



THE COLLEGE OF
OPTOMETRISTS

Stage Two

Overarching case scenario 78

AGE AND GENDER Female Aged 71 years

ETHNIC BACKGROUND Caucasian

OCCUPATION AND HOBBIES Retired cook: driver: Hobbies: reading, crosswords, jigsaws, swimming

PRESENTING SYMPTOMS AND HISTORY Routine 2-yearly recheck. Has noticed that near vision is difficult over past few months. Dazzled by bright sunlight outdoors (vision takes a long time to return to "normal" when coming indoors). Has given up driving at night and only drives familiar roads. Can't distinguish colours when choosing clothes and has difficulty seeing labels when shopping. Mother had cataract.

GENERAL HEALTH AND MEDICATION Has medication to control high cholesterol level (for past 10 years)

PRESENT Rx, CENTRATION AND ACUITIES CR39 Transitions Varilux Comfort ® New Edition, 2 years old

RE: -2.50/-1.75 x 60 LE: -3.00/-2.25 x 120 Add +2.50 monoc cds R 32 L 33

Distance RE: 6/18 LE: 6/12 Binoc 6/12

Near RE: N10 (some letters missing from words) LE: N8 at 40cm

PD/NCD 65 (R32/L33) / 61 at 40cm

VISION RE: 3/60 LE: 2/60

PINHOLE VISION RE: 6/18 LE: 6/12

REFRACTION RE: -2.50/-1.50 x 60 LE: -2.75/-2.50 x 120

VA Distance RE: 6/18 LE: 6/12 Binoc 6/12

Add +4.00 RE: N8 ("still not as clear as left eye") LE: N6 Binoc N6 ("not as good") at 25cm

Add +8.00 RE: N6 LE N3 at 12.5cm

ACCOMMODATION RE: 0.5 (difficult to judge) LE: 1.0

BINOCULAR STATUS Distance cover test with Rx 4Δ exophoria, good recovery

Near cover test with Rx 6Δ exophoria, good recovery

MOTILITY full, no diplopia

CONVERGENCE NPC = 12 cm

PUPIL REACTIONS direct, consensual and near reflexes present, no RAPD

FUNDUS EXAMINATION see attached

FIELDS: Amsler RE "not right" but patient not able to describe. LE no missing areas.

