

## Acetazolamide

Availability date: Mar 7,2011<sup>1</sup>

Products listed in Saskatchewan formulary:<sup>2</sup>

Apo-acetazolamide 250 mg	tablet	00545015	AAP
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Products listed on Drug Product Database:<sup>3</sup>

00295019	Acetazolam	Valeant Canada LP	acetazolamide	250 mg
00545015	Acetazolamide	AA Pharma INC	acetazolamide	250 mg

### Uses:

#### Glaucoma<sup>4</sup>

Systemic carbonic anhydrase inhibitors (CAI) are rarely used for glaucoma on account of side effects. Methazolamide is an alternative CAI indicated for glaucoma and is dosed 50 to 100 mg twice to three times daily. For reference, acetazolamide is dosed at 250 mg to 1g per day in divided doses.

#### Altitude Sickness<sup>5-7</sup>

Acetazolamide is the preferred agent as it aids acclimatization; however, dexamethasone can be used for both prophylaxis and treatment.

Dose:

*Prophylaxis:* Exercising or ascension >4000 m use 4 mg PO q6h

Sedentary use 2 mg PO q6 h or 4 mg q12 h

*Treatment:* 4 mg PO q6h for acute mountain sickness; in high altitude cerebral edema, start with 8 mg PO and continue with 4 mg PO q6h

#### Edema<sup>8</sup>

Acetazolamide is generally a last resort for edema and best to consult a specialist since measures such as ultrafiltration may be required.

#### Seizure disorder<sup>8</sup>

Acetazolamide is rarely used as an anticonvulsant; consult specialist.

## References:

1. McKesson Canada; c2011 [cited 2011 Feb 10] PharmaClik; Available from <http://clients.mckesson.ca>. Account required.
2. Saskatchewan Formulary. Drug Plan and Extended Benefits Branch [homepage on the Internet]. Government of Saskatchewan; [updated 2010 Jul 29; cited 2011 Feb 10]. Available from: <http://formulary.drugplan.health.gov.sk.ca/>
3. Health Canada. Drug Product Database Online Query. Ottawa, ON: Health Canada; [updated 2010 Apr 1; cited 2011 Feb 10]. Available from: <http://webprod.hc-sc.gc.ca/dpd-bdpp/dispatch-repartition.do?lang=eng>
4. Lesk MR, Rafuse P. Glaucoma. In: Gray Jean, editor. e-Therapeutics+ [Internet]. Ottawa (ON): Canadian Pharmacists Association; c2007 [updated 2010 Jul; cited 2011 Feb 10]. Available from: <http://www.e-therapeutics.ca>. Also available in paper copy from the publisher.
5. Gallagher SA, Hackett P. Acute mountain sickness and high altitude cerebral edema. In: UpToDate, Rose, BD (Ed), UpToDate, Waltham, MA, 2011.
6. Dexamethasone. In: Klasco RK (Ed): DRUGDEX® System. Thomson Micromedex, Greenwood Village, Colorado (Edition expires 03/2011)
7. Shoff WH, Shepherd SM, Zafren K, "High Altitude Sickness." *ACP PIER & AHFS DI® Essentials™* <http://online.statref.com/Document/Document.aspx?docAddress=nF-Ab-ML5BFdDBITe2wjVw%3d%3d&Scroll=2&Index=0&SessionId=1448A69DOJUDUVNE>, [Date accessed: 2011 Feb 10] In STAT!Ref Online Electronic Medical Library [online database]. Jackson, WY, Teton Data Systems, 2011.
8. e-CPS [Internet]. Ottawa (ON): Canadian Pharmacists Association; c2011 [updated 2005 Nov; cited 2011 Feb 10]. Carbonic Anhydrase Inhibitors: Systemic [CPhA monograph]. Available from: <http://www.e-cps.ca>. Also available in paper copy from the publisher.