

MONOFER (FERRIC DERISOMALTOSE AKA IRON ISOMALTOSIDE)

HCTM's NEW NON-FORMULARY & PARENTERAL IRON THERAPY DRUG

What is Monofer?

Active ingredient: Ferric derisomaltose

Category: Non-Formulary

Price: Rm338.20/vial



Existing Parenteral Iron Therapy

NEW!

	Venofer	Cosmofer	Monofer
Active ingredient	Iron Sucrose	Iron Dextrose	Ferric Derisomaltose
mg/vial	100	100	500
Price/vial	RM9.70	RM18.75	RM338.20
Policy	For patients infused in HCTM	For Nephro patients, infused in HCTM	Must be bought from NF Pharmacy

*For outpatients, hospital charges apply

How is Monofer different from Venofer and Cosmofer?

Offers Convenience

- Single dose up to 20mg/kg - no other dose limits
- No test dose required
- Infusion time of only 15 mins (for doses < 1g)

In Pregnancy & Lactation...

- Monofer should not be used during the first trimester. Iron deficiency anaemia occurring in the first trimester of pregnancy can, in most cases, be treated with oral iron.
- Monofer use should be confined to second and third trimesters.
- There is no available information on the excretion of Monofer in the human breast milk

Administration Comparison between Existing Parenteral Iron Therapy Drugs

	Venofer	Cosmofer	Monofer
Total dose infusion(TDI)	✗	✓	✓
Max single dose (per week)	7mg/kg or 500mg	20mg/kg	20mg/kg
Infusion time	TDI in 4-6hours	TDI in 4-6hours	TDI in at least 15 mins(dose<1g) TDI in at least 30 mins (dose>1g)
Test dose needed	✓	✓	✗

Dose & Administration

The dose calculation is the same as for Venofer, Cosmofer & Monofer : *Please refer to our formulary app*

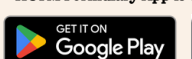
Monofer® should be added to **100ml sterile 0.9% sodium chloride**. Do not dilute in more than 500ml.

EVERY PATIENT MUST BE OBSERVED FOR ADVERSE EFFECTS FOR AT LEAST 30 MINUTES FOLLOWING EACH MONOFER INFUSION.

The tables below provide information on the administration & preparation of Monofer® (iron isomaltoside 1000) for a range of doses.

Iron dose	Minimum administration time	Monofer® (iron isomaltoside 1000)				
		Maximum weekly dose = 20mg iron/kg body weight				
		Dose	500mg	1,000mg	1,500mg	2,000mg
≤1000mg	20 minutes	Dose (volume) of 100mg/ml vial	500mg (5ml)	1,000mg (10ml)	1,500mg (15ml)	2,000mg (20ml)
		Infusion fluid	100ml sodium chloride 0.9%*			
> 1000mg	≥30minutes	Drug concentration	5mg/ml	10mg/ml	15mg/ml	20mg/ml

HCTM Formulary App is on...



1. Monofer® SPC – Electronic Medicines Compendium, November 2015.

2. Sugimura M, Ohtani Y, Tamai S, et al. Ferric derisomaltose for the treatment of iron deficiency anemia with postpartum hemorrhage: Results of a single-arm, open-label, phase 3 study in Japan. J Obstet Gynaecol Res. 2023;49:946–55.

3. Protocol of infusion of Monofer, GGC protocol, July 2020.

4. Intravenous Iron Infusion In Pregnancy (Monofer), GIG CYMRU NHS Wales, May 2021, pf 5.

Prescribing ARBs separately

ATTENTION!



HCTM no longer purchases combination drug items of
Angiotensin Receptor Blockers !
(except for Co-Diovan Tablet (Valsartan/Hydrochlorothiazide))



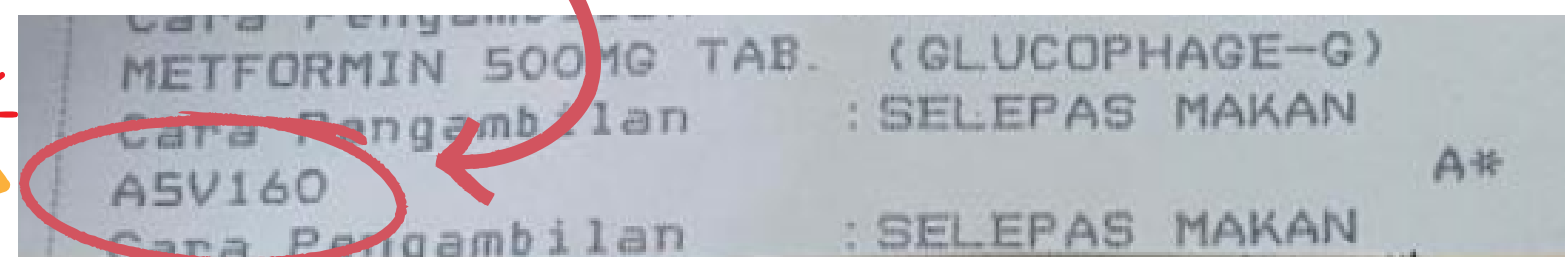
SO please indent ARBs separately!

Implication:

Once the drug is not available in the Formulary, the previous medication history will not list down the actual drug name but only a code will appear.

Action:

Specialist/ Doctors are requested to re-prescribe individual drug names so medication records can be recorded appropriately in the prescribing system.



For example, if a patient was previously prescribed with **EXFORGE 5mg/80mg tablets** (Amlodipine 5mg/Valsartan 80mg), it now has to be indented separately:

1. Amlodipine 5 mg 1 tab OD 2. Valsartan 80mg 1 tab OD

Drug class examples that were combined in one tablet



ARBs

→ Irbesartan, Losartan, Telmisartan, Valsartan

CCBs

→ Amlodipine

Diuretics

→ Hydrochlorothiazide

Please *re prescribe ARB combination drugs individually for accurate medication record:*

1. CHECK if the patient is on any Combination Drug containing ARB

1. If a code (e.g T40A5) appears on the screen after copying and pasting the prescription, please DELETE the drug

1. PRESCRIBE the drugs again in the combination SEPARATELY (e.g Telmisartan 40mg/ Amlodipine 5mg → Telmisartan 40mg on one line and Amlodipine 5mg on a different line).

Antihypertensive Combination Drugs Affected (with ARBs):

List of Combi Drugs containing ARBs	Drug combination content	Drugs that need to be prescribed separately
Exforge	Amlodipine + Valsartan	<ul style="list-style-type: none"> Amlodipine Valsartan
Exforge HCT	Amlodipine+Valsartan+Hydrochl orothiazide (HCTZ)	<ul style="list-style-type: none"> Amlodipine Valsartan Hydrochlorothiazide
Twynsta	Telmisartan + Amlodipine	<ul style="list-style-type: none"> Telmisartan Amlodipine
Coaprovel	Irbesartan + HCTZ	<ul style="list-style-type: none"> Irbesartan Hydrochlorothiazide
Micardis Plus	Telmisartan + HCTZ	<ul style="list-style-type: none"> Telmisartan Hydrochlorothiazide
Hyzaar & Fortzaar	Losartan + HCTZ	<ul style="list-style-type: none"> Losartan Hydrochlorothiazide
Cozaar XQ	Amlodipine + Losartan	<ul style="list-style-type: none"> Amlodipine Losartan

HCTM Formulary App is on...



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