

NEAR-MISS ERRORS

1

Wrong Dose

5mL of Human albumin 5% (0.25g) was prescribed instead of the **intended dose 20g/day** for Hepatorenal Syndrome.

Possible reason for the error:

Not specifying the dose while ordering & Unfamiliarity with **different formulations** available.

Formulations available:

Inj **5%** (250mL) (12.5g/vial) →

Inj **20%** (50mL) (10g/vial)



How to avoid:

1. Refer HCTM formulary app

(QR below) to check for different formulations.

1. Decide if **5%** or **20%** strength is needed.

2. Type in the proper amount of units (grams) needed

For example,

If 20 g is intended → Choose **Inj 20%** and type in **100 mL** since 1 vial of 50mL = 10 g (include grams intended in the **intake action**)

What strength to choose?

	5%	20%
Primary use	Iso-oncotic colloid for volume resuscitation	Hyper-oncotic solution used to recruit endogenous extracellular fluid into blood vessels rather than adding volume.
When to Use	- Hypovolemic / Hemorrhagic shock - Therapeutic plasmapheresis	- Liver cirrhosis with ascites - Large-volume paracentesis - Hepatorenal syndrome with cirrhosis

2

Wrong Drug

Amantadine 1g BD was prescribed when **Sulfasalazine 1g BD** was intended

Possible reason for the error:

Unfamiliarity and insufficient checking

Possible consequence:

Patient will still have joint pain, tenderness, swelling, experience agitation etc.

	Amantadine	Sulfasalazine
Drug class	- Adamantane derivative - Dopaminergic agent	- Sulfonamide derivative - Disease-modifying antirheumatic drug (DMARD)
Primary Indication	- Parkinson's disease - Drug-induced extrapyramidal symptoms (EPS)	- Rheumatoid arthritis (RA) - Ulcerative colitis (UC)
Common dosing	100mg BD, Max: 400mg daily (Parkinson's)	2000-3000mg daily in divided doses



Amantadine - For Parkinson's Sulfasalazine-For R.A.

How to avoid:

1. Check HCTM formulary app for the drug indication.
2. Take note of the **indication** and **drug chosen** before submitting.



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Source: Alejandro Campos et.al, Albumin Colloid, National Library of Medicine, 2024 & Albumin Administration Recommendations, ORBCON, 2012.

HCTM Formulary App is on...



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