

MED-ERROR BULLETIN

Strives to promulgate preventable medication errors amongst healthcare professionals

Brought to you by Pharmacy Department, HCTM
Volume 3, September 2021

WRONG DOSE (TRANSCRIBING ERROR)

ugs	F/NF	Duration	D'psed	Bal	Dosage
RHD GAMMAGLOBULIN 250UG/2ML (1250I	* F *	1 days	1	0	250.0UG
RHD GAMMAGLOBULIN 250UG/2ML (1250I	* F *	1 days	1	0	1500.0UG

Rhesus -ve mother who delivered a Rhesus +ve baby was prescribed current brand Anti-RHD Gammaglobulin (**Rhesonativ**) **7500IU/1500µg** instead of **1250IU/250µg** as postnatal prophylaxis within 72 hours post delivery.

This error occurred as medical personnel assumed previous brand of Anti-RHD Gammaglobulin (**Rhogum**) still been used which comes in **1500IU/300µg**. Hence, mistakenly thought **1500µg** as **1500IU**.

POTENTIALS

Drug wastage,
money waste



- 250µg (1 vial) = RM268.68
- **1500µg (6 vials) = RM 1612.08**

Hemolytic reactions

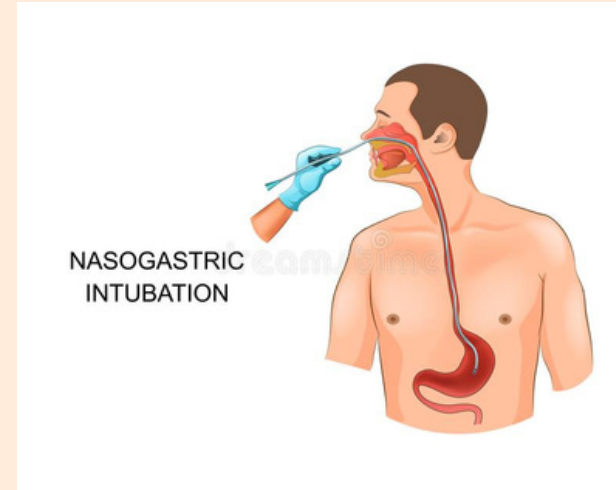


Reported cases occur in overdosed patients

HOW CAN WE AVOID ?

- Do check PPUKM Formulary App.
- Do not hesitate to consult our friendly inpatient pharmacists at (EXT 5814/5717) on the latest brand been used.

WRONG DRUG (TRANSCRIBING ERROR)



Patient on Ryles tube was prescribed Tab. Pantoprazole 40mg OD instead of Tab. Esomeprazole 20mg OD.

POTENTIALS

- Pantoprazole (as sodium sesquihydrate) peak plasma concentration is similar as the tablet administered orally, but bioavailability is **reduced to 75%** of oral equivalent when given through Ryles tube.
- Tab. Esomeprazole bioavailability is good & compatible for Ryles tube feeding when given one hour before meal.

HOW CAN WE AVOID ?

- If is PPI indicated, to switch to Tab. Esomeprazole 20mg OD.
Tab. Pantoprazole 40mg = Tab. Esomeprazole 20mg
- Tab. Esomeprazole can be dispersed in half a glass of non-carbonated water. No other liquids should be used as the enteric coating may be dissolved. Stir until the tablets disintegrate and the liquid with the pellets must be consumed immediately or within 30 minutes.

WRONG FORMULATION (TRANSCRIBING ERROR)



Seretide Evohaler 25mcg /125mcg
Usual dose: 2 puffs BD
(Metered-Dose Inhaler)



Seretide Accuhaler 50mcg /500mcg
Usual dose: 1 puff BD
(Dry powder inhaler)

A COPD adult patient was ordered for Seretide Evohaler 25mcg/125mcg 2 puffs BD as patient has poor inhalation technique, hence needs evohaler to be compatible with aerochamber but was mistakenly prescribed as Seretide **Accuhaler** 50mcg /500mcg 2 puffs BD which is **incompatible** with aerochamber.



POTENTIALS

- Aerochamber cannot be used for Accuhaler (dry powder).
- Patient could not achieve the best therapeutic benefit.
- Drug wastage once opened & inhaled, cannot be shared between patients.
- Seretide Accuhaler 50/500 mcg per unit (60 doses) : **RM62.37**.

HOW CAN WE AVOID ?

Drug Description	Duration	Dosage	Unit	Freq	Status	Intake Action	Route
%SERETIDE%	days						
LIST OF DRUGS							
Drug Description	Trade Name	Status					
SALMETEROL 25UG/FLUTICASON 125UG EVOHALER (SERETIDE 25/125) (SF)	SERETIDE 25/125 EVOHALER (SF)						
SALMETEROL 25UG/FLUTICASON 50UG EVOHALER (SERETIDE)	SERETIDE 25/50 EVOHALER (NF)						
SALMETEROL 50UG/FLUTICASON 250UG ACCUHALER 60 DOSES (SERETIDE 50/250 ACCUHALER (SF)	SERETIDE 50/250 ACCUHALER (SF)						
SALMETEROL 50UG/FLUTICASON 500UG ACCUHALER (SERETIDE) (NF)	SERETIDE 50/500 ACCUHALER						

- Do check with the Respiratory Team and Pharmacists.
- Do ensure to select the correct formulation when selecting from the drop-down medication selection list.

- UpToDate 2021
- Yoham AL, Casadesus D. Rho(D) Immune Globulin. [Updated 2021 May 27]. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing Jan 2021
- MIMS 2021
- <https://www.nice.org.uk/guidance/cg184/chapter/appendix-a-dosage-information-on-proton-pump-inhibitors>
- Ferron GM, Ku S, Abell M, et al. Oral bioavailability of pantoprazole suspended in sodium bicarbonate solution. Am J Health Syst Pharm 2003; 60(13): 1324-1329.
- Esomeprazole administered through a nasogastric tube provides bioavailability similar to oral dosing. Alimentary Pharmacology & Therapeutics (2003) <http://doi.org/10.1046/j.1365-2036.2003.01655>

Editors

Lydia Gan
lydiagan@ppukm.ukm.edu.my

Nur Ammal binti Mohd Farit
ammalfarit@ppukm.ukm.edu.my

Co Editor

Lau Chee Lan
cllau@ppukm.ukm.edu.my

PDF version of this bulletin
can be found at

<https://hctm.ukm.my/farmasi/>
#TowardsZeroMed-Error

This ME Bulletin is an intellectual property of PPUKM Pharmacy Department. All rights reserved. No part of this document may be reproduced, stored in the retrieval system or transmitted in any form by any means of electronic, mechanical, photocopying, recording or otherwise without prior written permission from PPUKM Pharmacy Department. Any use of the event names, photos or concepts presented in this document without an advanced written permission would be considered a violation of copyright.

PPUKM DRUG FORMULARY
NOW AVAILABLE ON :

