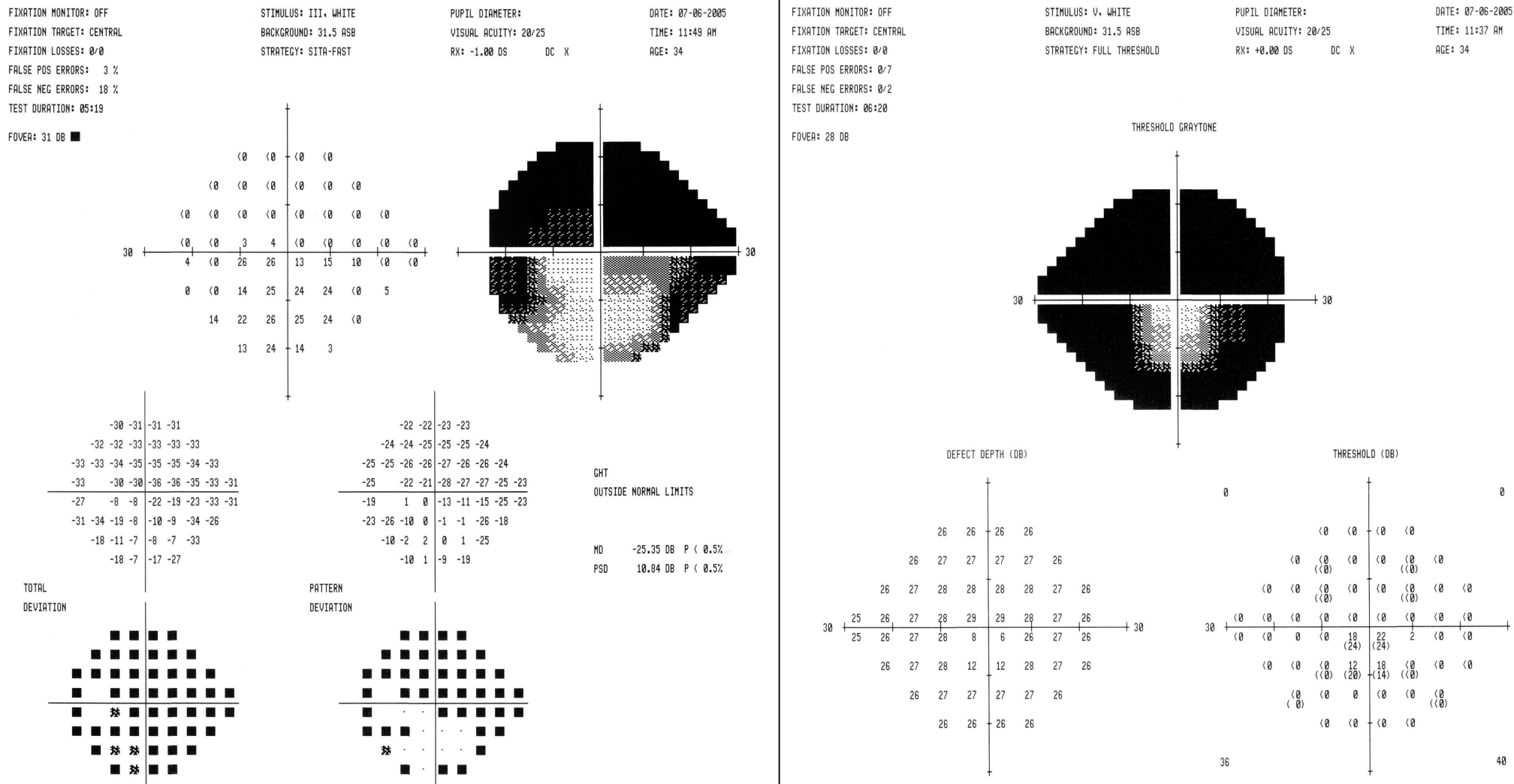
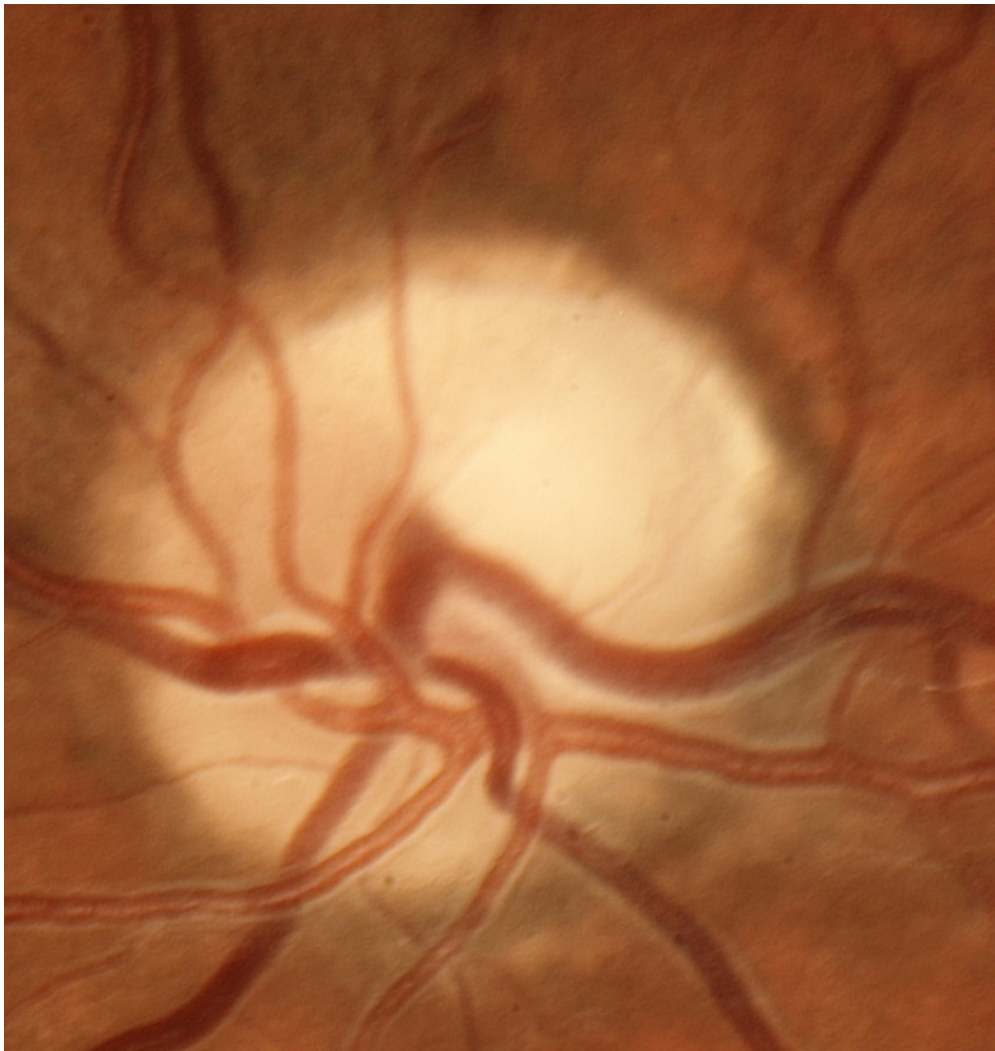