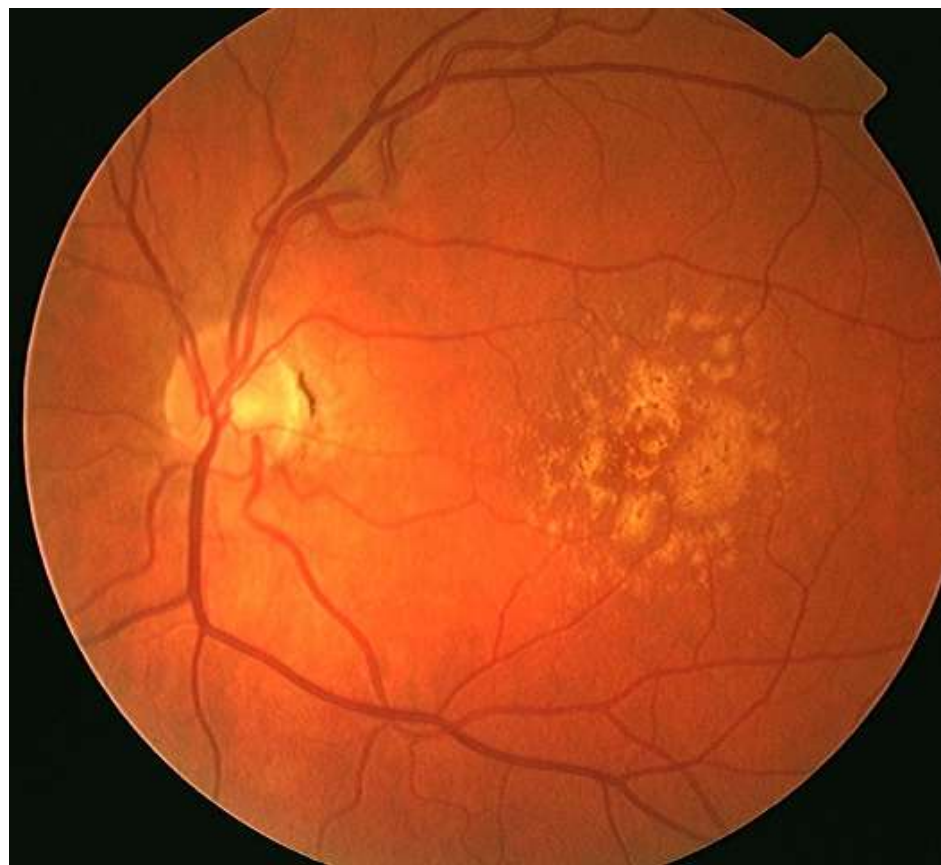
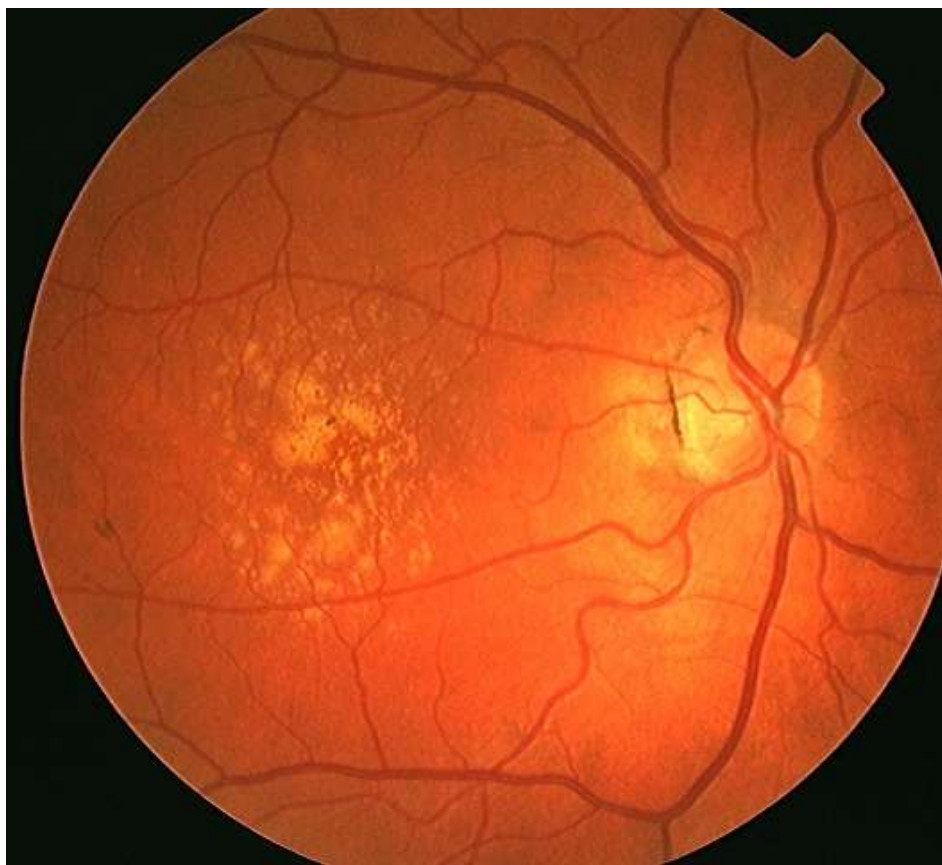
IOP RE: 11mmHg LE: 10mmHg AO NCT 10.30am

EXTERNAL EYE EXAMINATION see attached

KERATOMETRY RE: 8.05 @ 60 LE: 8.00 @ 120 mires clear and undistorted
7.85 @ 150 7.75 @ 30

