PRP & Vitreo-Retinal opinion re early vitrectomy

06/8/2015	L PRP under LA
26/8/2015	Med Ret Clinical review Outcome: Referral to Vitreo-Retinal Team
15/9/2015	Vitreo-Retinal Consultant assessment: Vitreotomy surgery relatively high risk in this case and may not be the best solution at this point Outcome: Indirect laser with indentation under GA
2/10/2015	Indirect PRP Under GA

- 3/11/2015 Vitreo-Retinal Clinic Review
Outcome: Monitor carefully
- 1/12/2015 Medical Retinal Clinical review
NVD Still active. Room for further PRP
Outcome: For Bilateral Indirect PRP GA
- 16/12/2015 Bilateral Indirect PRP Under GA

- | | |
|------------|--|
| 07/01/2015 | Medical Retinal Clinical Review
Partial Fibrosis but still active
Outcome: monitor carefully |
| 04/03/2015 | Medical Retinal Clinical Review
Still active NVD R>L
Outcome: For Optos FFA and review |
| 25/03/2015 | DNA for FFA and Medical Retina Clinic |

- 09/06/2015 FFA and Medical Retinal Review:
Florid NVDs and NVEs Both eyes. Epi-retinal
membranes in both eyes.
Outcome: Listed for Bilateral PRP fill in under GA
- 17/06/2015 Bilateral PRP under GA
- 22/07/2015 Medical Retinal Clinical Review
LE improved. Still active extensive NVD RE
Room for more PRP
Outcome: watch carefully at present
-

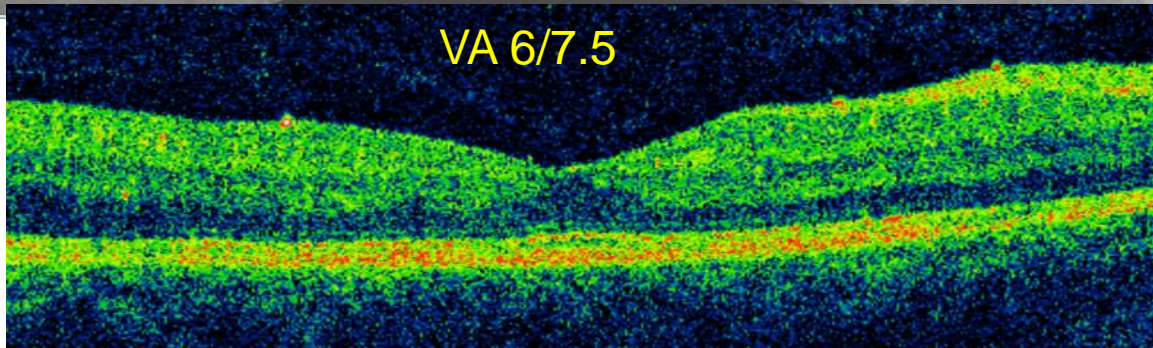
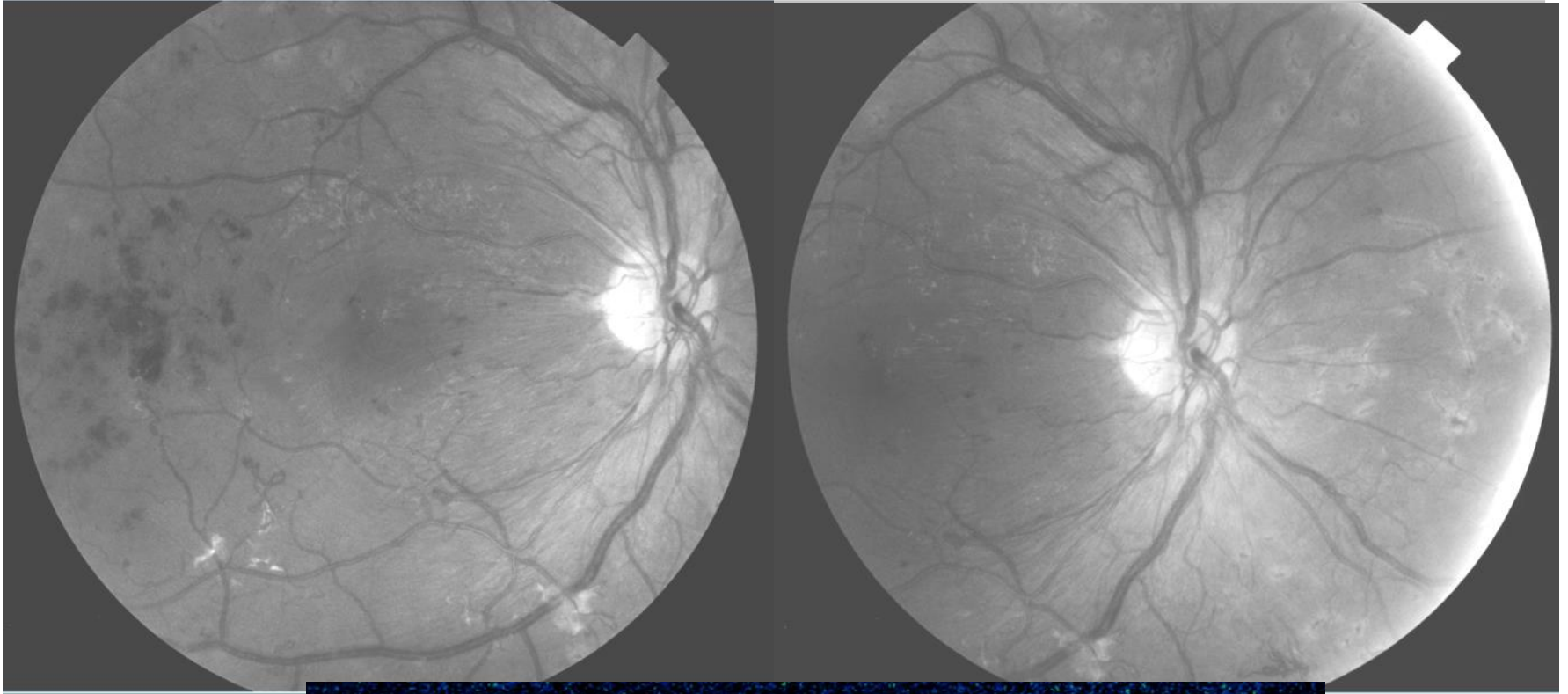
7/5/2014-1/9/2015

