



**RANZCO Advanced Clinical Examinations (RACE)**  
**Semester 2/2008 RACE Written Examinations**  
**Paper 2 Part A: Total 8 questions**  
**Suggested time allocation 2 hrs (15 minutes per question)**

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**Question 1**

A 65 year old otherwise well patient presents 5 years after mitomycin trabeculectomy with a very thin bleb extending from 11.30 to 1.30 and an IOP of 5mmHg.

- a) Discuss the indications for bleb revision
- b) Describe your surgical technique.

**Question 2**

A patient undergoing elective cataract surgery by you develops a posterior capsule tear followed by vitreous loss. One quadrant of lens nucleus dislocates into the vitreous cavity. You note that the capsulorhexis is intact and there is a large defect in the posterior capsule.

Discuss:

- a) Your further intraoperative management including details of surgical technique and instrumentation.
- b) Your immediate postoperative management (first 48 hours).
- c) The major causes of long-term poor postoperative visual acuity in patients with this complication.

**Question 3**

A 6 year old girl presents with an accurate 1-2 week history of left upper lid ptosis and a minimally downwardly displaced left globe. She has no significant past history. She appears otherwise well with no fever. A CT scan shows a superior orbital mass.

- a) Discuss the differential diagnosis (for and against each one) and the investigations that should be undertaken.
- b) If the globe displacement is rapidly progressive and the child then becomes systemically ill, which of the differential diagnoses is most likely?

**Question 4**

A 64 year old type 2 diabetic patient presents with a dense vitreous haemorrhage in his right eye which is reducing his visual acuity to hand movements. There is no view of the right fundus details. He says his vision in the right eye was "fine" until a week ago. He has signs of proliferative diabetic retinopathy in the left eye.

Discuss:

- a) Your further assessment / investigation of the patient's right eye noting relevant findings on investigation
- b) The factors which guide your decision regarding conservative treatment vs early intervention for the right eye
- c) The potential complications of vitrectomy surgery for proliferative diabetic retinopathy.

**Question 5**

A 40 year old presents with a cosmetically unsatisfactory Right exotropia of 45°. There is a past history of childhood strabismus, patching of the L eye and 2 previous strabismus operations. BCVA 6/18 and 6/6, no diplopia.

Discuss:

- a) The assessment of this strabismus.
- b) Treatment of this patient's strabismus.
- c) Specific issues in this patient that need to be discussed when obtaining consent for surgery.

**Question 6**

A 42 year old man requests Laser vision correction. His refraction is

R -4.25 /-1.00 x 90 = 6/6

L -3.50 /-0.75 x 80 = 6/6

- a) What findings on your assessment would prompt you to advise him against treatment with laser?
- b) What risks and complications would you discuss with him?
- c) Outline the relative advantages and disadvantages of Lasik and PRK (surface ablation).

**Question 7**

A 23 year old lawyer presents with right visual loss over 2 days and pain on eye movement. She is otherwise well with no family history. Visual acuity in the R eye is 6/9 with a normal looking disc.

- a) What is the most likely diagnosis and what specific features would confirm this diagnosis?
- b) What is your differential diagnosis, and what features will differentiate these from your answer in part a
- c) Outline your treatment plan for this patient.

**Question 8**

A 28 year old male presents with acute right anterior uveitis with an intraocular pressure of 35 mmHg. Visual acuity is 6/18 best corrected in the right eye is 6/5 in the left eye.

Fundus examination shows moderate right vitritis and at the supero temporal edge of the macula there is a focal area of chorioretinitis adjacent to an old pigmented scar. There is some mild arteritis in the superotemporal vessel adjacent to the area of inflammation.

- a) What is the most likely diagnosis?
- b) Describe your further treatment of this patient's uveitis, including treatment options and potential side effects of such treatment.