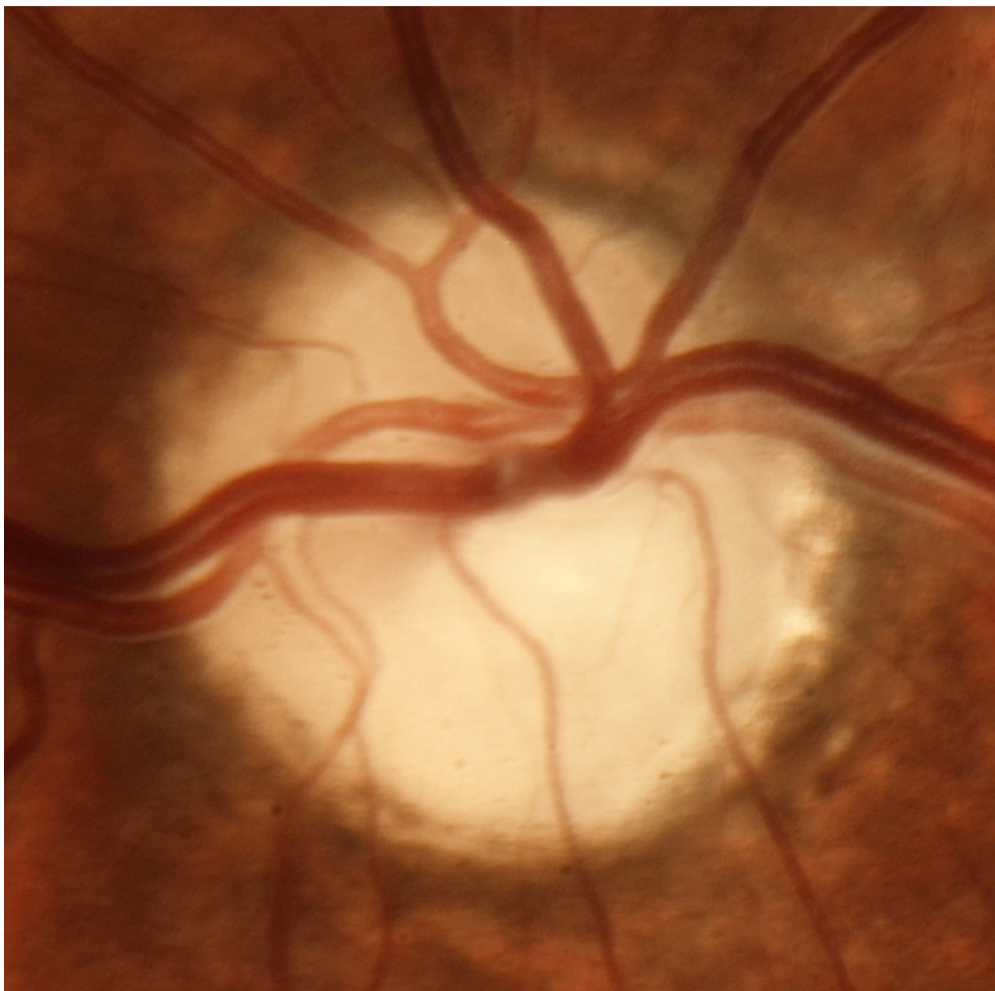
Supplementary Figure 21: This tuberculum sellae meningioma presented with severe bilateral disc edema and complaints of visual blurring.



