

Guidelines for NON - CRITICAL CARE staff

Common drugs

The following drugs are commonly used in Intensive Care. This card is for drugs used with GENERAL ITU PATIENTS. For NEURO patients, see neuro prompt cards.

Please note all dose ranges provide a minimum and maximum range for reference only.

Plan for initiation and titration range will be as per the ICU clinician or Anaesthetist.

SEDATION:

PROPOFOL (1st line sedation) standard concentration: 20mg/mL

2% solution (CHECK you have the 2% solution not 1%): 20mg/mL

Neat solution: 50mL bottle drawn up in 50mL syringe

OR x 3 20mL amps drawn up to 60mL (50mL syringe has 60mL capacity)

Dose ranges: 2-4mg/kg/hr **MAXIMUM 400mg/hr**

Usual pump rates: 2-12mL/hr, but higher rates can be used.

Doses >400mg/hr with consultant agreement

BOLUS: 0.5mL – 2mL if required

Common side effects: over-sedation, reduced respiratory rate, hypotension – especially following boluses > CONTACT ICU CLINICIAN OR ANAESTHETIST IF ANY OF THESE OCCUR

MIDAZOLAM (2nd line sedation) standard concentration: 1mg/mL

Either – 50mg/50mL bottle drawn up neat in 50mL syringe

OR 10mg/2mL ampoule – 5 amps (10mL) added to 40mL sodium chloride 0.9% to make 50mL total volume.

Dose ranges: 1-5mg/hr, but can exceed 5mg/hr with consultant agreement

BOLUS: 0.5mL – 1mL if required

Common side effects: over-sedation, reduced respiratory rate or apnoea, hypotension – especially following boluses > CONTACT ICU CLINICIAN OR ANAESTHETIST IF ANY OF THESE OCCUR

CLONIDINE (3rd line or used alongside 1st/2nd line sedation) standard concentration: 15mcg/mL

150mcg/mL ampoules: add 750mcg (5mL) to 45mL of sodium chloride 0.9% or 5% dextrose to make 50mL syringe.

Dose ranges: 0.5mcg/kg/hr – 2mcg/kg/hr **infusion table and guidance on ICU infonet page under 'guidelines'**

Common side effects: over-sedation, reduced respiratory rate/apnoea, hypotension, bradycardia > CONTACT ICU CLINICIAN OR ANAESTHETIST IF ANY OF THESE OCCUR

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ANALGESIA:

FENTANYL (1st line analgesia) standard concentration: 50mcg/mL

Either – 2500mcg/50mL bottle: draw up into 50mL syringe

OR 500mcg/10mL ampoules: draw up x 5 amps into 50mL syringe

Dose ranges: 25mcg – 100mcg/hr (0.5mL – 2mL/hr)

Dose can be >2mL/hr with consultant agreement

BOLUS: 0.5mL – 1mL if required

Common side effects: over-sedation, reduced respiratory rate/apnoea, hypotension – especially with boluses > CONTACT ICU CLINICIAN OR ANAESTHETIST IF ANY OF THESE OCCUR

MORPHINE (2nd line analgesia) standard concentration = 1mg/mL

50mg/50mL neat solution drawn up into 50mL syringe

Dose ranges: 1mg-5mg/hr

Dose >5mg/hr with consultant agreement

BOLUS: 1-2mg if required

Common side effects: over-sedation, reduced respiratory rate/apnoea, bradycardia, hypotension > CONTACT ICU CLINICIAN OR ANAESTHETIST IF ANY OF THESE OCCUR

FOR PCA INFUSIONS:

- Fentanyl (1ST line) 2500mcg/50mL: bolus dose 25micrograms
- Morphine (2nd line) 50mg/50mL: bolus dose 1mg
- Oxycodone (2nd line) 50mg/50mL: bolus dose 1mg

Note: Bolus doses and pain management plan to be confirmed with ITU team.

Refer to BSUH Policy C014 Adult Patient Controlled Analgesia for further guidance.

