

Fentanyl (Sedation for Mechanical Ventilation)																					
Indication	To facilitate mechanical ventilation																				
Dose	Usual infusion range: 0 - 5microgram/kg/hour Doses adjusted to maintain target sedation score Doses based on ideal body weight for obese patients.																				
Preparation	Fentanyl ampoules contain 500microgram/10ml (50microgram/ml). Draw up 50ml of fentanyl into a 50ml syringe using a filter straw.																				
Administration	Continuous infusion via a peripheral or central line																				
Shelf-life	24hours at room temperature																				
Common Compatibility Issues	Fentanyl is considered to be compatible with adrenaline, clonidine, labetalol, midazolam, or noradrenaline at concentrations commonly used on UHDB ICU. Fentanyl is not compatible with omeprazole See unit compatibility chart for more information.																				
Additional information	Fentanyl can accumulate in renal impairment, so sedation holds are important in this group. Fentanyl can exacerbate chest wall rigidity.																				
Sample Label	<table border="1" style="width: 100%; background-color: yellow;"> <thead> <tr> <th colspan="4" style="text-align: center;">DRUGS ADDED TO THIS INFUSION</th> </tr> </thead> <tbody> <tr> <td colspan="3">PATIENT <i>A. Patient (A. Number)</i></td> <td>WARD <i>ICU</i></td> </tr> <tr> <td>DRUG <i>Fentanyl in 50ml (Neat)</i></td> <td>AMOUNT <i>2500microgram (50mcg/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> </tbody> </table>	DRUGS ADDED TO THIS INFUSION				PATIENT <i>A. Patient (A. Number)</i>			WARD <i>ICU</i>	DRUG <i>Fentanyl in 50ml (Neat)</i>	AMOUNT <i>2500microgram (50mcg/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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For review January 2027

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:	January 2027
Key contact:	Pharmacist – Critical Care & Theatres

References

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*** End of Monograph ***