

Medication Error Bulletin

Strives to promulgate preventable medication errors amongst healthcare professionals

Brought to you by Pharmacy Department, HCTM

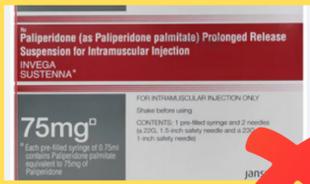
Volume 8, December 2022



Wrong Dose

Consequences ⚠️

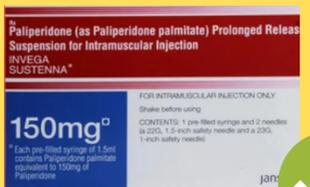
- Suboptimal treatment of Schizophrenia (hallucination & delusion).
- **Increased cost, RM300** (to top up another 75mg).



Invega sustenna 75mg

How to Avoid? 🛑

- Always **double check dose** before medication is served.
- Check with our friendly pharmacists or PPUKM Formulary App.



Invega sustenna 150mg

33yo, Male, 70kg

Dx : Schizophrenia

Rx : IM Invega Sustenna 75mg was served instead of 150mg OD

IM Invega sustenna
150mg intended

IM Invega sustenna
75mg served instead

Initial loading doses of 150mg at deltoid region is recommended to achieve therapeutic plasma concentrations rapidly for this patient. Otherwise, steady state may not be reached until 4-5 months after commencing treatment. When patient is only served with the dose of IM Sustenna 75mg, it is **subtherapeutic and patient is unable to attain therapeutic efficacy.**

INVEGA SUSTENNA [(paliperidone palmitate) Extended-Release Injectable Suspension] [Prescribing Information]. Titusville, NJ: Janssen Pharmaceuticals, Inc; https://medicalknowledge.veeva.com/us/approved_viewer?token=7994-54c77f6c-5e50-48f5-a605-24e8c50 Samtani MN, Gopal S, Gasmann-Mayer C, et al. Dosing and switching strategies for paliperidone palmitate: based on population pharmacokinetic modelling and clinical trial data. CNS Drugs. 2018;25:824-845. [PubMed] [Google Scholar]

66 year, Male

- Dx : COPD GOLD D MMRC 3 with >2 moderate exacerbation episodes & >1 hospitalizations.
- On Long term oxygen therapy at home ~ 16 hours

Indented MDI Salbutamol 2 puff TDS, Spiolto respimet 2 puffs od but patient's previous inhaled corticosteroid (MDI Foster) not given despite **raised eosinophil count of >300 cell/microlitre.**

Missed Medication

Consequences ⚠️

- **Suboptimal** treatment of COPD.
- **Prolonged** hospital stay.
- Risk of **infections.**

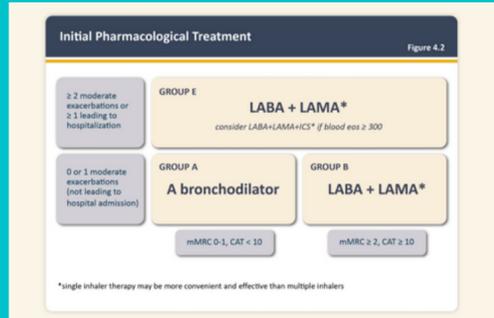
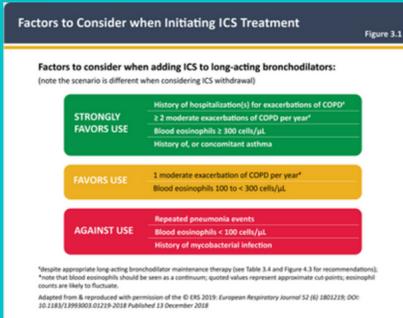
How to Avoid? 🛑

- Monitor patient condition closely & **eosinophil counts to justify ICS use**
- Refer to latest guidelines eg: GOLD 2023



MDI Foster

Shelf life of **2 months** once removed from the fridge



Global Initiative for Chronic Obstructive Lung Disease (GOLD). Guidelines 2023

Contraindication

Consequences ⚠️

- Risk of postural **hypotension** leading to **falls**

How to Avoid? 🛑

- Monitor patient BP closely

ONLY



75 yo, Male

Dx : Hypertension, current BP: 128/74

Rx : Tab Prazosin 2mg tds

Alpha Blockers are **not recommended as monotherapy** for hypertension. Besides, alpha blocker will exacerbate postural hypotension in the elderly leading to falls.

The antihypertensive and Lipid Lowering treatment to prevent heart attack (ALLHAT) trial showed **worse outcome** compared to other hypertension treatment.

Antihypertensive and Lipid-Lowering Treatment to Prevent Heart Attack Trial Collaborative Research Group. Diuretic versus alpha-blocker as first-step antihypertensive therapy: final results from the Antihypertensive and Lipid-Lowering Treatment to Prevent Heart Attack Trial (ALLHAT). Hypertension. 2003 Sep;42(3):239-46. doi: 10.1161/01HYP.0000086521.456305A. Epub 2003 Aug 18. PMID: 12925554

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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

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