-
- Screening Encounter and Referral x 1
 - Attended HES Clinic assessments x 11
 - DNA HES clinic appointments x 1

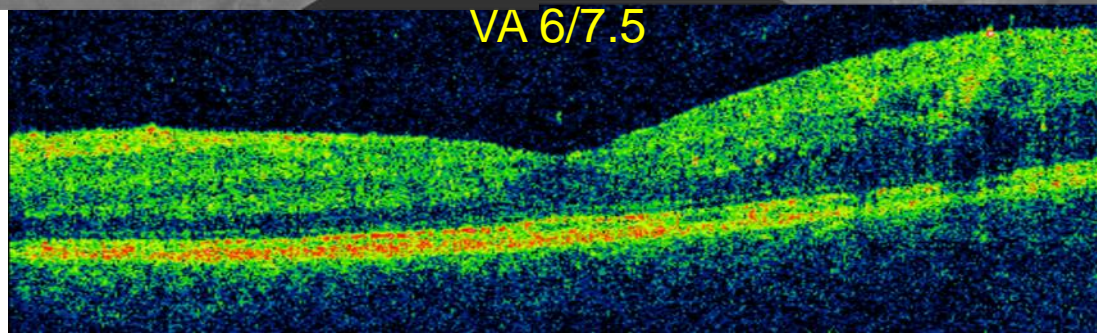
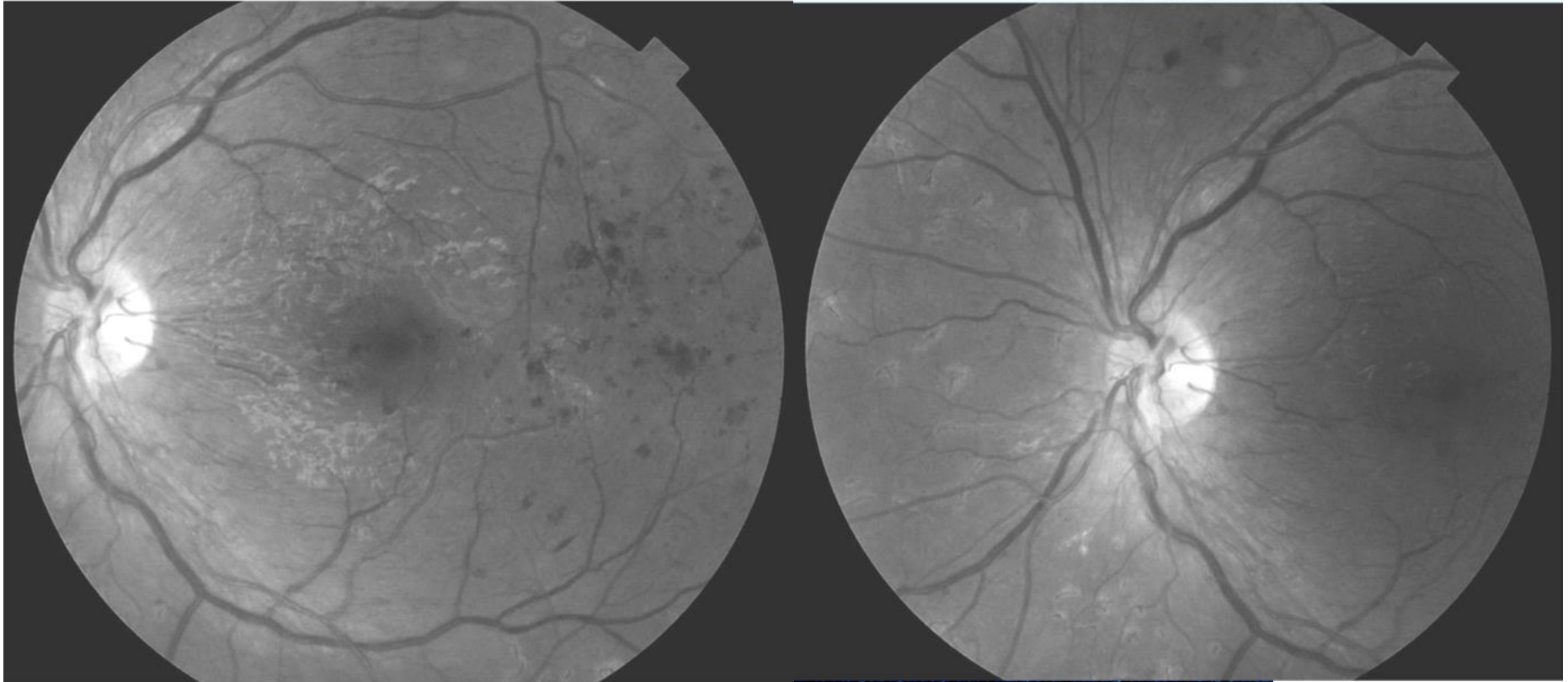
PLUS:

