

## Amiodarone

Note: Please refer to CUH Amiodarone Prescribing and Administration PPG available on QPulse and Eolas for more detail on Administration and Monitoring of Amiodarone.

**CAUTION: High Administration Risk Rating**

**Use RESTRICTED to CCU, ICU, Cardiothoracics, and ED Resus only**

|                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                  |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| <b>Form</b>                          | 300mg per 10mL prefilled syringe (resuscitation trolley)<br>150mg per 3mL ampoule                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Store below 25°C |
| <b>Reconstitution</b>                | Already in solution <ul style="list-style-type: none"> <li>• Draw up using a 5micron filter needle</li> <li>• Use gloves when opening ampoules</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                  |
| <b>Compatibility &amp; Stability</b> | <p><b>Glucose 5% ONLY.</b> Flush line before and after with 10 ml Glucose 5%, as amiodarone is incompatible with Sodium Chloride 0.9%.</p> <p>Do not over-dilute. Solutions containing less than 300mg amiodarone in 500mL (i.e. less than 600 micrograms per mL) are unstable and should not be used.</p> <p><b>Incompatible with DEHP/PVC:</b><br/>A non-DEHP, PVC-free infusion container (Baxter Viaflo®, Braun Ecoflac®) and a non-PVC infusion set should be used.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                  |
| <b>Administration</b>                | <p><b>Use of an Inline Filter:</b> Inline filter Infusomat® Space line (Neutrapur, 0.2µm I.V.Filter) should be used when administering amiodarone.</p> <p>If central line is not possible, use the <b>smallest cannula</b> e.g. a 22G Cannula and <b>largest peripheral vein</b> to decrease the risk of extravasation.</p> <p><b>Extreme Clinical Emergency only. IV Injection (Resuscitation)</b></p> <p><b>Indication: (NO PULSE) i.e. Ventricular fibrillation (VF), or pulseless ventricular tachycardia (VT) refractory to defibrillation</b></p> <p>Initially give 300 mg rapid bolus. If VF or pulseless VT continues after subsequent defibrillation attempt, or reoccurs, administer supplemental dose of 150 mg (AHA 2020).</p> <p>For <b>300mg</b> dose, use 300mg per 10 ml prefilled syringe (PFS). Does not require further dilution. Administration requires use of adaptor (supplied with each PFS).</p> <p>➤ If prefilled syringe is unavailable the 150mg in 3ml ampoule can be used:<br/>               <u>Dilute to 10mls</u> by carefully adding 300mg (2 ampoules: 6mls) to 4mls 5% Dextrose.</p> <p>For <b>150mg</b> dose, dilute to 5ml by carefully adding 150mg (1 ampoule: 3mls) to 2ml 5% Dextrose.</p> <p><b>Emergency IV Infusion</b></p> <p><b>Indication: Pulse present i.e. Ventricular Tachycardia with a pulse:</b></p> <p><b>First line, if patient stable:</b></p> <p>Give 300mg in 250ml of Glucose 5% infused over 1 hour, as detailed in infusion section above</p> |                  |

*This information has been summarised to act as a guide for those administering IV medication. The monograph should be used in conjunction with the drug data sheet and BNF for information on dose, adverse effects, cautions and contra-indications. Further information is available from Pharmacy on 22146 or 22542*

