

# Itraconazole brand change on SA Medicines Formulary

## Prescribing Information for Paediatric Patients

### **Background:**

Itraconazole is used for the prevention and treatment of fungal infections. Lozanoc® is a new formulation of itraconazole capsule with some advantages over Sporanox®.

- It has a more consistent and improved absorption profile with less variability between patients
- It can be taken with or without food.
- Absorption is not affected by stomach pH

### **Availability/Formulary Listing:**

The brand of itraconazole capsules on the SA Medicines Formulary will be changed from Sporanox® to Lozanoc®. Sporanox® oral solution will remain available.

### **Bioequivalence:**

Lozanoc® 50mg capsules, Sporanox® 100mg capsules and Sporanox® 10mg/mL oral solution **are NOT interchangeable.**

- Lozanoc® 50mg capsule is therapeutically equivalent to Sporanox® 100mg capsule.
- Sporanox® 100mg capsule is approximately equivalent to Sporanox® oral solution 50 mg (5 mL).
- The bioavailability from the Sporanox® oral solution taken in the fasting state is 60% higher than from a Sporanox® capsule taken with a meal.

### **Dosing:**

There are no current dosing recommendations for paediatric patients for the Lozanoc® formulation.

- If a patient is on a therapeutic dose of Sporanox® capsules, the dose should be **halved** when changed to Lozanoc® capsules.
- WCHN Infectious Diseases and Pharmacy Departments recommend a starting dose of 2-3mg/kg/day Lozanoc® (to the nearest 50mg) for itraconazole naïve patients. Max dose 200mg daily or 100mg twice daily.

### **Therapeutic drug monitoring (TDM):**

**TDM should be performed for ALL patients that are:**

- Changed from Sporanox® capsules to the Lozanoc® capsules
- Changed from Sporanox® solution to Lozanoc® capsules
- Commenced on itraconazole (any formulation); should occur after patient has taken for at least 7 days

**NOTE: Itraconazole MUST be prescribed by brand name and formulation.**

	Lozanoc® Capsules	Sporanox® Capsules	Sporanox® Oral Liquid
<b>SA Medicines Formulary</b>	Yes	No	Yes
<b>Food</b>	Can be given with or without food	Take with food (not rice)	Take at least 1hr before or 2hrs after food
<b>Antacids, Proton Pump Inhibitors &amp; H2 Antagonists</b>	Can be given without affecting absorption	Avoid taking within 2 hours of the dose.	Can be given without affecting absorption

For more information contact:

Your hospital pharmacist or

**SA Pharmacy Medicines Information Service  
Obstetric and Paediatric (08) 8161 7222**

© Department for Health and Ageing, Government of South Australia.

All rights reserved.