






ADULT MEDICATION GUIDELINE

**EPHEDRINE SULFATE**

This document should be read in conjunction with this [DISCLAIMER](#)

<b>Presentation</b>	Ampoule: 30mg/mL
<b>Dose</b>	<p><b><u>Hypotension secondary to neuraxial anaesthesia</u></b></p> <p>Refer to KEMH Clinical Guideline: Pain and Anaesthesia: Adult Resuscitation Drug Protocols: <a href="#">Ephedrine Sulphate</a> (<i>intranet access only</i>)</p> <p><b><u>Epidural complications – hypotension</u></b></p> <p><b>IV:</b></p> <p>30mg diluted as per below and given in 6mg (2mL) increments</p>
<b>Administration</b>	<p><b><u>IV Injection</u></b></p> <p><b>Step 1 Dilution:</b> Dilute to 10mL with Sodium Chloride 0.9%. Final concentration is 3mg/mL.</p> <p><b>Step 2 Administration:</b> Inject dose slowly in increments of 2mL every 5 – 10 minutes.</p> <p><b><u>IM Injection</u></b></p> <p>Suitable</p> <p><b><u>Subcut Injection</u></b></p> <p>Suitable</p>
<b>Pregnancy</b>	<p><b>1<sup>st</sup> Trimester:</b> Monitoring required</p> <p><b>2<sup>nd</sup> Trimester:</b> Monitoring required</p> <p><b>3<sup>rd</sup> Trimester:</b> Monitoring required</p>
<b>Breastfeeding</b>	Consider alternative
<b>Monitoring</b>	<p>Signs of extravasation</p> <p>Blood pressure, ECG, cardiac output, pulmonary artery and central venous pressure</p> <p>Urinary output</p> <p>Angina, headache, fever</p>

<b>Clinical Guidelines and Policies</b>	<p>KEMH Clinical Guideline: Pain and Anaesthesia: Adult Resuscitation Drug Protocols: <a href="#">Ephedrine Sulphate</a> (<i>intranet access only</i>)</p> <p>KEMH Clinical Guideline: Pain and Anaesthesia: Labour Analgesia <a href="#">Epidural Complications</a> (<i>intranet access only</i>)</p> <p>KEMH Clinical Guidelines: O&amp;G: Caesarean: <a href="#">Uterine tone and caesarean birth: pharmacological management</a></p>
<b>References</b>	<p>MIMS Australia. DBL Ephedrine Sulphate injection. In: MIMS Online [Internet]. St Leonards (New South Wales): MIMS Australia; 2018 [cited 2018 Aug 31]. Available from: <a href="https://www.mimsonline.com.au">https://www.mimsonline.com.au</a></p> <p>Truven Health Analytics. Ephedrine. In: Micromedex [Internet]. Greenwood Village (CO): Truven Health Analytics; 2018 [cited 2018 Aug 31]. Available from: <a href="http://www.micromedexsolutions.com/">http://www.micromedexsolutions.com/</a></p> <p>Society of Hospital Pharmacists of Australia. Ephedrine. In: Australian Injectable Drugs Handbook [Internet]. [St Leonards, New South Wales]: Health Communication Network; 2018 [cited 2018 Aug 31]. Available from: <a href="http://aidh.hcn.com.au">http://aidh.hcn.com.au</a></p> <p>The Royal Women's Hospital. Ephedrine. In: Pregnancy and Breastfeeding Medicines Guide [Internet]. Parkville (Victoria): The Royal Women's Hospital; 2017 [cited 2018 Aug 31]. Available from: <a href="https://thewomenspbmg.org.au/">https://thewomenspbmg.org.au/</a></p>

Keywords:	Ephedrine sulfate, hypotension, resuscitation, epidural complications		
Publishing:	<input checked="" type="checkbox"/> Intranet <input checked="" type="checkbox"/> Internet		
Document owner:	Chief Pharmacist		
Author / Reviewer:	KEMH Pharmacy Department		
Date first issued:	March 2014	Version:	3.1
Last reviewed:	August 2018	Next review date:	Aug 2021
Endorsed by:	Medicines and Therapeutics Committee	Date:	Dec 2018
Standards Applicable:	NSQHS Standards: 1  Governance, 4  Medication Safety, 8  Acute Deterioration		
<p><b>Printed or personally saved electronic copies of this document are considered uncontrolled.</b></p> <p><b>Access the current version from the WNHS website.</b></p> <p><b>For any enquiries relating to this guideline, please email <a href="mailto:KEMH.PharmacyAdmin@health.wa.gov.au">KEMH.PharmacyAdmin@health.wa.gov.au</a></b></p>			