

## Nebraska Medicine IV Push Medication Review

Drug Name	Chemotherapy or Mab?	Adults Can Med be administered IV push or < 5 min? (Yes/No)	Adults If Med can be administered IV push, how fast can it be pushed?	Pediatrics Can Med be administered IV push in? (Yes/No)	Pediatrics If Med can be administered IV push, how fast can it be pushed?
acetaZOLAMIDE	No	Yes	500 mg over 3 min	Yes	500 mg over 3 min
acetylcysteine	No	No		No	
acyclovir	No	No		No	
alteplase PE	No	No		No	
alteplase stroke	No	No		No	
amikacin	No	No		No	
aminocaproic acid	No	No		No	
aminophylline	No	No		No	
amiodarone	No	No		No	
ampho B (liposomal)	No	No		No	
amphotericin B	No	No		No	
ampicillin	No	Yes	500 mg over 3-5 min	Yes	500 mg over 3-5 min
ampicillin/sulbact	No	No		No	
anthymocyte EQUINE	No	No		No	
anthymocyte RABBI	No	No		No	
anti-inhibitor FEIBA	No	No		No	
antihem factor	No	Yes	5 min or less	Yes	5 min or less
antithrombin III	No	No		No	
arginine	No	No		No	
ascorbic acid	No	No		No	
azithromycin	No	No		No	
aztreonam	No	Yes	3 to 5 min	Yes	3 to 5 min
caffeine/sod benzoa	No	No		No	
calcium chloride	No	No		No	
calcium gluconate	No	No		No	
ceFAZolin	No	Yes	3 to 5 min	Yes	3 to 5 min
cefePIME	No	Yes	5 min	Yes	3 to 5 min
cefoTAXime	No	Yes	3 to 5 min	Yes	3 to 5 min
cefOXitin	No	Yes	3 to 5 min	Yes	3 to 5 min
ceftaroline	No	No		No	
cefTAZidime	No	Yes	3 to 5 min	Yes	3 to 5 min
cefTAZidime/avibacta	No	No		No	
ceftolozane/tazobac	No	No		No	

## Nebraska Medicine IV Push Medication Review

Drug Name	Chemotherapy or Mab?	Adults Can Med be administered IV push or < 5 min? (Yes/No)	Adults If Med can be administered IV push, how fast can it be pushed?	Pediatrics Can Med be administered IV push in? (Yes/No)	Pediatrics If Med can be administered IV push, how fast can it be pushed?
cefTRIAxone	No	Yes	100mg/mL over 1 to 4 min	Yes	2 to 4 min (only age >11)
ceFUROXime	No	Yes	3 to 5 min	Yes	3 to 5 min
chloramphenicol	No	Yes	100mg/mL over at least 1 min	Yes	At least 1 min
chlorproMAZINE	No	No		No	
cidofovir	No	No		No	
ciprofloxacin	No	No		No	
clindamycin	No	No		No	
CMV immunoglobulin	No	No		No	
coag factor IX	No	No		No	
coag factor VIIa	No	Yes	2 to 5 min	Yes	2 to 5 min
colistin	No	Yes	3 to 5 min	Yes	3 to 5 min
cosyntropin	No	Yes	2 min	Yes	2 min
cycloSPORINE	No	No		No	
dalbavancin	No	No		No	
dantrolene	No	Yes	Rapid injection, following doses over >1 min	Yes	Rapid injection, following doses over >1 min
DAPTOmycin	No	Yes	2 min	No	
deferoxamine	No	No		No	
defibrotide	No	No		No	
desmopressin	No	Yes, for DI	Rapid injection	Yes, for DI	Rapid injection
dex+granisetron	No	Yes	See individual drugs	Yes	See individual drugs
dex+ondansetron	No	Yes	See individual drugs	Yes	See individual drugs
dex+palonosetron	No	No		No	
dexaMETHasone	No	Yes	4mg/mL or 10mg/mL over 1 min or less	Yes	4mg/mL or 10mg/mL over 1 to 4 min
dihydroergotamine	No	Yes	2 to 3 min	Yes	2 to 3 min
diphenhydrAMINE	No	Yes	25 mg/min or less	Yes	25 mg/min or less
doxyCYCLINE	No	No		No	
edaravone	No	No		No	
ertapenem	No	Yes	5 min	No	
erythromycin	No	No		No	
esomeprazole	No	Yes	3 min or more	No	