- OCT scan and image sets x13
- Fluorescein Angiograms x 2
- Local Anaesthetic PRP treatments x 4
 - 2 Bilateral and 1 unilateral session each eye
- GA bilateral PRP treatments x 3

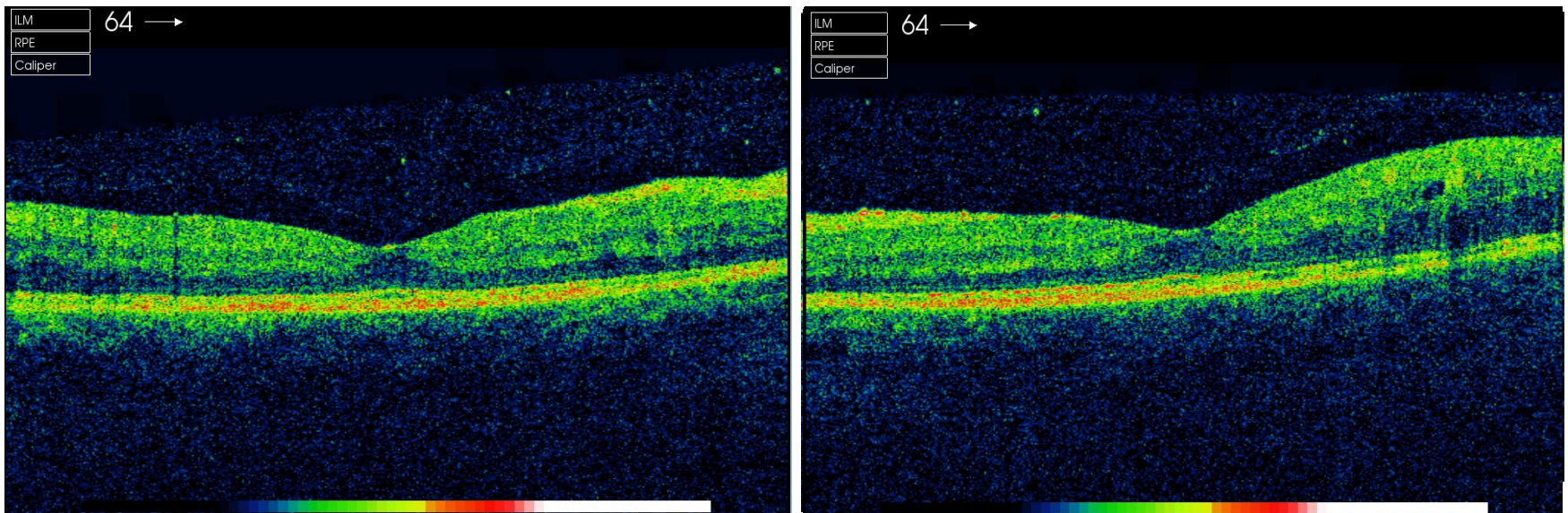
Right Eye 1/9/15



Left Eye 1/9/15



Sequence of OCTs



1/9/2015

Learning Points

- Patients with advanced retinopathy can be asymptomatic
- Treatment decisions need to balance benefits and risks
- Optimising diabetic control carefully is vital
- Good communication between specialities is important
- Importance of good Diabetes Education

Thank you for your attention