

12/01/2021

Dear Hartford Hospital Sponsored Paramedic:

To facilitate slower injection and reduce the risk of respiratory depression/apnea, both **ketamine and midazolam MUST be diluted prior to intravenous administration.**

Presently, Hartford Hospital controlled drug kits contain formulations of ketamine and midazolam intended to facilitate intramuscular administration (i.e. low volume/high concentration):

- Ketamine is supplied as 100 mg/mL
- Midazolam is supplied as 5 mg/mL

Prior to intravenous administration, these medications must be diluted as follows:

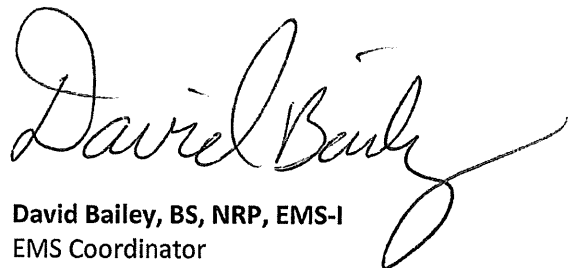
- Dilute ketamine with at least an equal volume of normal saline or 5% dextrose
 - May alternately prepare a more dilute solution in a syringe or IV bag
- Dilute midazolam with normal saline or 5% dextrose to achieve a 0.5 mg/mL concentration (i.e. 1 mL midazolam mixed with 9 mL diluent)
 - May alternately dilute to 1 mg/mL (i.e. 1 mL midazolam with 4 mL diluent)

Thank you for your attention to this important safety practice.

Sincerely,



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