Supplementary Figure 22: Automated static perimetry in this 34 year old patient with papilledema reveals severe constriction with arcuate visual field defects worse on the right than the left. The right eye required a V size test object showing only a small residual island of vision.



Supplementary  
Figure 23: Following  
optic nerve sheath  
fenestration OD  
there has been a  
marked  
improvement in the  
residual island of  
vision on the right  
side with persistent  
arcuate visual field  
defects now seen  
with a size III test  
object.



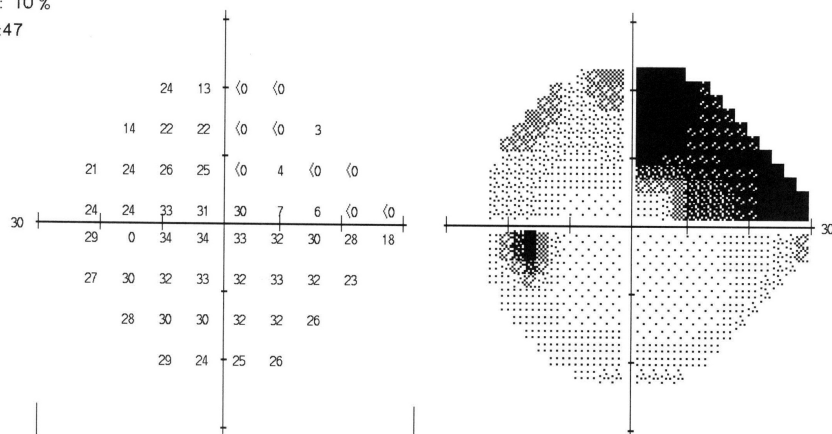
Fixation Monitor: OFF  
 Fixation Target: Central  
 Fixation Losses: 0/0  
 False POS Errors: 13 %  
 False NEG Errors: 10 %  
 Test Duration: 03:47

