





















<p>Active ingredients (generic names)</p>	<p>ANTIVENOMS – Box jellyfish (an-te-ven-oms) Most antivenoms are only available in hospitals.</p> 
<p>What it is used for</p>	<ul style="list-style-type: none"> • Life threatening bites and stings <ul style="list-style-type: none"> ◦ Box jellyfish (<i>CARPA STM p94</i>) ◦ Snakes and sea snakes ◦ Stonefish 
<p>How it works</p>	<ul style="list-style-type: none"> • Antivenom binds to venom and makes it inactive. This reduces chance of dying from venomous bite <ul style="list-style-type: none"> ◦ Antivenom is usually specific to the type of venomous animal ◦ Some are made up of more than one antivenom. <i>Example:</i> Polyvalent snake antivenom contains antivenom for all dangerous Australian snakes
<p>Side effects</p>	 <p>Headache</p>

 <p>Warnings</p>	<ul style="list-style-type: none"> • Most antivenoms given in hospital due to risk of anaphylaxis  <p>Anaphylaxis</p> <p>Severe allergic reaction (rash, low BP, trouble breathing)</p>
 <p>Tell the patient</p>	 <p>Return to clinic straight away if you get fever, rash, and sore muscles (serum sickness), up to 2 weeks later</p>
<p>Check</p>	<ul style="list-style-type: none"> • Always have anaphylaxis kit (<i>CARPA STM p32</i>) with adrenaline (epinephrine) ready when giving antivenom

<p>Active ingredients (generic names)</p>	<p>NALOXONE (nah-lox-own) Common brands include: <i>Naloxone Minijet, Narcan</i></p> 
<p>What it is used for</p>	<ul style="list-style-type: none"> • Reversing the action of too much opioid medicine <ul style="list-style-type: none"> ◦ Morphine over-sedation — see <i>Complications with opioid injections (CARPA STM p382)</i> ◦ Heroin overdose <p>Doses — <i>CARPA STM p440</i></p>
<p>How it works</p>	<ul style="list-style-type: none"> • Reverses the action of opioid medicines (eg morphine) by attaching to and blocking the parts of the brain (receptors) where opioids work 
<p>Side effects</p>	<ul style="list-style-type: none"> • Agitation  <p>Fast pulse (heart rate)</p>  <p>Anxiety (worry)</p>  <p>Confusion – if dependent on opioids</p>

 <p>Warnings</p>	<ul style="list-style-type: none"> • Need to repeat dose every 2 minutes until person alert and responsive <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>Pregnant</p> </div> <div style="text-align: center;">  <p>Medical consult straight away</p> </div> </div>
 <p>Tell the patient</p>	<ul style="list-style-type: none"> • May need more than 1 dose
<p>Check</p>	<ul style="list-style-type: none"> • Make sure oxygen and ventilation are available • Watch person for at least 2 hours — effects of opioid may return as naloxone wears off. May need to give another dose

<p>Active ingredients (generic names)</p>	<p>THIAMINE (thigh-a-min) Common brands include: <i>Betamin, Betavit</i></p>  <p>Common name: vitamin B1</p>
<p>What it is used for</p>	<ul style="list-style-type: none"> • Replacing lost thiamine because of <ul style="list-style-type: none"> ◦ Chronic heart failure (<i>CARPA STM p266</i>) ◦ Drinking too much alcohol <ul style="list-style-type: none"> ▪ Alcohol withdrawal (<i>CARPA STM p211</i>) ▪ Before glucose infusion (<i>CARPA STM p91</i>) • Providing missing thiamine for people who don't get enough vitamin B in their diet — usually not eating enough bread cereal or grains
<p>How it works</p>	<ul style="list-style-type: none"> • Replaces lost or missing thiamine • Thiamine is needed for <ul style="list-style-type: none"> ◦ Nervous system to work properly ◦ Body to use carbohydrates for energy
<p>Side effects</p>	<ul style="list-style-type: none"> • Usually no problems • Allergic reactions can occur after an injection (rare)

 <p>Warnings</p>	
 <p>Tell the patient</p>	 <p>Healthy food</p>
<p>Check</p>	<ul style="list-style-type: none">• People who are long-term or regular heavy drinkers of alcohol, or not eating properly, may need thiamine injection at first, before starting tablets