

- ▶ **Monopost** (Thea Pharmaceuticals Ltd)  
Latanoprost 50 microgram per 1 ml Monopost 50micrograms/ml eye drops 0.2ml unit dose | 30 unit dose [PoM] £8.49 DT = £8.49 | 90 unit dose [PoM] £25.47 DT = £25.47
- ▶ **Xalatan** (Ujohn UK Ltd)  
Latanoprost 50 microgram per 1 ml Xalatan 50micrograms/ml eye drops | 2.5 ml [PoM] £12.48 DT = £4.05

## SYMPATHOMIMETICS > ALPHA<sub>2</sub>-ADRENOCEPTOR AGONISTS

### Apraclonidine

03-Apr-2020

- **DRUG ACTION** Apraclonidine is an alpha<sub>2</sub>-adrenoceptor agonist that lowers intra-ocular pressure by reducing aqueous humour formation. It is a derivative of clonidine.

#### ● INDICATIONS AND DOSE

##### Control or prevention of postoperative elevation of intra-ocular pressure after anterior segment laser surgery

###### ▶ TO THE EYE

- ▶ Child: Apply 1 drop, 1 hour before laser procedure, then 1 drop, immediately after completion of procedure, 1% eye drops to be administered

##### Short-term adjunctive treatment of chronic glaucoma in patients not adequately controlled by another drug

###### ▶ TO THE EYE

- ▶ Child 12–17 years: Apply 1 drop 3 times a day usually for maximum 1 month, 0.5% eye drops to be administered, may not provide additional benefit if patient already using two drugs that suppress the production of aqueous humour

- **UNLICENSED USE** 1% drops are not licensed for use in children.
- **CONTRA-INDICATIONS** History of severe or unstable and uncontrolled cardiovascular disease
- **CAUTIONS** Cerebrovascular disease · depression · heart failure · history of angina · hypertension · loss of effect may occur over time · Raynaud's syndrome · recent myocardial infarction · reduction in vision in end-stage glaucoma (suspend treatment) · severe coronary insufficiency · thromboangiitis obliterans · vasovagal attack
- **INTERACTIONS** → Appendix 1: apraclonidine
- **SIDE-EFFECTS**
  - ▶ **Common or very common** Eye disorders
  - ▶ **Uncommon** Bradycardia · conjunctival haemorrhage · diarrhoea · dry eye · eye discomfort · eye inflammation · gastrointestinal discomfort · irritability · libido decreased · nasal dryness · palpitations · postural hypotension · sensation abnormal · sleep disorders · syncope · vision disorders · vomiting
  - ▶ **Rare or very rare** Chest pain · dry mouth · fatigue · headache · hyperhidrosis · pain in extremity · pruritus · taste altered · temperature sensation altered
- SIDE-EFFECTS, FURTHER INFORMATION** Since absorption may follow topical application, systemic effects may occur—see clonidine hydrochloride p. 108.
- Ocular intolerance** Manufacturer advises withdrawal if eye pruritus, ocular hyperaemia, increased lacrimation, or oedema of the eyelids and conjunctiva occur.
- **PREGNANCY** Manufacturer advises avoid—no information available.
- **BREAST FEEDING** Manufacturer advises avoid—no information available.
- **HEPATIC IMPAIRMENT** Manufacturer advises use with caution and monitor, including close monitoring of cardiovascular parameters—no information available.

- **RENAL IMPAIRMENT** Use with caution in chronic renal failure.
- **MONITORING REQUIREMENTS**
  - ▶ Monitor intra-ocular pressure and visual fields.
  - ▶ Monitor for excessive reduction in intra-ocular pressure following peri-operative use.
- **PATIENT AND CARER ADVICE**
  - Driving and skilled tasks** Drowsiness may affect performance of skilled tasks (e.g. driving).

- **MEDICINAL FORMS** There can be variation in the licensing of different medicines containing the same drug.

#### Eye drops

EXCIPIENTS: May contain Benzalkonium chloride

- ▶ **lopidine** (Novartis Pharmaceuticals UK Ltd)

Apraclonidine (as Apraclonidine hydrochloride) 5 mg per

1 ml lopidine 5mg/ml eye drops | 5 ml [PoM] £10.88 DT = £10.88

Apraclonidine (as Apraclonidine hydrochloride) 10 mg per

1 ml lopidine 1% eye drops 0.25ml unit dose | 24 unit dose [PoM]

£77.85 DT = £77.85

## 6 Retinal disorders

### 6.1 Optic neuropathy

#### DRUGS FOR METABOLIC DISORDERS > ANTIOXIDANTS

### Idebenone

10-Mar-2020

- **DRUG ACTION** Idebenone is a nootropic and antioxidant that is thought to act by restoring cellular ATP generation, thereby reactivating retinal ganglion cells.

#### ● INDICATIONS AND DOSE

##### Leber's Hereditary Optic Neuropathy (initiated by a specialist)

###### ▶ BY MOUTH

- ▶ Child 12–17 years: 300 mg 3 times a day

#### ● SIDE-EFFECTS

- ▶ **Common or very common** Cough · diarrhoea · increased risk of infection · pain
- ▶ **Frequency not known** Agranulocytosis · anaemia · anxiety · appetite decreased · azotaemia · delirium · dizziness · dyspepsia · hallucination · headache · hepatitis · leucopenia · malaise · movement disorders · nausea · neutropenia · poriomania · seizure · skin reactions · stupor · thrombocytopenia · urine discolouration · vomiting

**SIDE-EFFECTS, FURTHER INFORMATION** The metabolites of idebenone may cause red-brown discolouration of the urine. This effect is harmless, but the manufacturer advises caution as this may mask colour changes due to other causes (e.g. renal or blood disorders).

- **PREGNANCY** Manufacturer advises avoid unless potential benefit outweighs risk—no information available.
- **BREAST FEEDING** Manufacturer advises avoid—present in milk in animal studies.
- **HEPATIC IMPAIRMENT** Manufacturer advises caution (no information available).
- **RENAL IMPAIRMENT** Manufacturer advises use with caution—no information available.
- **PATIENT AND CARER ADVICE**
  - Medicines for Children leaflet: Idebenone for Friedreich's ataxia [www.medicinesforchildren.org.uk/idebenone-friedreich's-ataxia](http://www.medicinesforchildren.org.uk/idebenone-friedreich's-ataxia)