Stimulus: III, White  
 Background: 31.5 ASB  
 Strategy: SITA-Fast

Pupil Diameter:  
 Visual Acuity: 20/20  
 RX: DS DC X

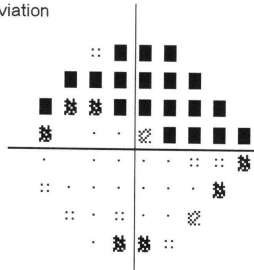
Date: 03-08-2007  
 Time: 11:08 AM  
 Age: 35

Fovea: 40 dB

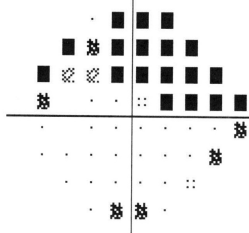


-5	-16	-31	-31
-16	-8	-9	-33
-10	-7	-6	-7
-7	0	-2	-4
-2	0	1	-1
-5	-2	-1	0
-3	-2	-3	-1
-2	-7	-6	-4

Total  
 Deviation



Pattern  
 Deviation



GHT  
 Outside normal limits

MD -10.85 dB P < 0.5%  
 PSD 13.00 dB P < 0.5%

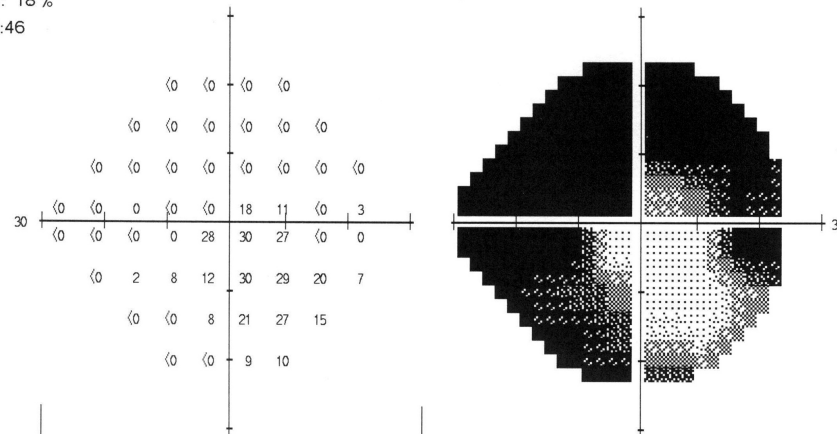
Fixation Monitor: OFF  
 Fixation Target: Central  
 Fixation Losses: 0/0  
 False POS Errors: 1 %  
 False NEG Errors: 18 %  
 Test Duration: 04:46

Stimulus: III, White  
 Background: 31.5 ASB  
 Strategy: SITA-Fast

Pupil Diameter:  
 Visual Acuity: 20/20  
 RX: DS DC X

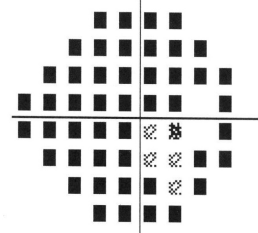
Date: 03-08-2007  
 Time: 11:21 AM  
 Age: 35

Fovea: 34 dB

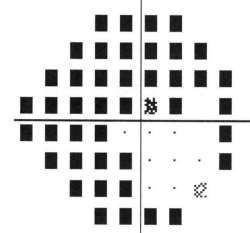


-31	-31	-31	-30
-32	-33	-33	-33
-32	-34	-35	-35
-31	-33	-33	-36
-31	-33	-35	-34
-33	-30	-25	-22
-33	-34	-24	-11
-32	-33	-22	-21

