

Aminophylline
(Diuretic Protocol)

Indication	Diuresis in combination with furosemide																				
Dose	10mg per hour																				
Preparation	Aminophylline ampoules contain 25mg per ml. 1. Withdraw 10ml from a 100ml bag of sodium chloride 0.9% 2. Draw up 10ml of aminophylline using a filter needle 3. Add aminophylline to the sodium chloride bag																				
Administration	Aminophylline can be infused via a central or peripheral line Use the “Aminophylline – Diuretic” program on the Volumed volumetric pump																				
Shelf-life	24 hours at room temperature																				
Common Compatibility Issues	Aminophylline has many incompatibilities – check unit compatibility chart for further information. Aminophylline is considered compatible with flucloxacillin or furosemide via the same lumen at normal DHFT ICU concentrations.																				
Additional information	Levels are not routinely required for diuretic doses of Aminophylline. However, they may be considered where there is persistent tachycardia, or amiodarone, ciprofloxacin or macrolide antibiotics are being coadministered for 5 or more days. There is usually no need to infuse aminophylline without furosemide for this indication. Aminophylline is unlicensed for this indication.																				
Sample Label	<table border="1" style="width: 100%; background-color: yellow;"> <tr> <th colspan="4" style="text-align: center;">DRUGS ADDED TO THIS INFUSION</th> </tr> <tr> <td colspan="3">PATIENT <i>A. Patient (A. Number)</i></td> <td>WARD <i>ICU</i></td> </tr> <tr> <td>DRUG <i>Aminophylline in 100ml sodium chloride 0.9%</i></td> <td>AMOUNT <i>250mg (2.5mg/ml)</i></td> <td>ADD BY</td> <td>CHECKED BY</td> </tr> <tr> <td>DATE ADDED TIME ADDED</td> <td>EXP. DATE EXP. TIME</td> <td colspan="2">BATCH No.</td> </tr> <tr> <td colspan="4" style="text-align: center;">DISCONTINUE IF CLOUDINESS OR PRECIPITATE DEVELOPS</td> </tr> </table>	DRUGS ADDED TO THIS INFUSION				PATIENT <i>A. Patient (A. Number)</i>			WARD <i>ICU</i>	DRUG <i>Aminophylline in 100ml sodium chloride 0.9%</i>	AMOUNT <i>250mg (2.5mg/ml)</i>	ADD BY	CHECKED BY	DATE ADDED TIME ADDED	EXP. DATE EXP. TIME	BATCH No.		DISCONTINUE IF CLOUDINESS OR PRECIPITATE DEVELOPS			
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Documentation Controls

Development of Guideline:	Pharmacist – Critical Care & Theatres
Consultation with:	Pharmacy Department
Approved By:	ICU Sister's Meeting: June 2023 ICU Risk & Quality Meeting: August 2023 Surgical Division
Review Date:	November 2025
Key contact:	Pharmacist – Critical Care & Theatres

References

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*** End of Monograph ***