COLOUR VISION see attached

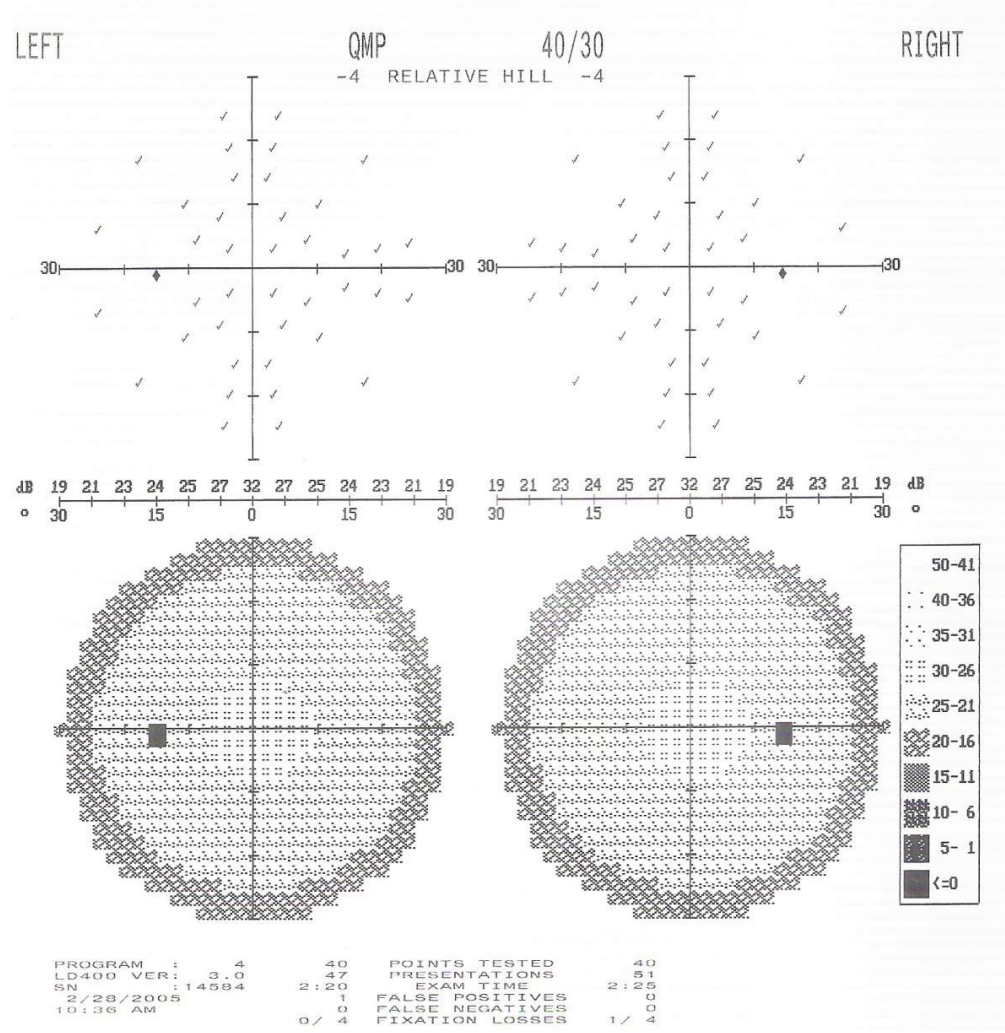
Fundus Image



External Eyes RE (LE similar)



Fields R&L



Colour Vision RE (LE normal)

City University Colour Vision Test (3rd Edition 1998)

Subject: _____ Address: _____
 Male/Female: Male Female Examiner: _____ Date: _____
 Spectacles worn?: Eye(s) tested (delete as needed): both RE LE
 Viewing at 40cm approx. Illumination ('Daylight' type) level: _____ Lux: _____

Part One, screening / selection: PD or Tritan

FORMULA: Here are some rows of 3 coloured spots, each page has four rows.
Please do not touch the pages.

Starting with the left row at the top of the page, tell me if the colour of one of the 3 spots is different from the colour of the other two spots in the same row.
 The three colours may be the same.

In the top right hand row at the top of the page, is there a different colour?
 And the other rows, is there a different colour in one or both rows?

Symbols	Page number										
	1	2	3	4							
<input checked="" type="checkbox"/> Should be seen by all subjects											
<input checked="" type="checkbox"/> R/G defect may miss											
<input checked="" type="checkbox"/> Tritan defect may miss											
No. seen on each page:	2	2	2	2							
TOTAL correctly seen:	10	9	8	7	6	5	4	3	2	1	0

RECORD: Complete Part One of the person's record sheet with a cross 'X' over each spot chosen as **different in colour** from the other two spots in the **same** row of three spots. (see example)

INTERPRETATION: 10 or 9 spots correctly seen suggests normal colour vision, at least 'adequate' for most every-day purposes. If less than 8 - refer to instructions.

City University Colour Vision Test (3rd Edition 1998)

Part Two, detection / selection: Protan, Deutan or Tritan

FORMULA: Here are 4 coloured spots **around** the one in the centre.
Please do not touch the pages.

Tell me which spot looks most like the **colour** of the one in the centre.
 Use the words 'TOP', 'BOTTOM', 'RIGHT' or 'LEFT'.

(Note: Indicate any variation from part ONE as to eye(s) tested, etc.)

INTERPRETATION

Page (D is for demonstration)	Subject's choice of match and eye(s): R, L, Both	Normal	Protan	Deutan	Tritan
5		R	B	L	T
6		L	R	T	B
7		R	L	B	T
8		L	T	R	B
9		R	L	B	T
10		R	L	B	T

SCORE:

RECORD: Complete Part Two of the person's record sheet with name, date, etc., R, L, Both eyes, as appropriate.

Mark correct spaces with person's response (B, R, L, T) clearly.

A 'score' out of 6 may be indicated if required. (see example given)

INTERPRETATION: A 'normal response' score of 6 suggests that colour vision is at least 'adequate' for most every-day purposes.

If **more** than ONE entry 'Protan', 'Deutan', or 'Tritan', refer to appendix 3.

PROFESSIONAL OPINION, as appropriate =

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