Total  
 Deviation



Pattern  
 Deviation



GHT  
 Outside normal limits

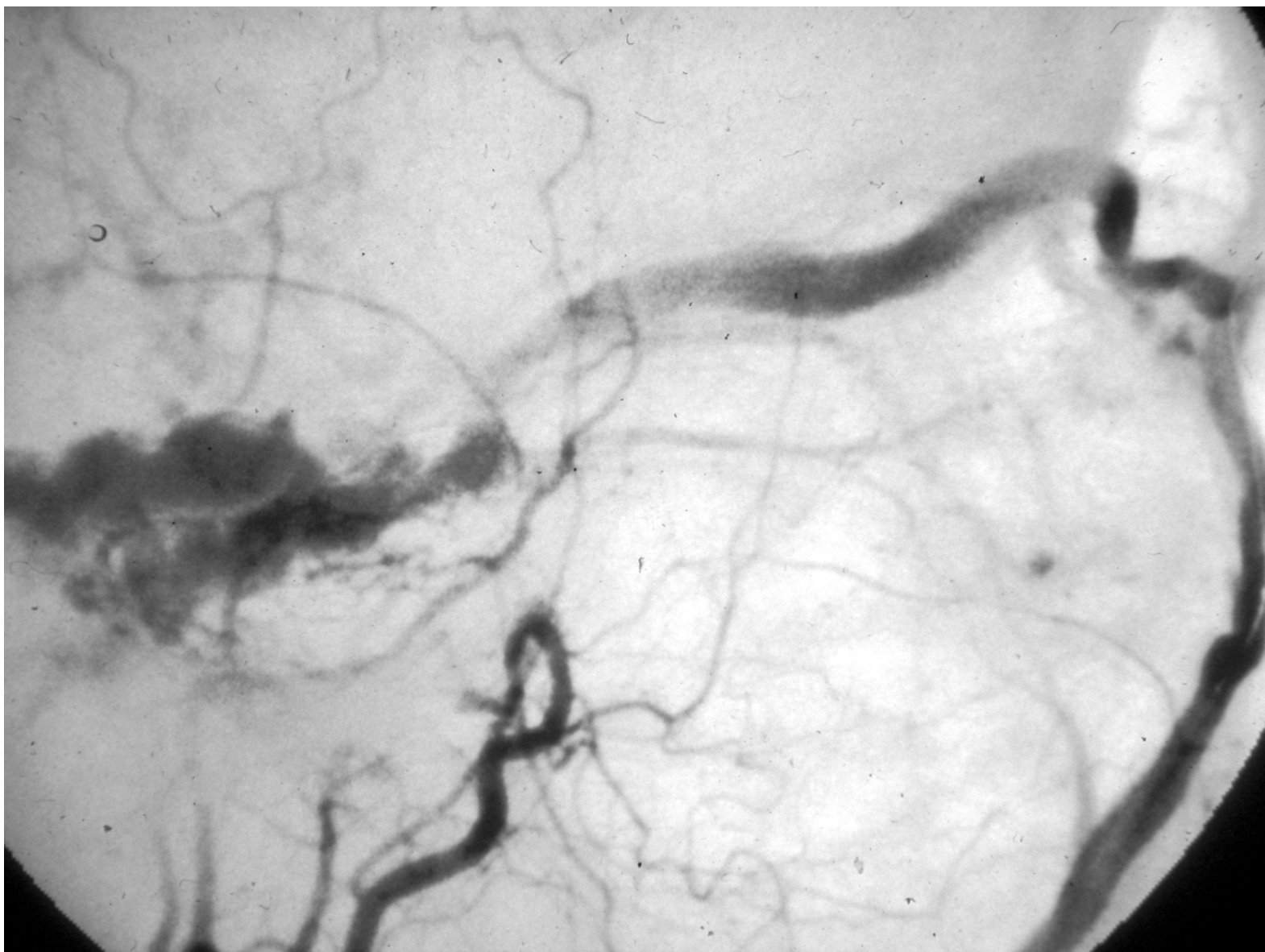
MD -26.86 dB P < 0.5%  
 PSD 10.56 dB P < 0.5%

Supplementary Figure 24: With resolution of her disc edema she was left with marked optic atrophy.