|                 | RESTRICTED USE to CCU/ITU/Cardiothoracics/ED Resus. REQUIRES TELEMETRY                                                                                                                                                                                                                                                                                                                                                         |                 |                   |               |               |               |       |             |          |                |       |          |        |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-------------------|---------------|---------------|---------------|-------|-------------|----------|----------------|-------|----------|--------|
|                 | <b>If pre-arrest/emergency:</b>                                                                                                                                                                                                                                                                                                                                                                                                |                 |                   |               |               |               |       |             |          |                |       |          |        |
|                 | 150mg in 100ml Glucose 5% via IV infusion over 10 minutes <i>may be considered</i> by SENIOR CLINICIANS, generally via central line. (AHA 2020).                                                                                                                                                                                                                                                                               |                 |                   |               |               |               |       |             |          |                |       |          |        |
|                 | Can use 18G (red) filter needle to minimise frothing.                                                                                                                                                                                                                                                                                                                                                                          |                 |                   |               |               |               |       |             |          |                |       |          |        |
|                 | After Amiodarone administration, flush with 10ml of glucose 5%.                                                                                                                                                                                                                                                                                                                                                                |                 |                   |               |               |               |       |             |          |                |       |          |        |
|                 | Amiodarone can be administered via the intra-osseous route (IO) if there is difficulty with IV access.                                                                                                                                                                                                                                                                                                                         |                 |                   |               |               |               |       |             |          |                |       |          |        |
|                 | <b>IV Infusion. For Non-Emergency indications:</b>                                                                                                                                                                                                                                                                                                                                                                             |                 |                   |               |               |               |       |             |          |                |       |          |        |
|                 | <b>Severe, symptomatic, tachycardic ventricular arrhythmias, and</b>                                                                                                                                                                                                                                                                                                                                                           |                 |                   |               |               |               |       |             |          |                |       |          |        |
|                 | <b>Symptomatic tachycardic supraventricular arrhythmias requiring treatment</b>                                                                                                                                                                                                                                                                                                                                                |                 |                   |               |               |               |       |             |          |                |       |          |        |
|                 | <b>IV Infusion (Loading dose)</b>                                                                                                                                                                                                                                                                                                                                                                                              |                 |                   |               |               |               |       |             |          |                |       |          |        |
|                 | The standard recommended dose is 300mg given by intravenous infusion over one hour. This should be administered in 250ml 5% dextrose.                                                                                                                                                                                                                                                                                          |                 |                   |               |               |               |       |             |          |                |       |          |        |
|                 | <b>IV Infusion (Maintenance dose)</b>                                                                                                                                                                                                                                                                                                                                                                                          |                 |                   |               |               |               |       |             |          |                |       |          |        |
|                 | Follow up dose is usually 900mg in 23 hours. Max total dose is 1200mg in 24 hours. Infuse using an electronically controlled pump. Administration via a central venous catheter is preferred.                                                                                                                                                                                                                                  |                 |                   |               |               |               |       |             |          |                |       |          |        |
|                 | <table><tr><th>Amiodarone Dose</th><th>Volume Glucose 5%</th><th>Infusion time</th><th>Concentration</th></tr><tr><td>900mg (18 mL)</td><td>500mL</td><td>23-24 hours</td><td>1.8mg/ml</td></tr><tr><td>1200mg (24 mL)</td><td>600mL</td><td>24 hours</td><td>2mg/ml</td></tr></table>                                                                                                                                         | Amiodarone Dose | Volume Glucose 5% | Infusion time | Concentration | 900mg (18 mL) | 500mL | 23-24 hours | 1.8mg/ml | 1200mg (24 mL) | 600mL | 24 hours | 2mg/ml |
| Amiodarone Dose | Volume Glucose 5%                                                                                                                                                                                                                                                                                                                                                                                                              | Infusion time   | Concentration     |               |               |               |       |             |          |                |       |          |        |
| 900mg (18 mL)   | 500mL                                                                                                                                                                                                                                                                                                                                                                                                                          | 23-24 hours     | 1.8mg/ml          |               |               |               |       |             |          |                |       |          |        |
| 1200mg (24 mL)  | 600mL                                                                                                                                                                                                                                                                                                                                                                                                                          | 24 hours        | 2mg/ml            |               |               |               |       |             |          |                |       |          |        |
|                 | Amiodarone concentration should not be <600microgram/mL as this solution is unstable.                                                                                                                                                                                                                                                                                                                                          |                 |                   |               |               |               |       |             |          |                |       |          |        |
|                 | Amiodarone concentrations >2mg/mL should always be given via central line except in extreme clinical emergency.                                                                                                                                                                                                                                                                                                                |                 |                   |               |               |               |       |             |          |                |       |          |        |
|                 | Dose and the rate of infusion are adjusted on the basis of clinical response. IV amiodarone is given to obtain rapid effects or where oral administration is not possible. Oral therapy is recommended as soon as this route is feasible.                                                                                                                                                                                      |                 |                   |               |               |               |       |             |          |                |       |          |        |
| Monitoring      | <ul style="list-style-type: none"><li>Blood pressure, heart rate and ECG must be monitored during administration. Monitor LFTs daily.</li></ul>                                                                                                                                                                                                                                                                                |                 |                   |               |               |               |       |             |          |                |       |          |        |
| Extravasation   | <ul style="list-style-type: none"><li>Infusion site reactions may occur. The peripheral venous cannula should be inspected hourly at a minimum, and site should be changed once daily. Visual Infusion Phlebitis (VIP) score should be recorded as per Amiodarone Peripheral Venous Cannula Monitoring Sheet (copies located in CCU). If patient has PICC line they require 4-hourly observations instead of hourly.</li></ul> |                 |                   |               |               |               |       |             |          |                |       |          |        |

**Information provided relates to Cordarone® manufactured by Sanofi, Aurum and Hameln Pharmaceuticals. Last updated 18/6/26**

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