## Nebraska Medicine IV Push Medication Review

Drug Name	Chemotherapy or Mab?	Adults Can Med be administered IV push or < 5 min? (Yes/No)	Adults If Med can be administered IV push, how fast can it be pushed?	Pediatrics Can Med be administered IV push in? (Yes/No)	Pediatrics If Med can be administered IV push, how fast can it be pushed?
ethacrynic acid	No	Yes	Several minutes	Yes	Several minutes
famotidine	No	Yes	2 min or more	Yes	10mg/min or less over at least 2 min
ferric carboxymaltos	No	Yes	100 mg/min	No	
ferric gluconate Na	No	No		No	
ferumoxytol	No	No		No	
fluconazole	No	No		No	
folic acid	No	Yes	5 mg or less over at least 1 min	Yes	5 mg or less over at least 1 min
fomepizole	No	No		No	
fosaprepitant	No	No		No	
foscarnet	No	No		No	
fosphenytoin	No	No		No	
furosemide	No	Yes	20 to 40 mg/min	Yes	0.5 mg/kg/min (not to exceed 4 mg/min)
gancyclovir	No	No		No	
gentamicin	No	Yes	3 min	Yes	5 min
granisetron	No	Yes	30 sec	Yes	30 sec
Hep B IGG	No	No		No	
human PCC (Kcentra)	No	No		No	
hydrocortisone	No	Yes	Less than 500 mg over at least 30 sec	Yes	Less than 500 mg over at least 30 sec
ibutilide	No	No		No	
imipenem/cilastatin	No	No		No	
immune glob (IVIg)	No	No		No	
iron DEXTRAN	No	Yes	50 mg/min	Yes	50 mg/min
iron SUCROSE	No	Yes	200 mg or less over 2 to 5 min	Yes	5 min
isavuconazonium	No	No		No	
ketamine	No	Yes	1 min or 0.5 mg/kg/min	Yes	1 min (not to exceed 0.5 mg/kg/min)
lacosamide	No	No		No	
levETIRAcetam	No	Yes	5 min	Yes	5 min for ages 4 and up
levOCARNitine	No	Yes	2 to 3 min	Yes	2 to 3 min

## Nebraska Medicine IV Push Medication Review

Drug Name	Chemotherapy or Mab?	Adults Can Med be administered IV push or < 5 min? (Yes/No)	Adults If Med can be administered IV push, how fast can it be pushed?	Pediatrics Can Med be administered IV push in? (Yes/No)	Pediatrics If Med can be administered IV push, how fast can it be pushed?
levoFLOXacin	No	No		No	
lidocaine	No	Yes	25 to 50 mg/min	Yes	50 mg/min or 0.7 mg/kg/min
linezolid	No	No		No	
magnesium sulfate	No	No		No	
mannitol	No	No		No	
meropenem	No	Yes	3 to 5 min	Yes	3 to 5 min for ages 3 and older
methylene blue	No	Yes	5 min	Yes	5 min
methyIPREDNISolone	No	No		No	
metoclopramide	No	Yes	1 to 2 min	Yes	1 to 2 min
metronidazole	No	No		No	
micafungin	No	No		No	
mycoPHENOLate	No	No		No	
nafcillin	No	Yes	5 min	Yes	5 min
octreotide	No	Yes	3 min	Yes	3 min
ondansetron	No	Yes	At least 30 sec, preferred over 2 to 5 min	Yes	2 to 5 min
oxacillin	No	No		No	
pamidronate	No	No		No	
pantoprazole	No	Yes	4 mg/mL over 2 min	Yes	4 mg/mL over 2 min
patisiran	No	No		No	
pegloticase	No	No		No	
Penicillin G	No	No		No	
pentamidine	No	No		No	
PENTobarbital	No	No		No	
peramivir	No	No		No	
PHENobarbital	No	No		No	
phenytoin	No	No		No	
phytonadione	No	No		No	
piperacillin/tazo	No	No		No	
polymyxin B	No	No		No	
posaconazole	No	No		No	
potassium chloride	No	No		No	

## Nebraska Medicine IV Push Medication Review

Drug Name	Chemotherapy or Mab?	Adults Can Med be administered IV push or < 5 min? (Yes/No)	Adults If Med can be administered IV push, how fast can it be pushed?	Pediatrics Can Med be administered IV push in? (Yes/No)	Pediatrics If Med can be administered IV push, how fast can it be pushed?
potassium phosphate	No	No		No	
pralidoxime	No	No		No	
procainamide	No	No		No	
prochlorperazine	No	No		No	
promethazine	No	No		No	
protamine sulfate	No	No		No	
quinu/dalfo-Synercid	No	No		No	
raNITidine	No	Yes	25 mg/min or over 2 min	Yes	10 mg/min over at least 5 min
RaNITidine+diphenhyd	No	Yes	See individual drugs	Yes	See individual drugs
rasburicase	No	No		No	
rifAMPin	No	No		No	
sargramostim	No	No		No	
sodium bicarbonate	No	No		No	
sodium phos	No	No		No	
sodium thiosulfate	No	No		No	
sulfameth/trimeth	No	No		No	
tacrolimus	No	No		No	
thiamine	No	Yes	100 mg over 5 min	Yes	100 mg over 5 min
tigecycline	No	No		No	
tobramycin	No	No		No	
tranexamic acid	No	Yes	100 mg/min over 5 min	Yes	100 mg/min over 5 min
valproate sodium	No	No		No	
vancomycin	No	No		No	
voriconazole	No	No		No	
zidovudine	No	No		No	
zoledronic acid	No	No		No	

Last updated 4/27/2020

\*The above list includes medications on formulary at Nebraska Medicine that are listed in the intermittent infusion pump library. Chemotherapy and monoclonal antibodies were excluded from the review.

**References:**

1. Lexicomp Online, Lexi-Drugs Online, Hudson, Ohio: Wolters Kluwer Clinical Drug Information, Inc.; Accessed April 15, 2020.
2. ASHP's Interactive Handbook on Injectable Drugs, American Society of Health-System Pharmacists; Access April 15, 2020