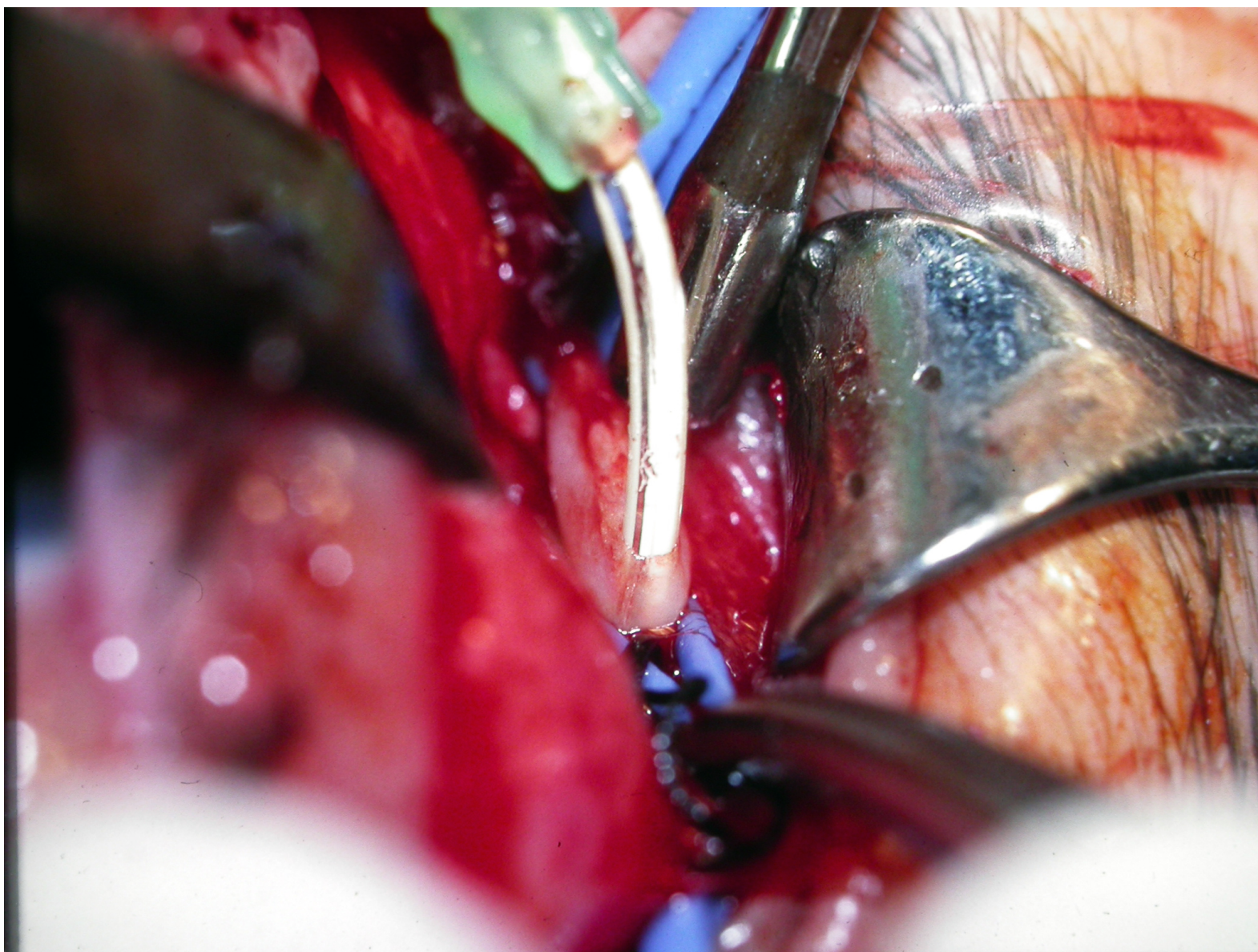


Supplementary Figure 25: Right eye of a 61 year old patient demonstrates severe chemosis associated with a carotid cavernous fistula.



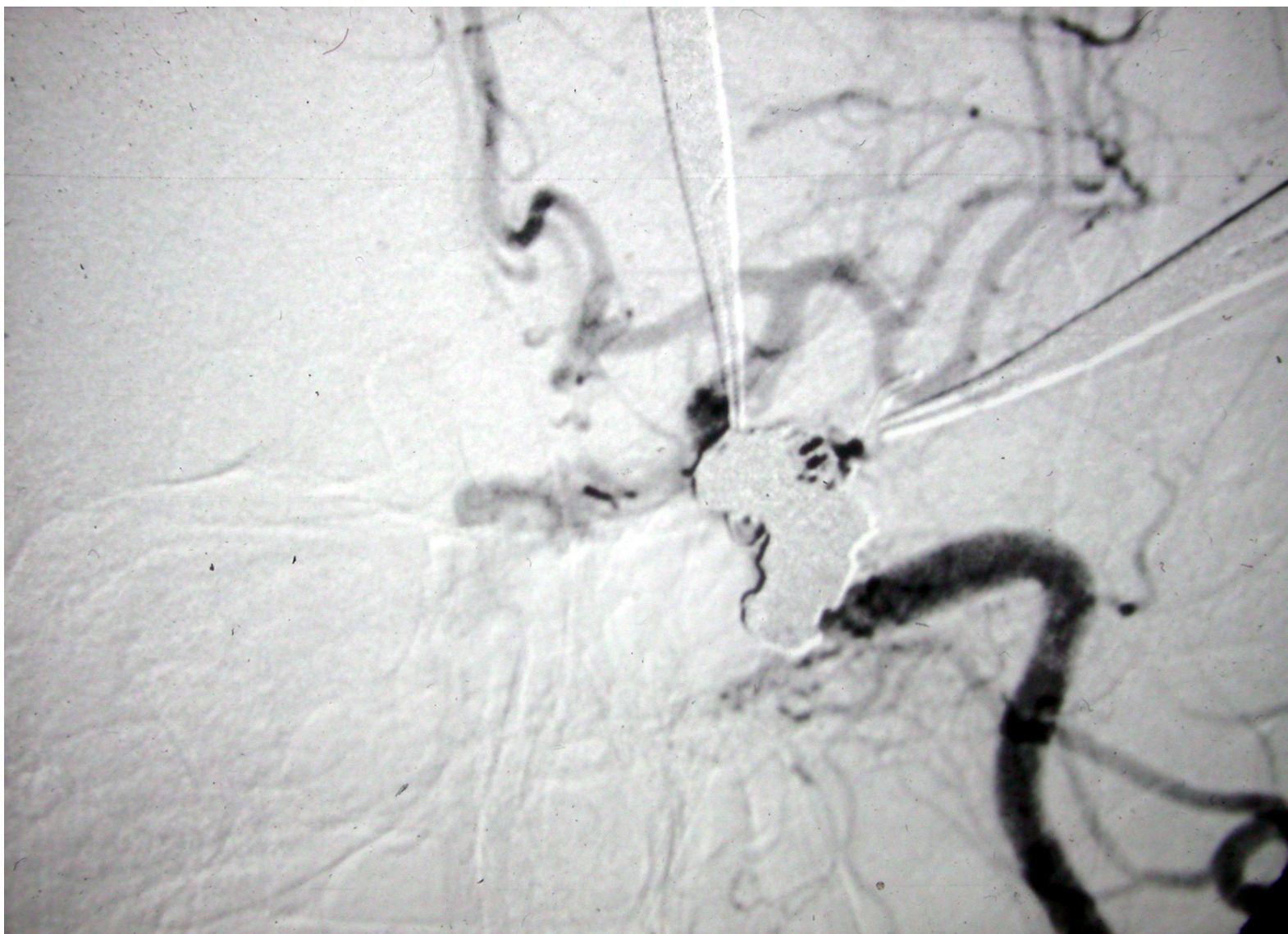
Supplementary Figure 26: Evidence of early marked enlargement of the superior ophthalmic vein and cortical venous hypertension in a patient with a spontaneous carotid cavernous fistula.





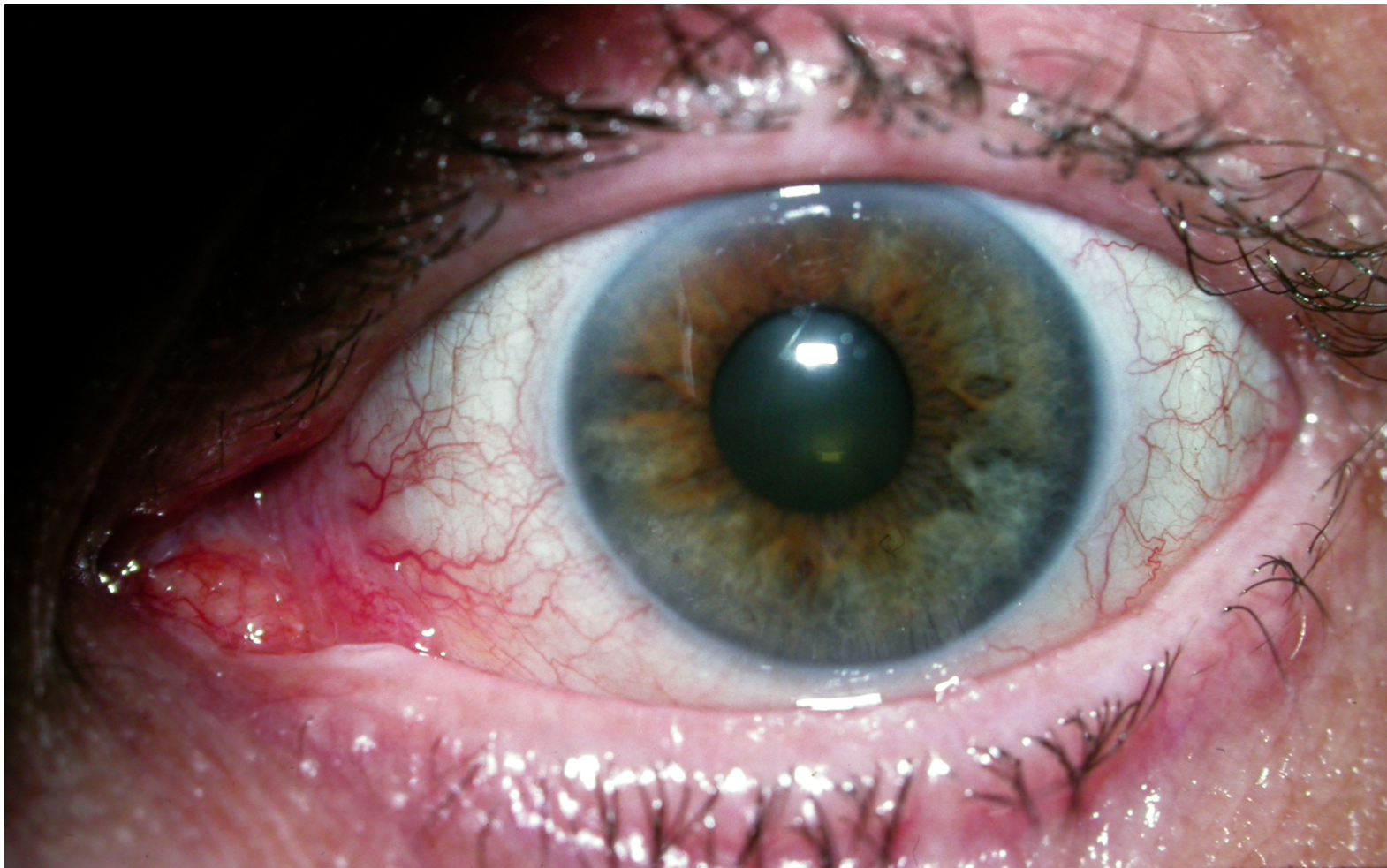
Supplementary Figure 27: Eighteen gauge angiocath placed in the left superior ophthalmic vein which has been isolated through a lid crease incision. This permitted access to place coils directly into the fistula.





Supplementary Figure 28: Left cavernous sinus packed with GDC coils.





Supplementary Figure 29: Following closure of the fistula there was resolution of chemosis bilaterally.



Supplementary Figure 30: This is a 71 year old patient who presented with redness, tearing, pressure sensation on the right eye and double vision in eccentric gaze.