

## **Granisetron (solution, tablets)**

### **Core Safety Profile**

#### **4.3 Contraindications**

Hypersensitivity to the active substance or to any of the excipients.

#### **4.4 Special warnings and precautions for use**

As granisetron may reduce lower bowel motility, patients with signs of sub-acute intestinal obstruction should be monitored following its administration.

As for other 5-HT<sub>3</sub> antagonists, ECG changes including QT interval prolongation have been reported with granisetron. In patients with pre-existing arrhythmias or cardiac conduction disorders this might lead to clinical consequences. Therefore caution should be exercised in patients with cardiac co-morbidities, on cardiotoxic chemotherapy and/or with concomitant electrolyte abnormalities (see section 4.5).

Cross-sensitivity between 5-HT<sub>3</sub> antagonists (e.g. dolasteron, ondansetron) has been reported.

Patients with rare hereditary problems of galactose intolerance, lactase deficiency or glucose-galactose malabsorption should not take this medicine.

#### ***Paediatric population (text valid for tablets only)***

There is insufficient clinical evidence to recommend administration of these tablets to children.

#### **4.5 Interaction with other medicinal products and other forms of interaction**

As for other 5-HT<sub>3</sub> antagonists, cases of ECG modifications including QT prolongation have been reported with granisetron. In patients concurrently treated with medicinal products known to prolong QT interval and/or which are arrhythmogenic, this may lead to clinical consequences (see section 4.4).

In studies in healthy subjects, no evidence of any interaction has been indicated between granisetron and benzodiazepines (lorazepam), neuroleptics (haloperidol) or anti-ulcer medicinal products (cimetidine). Additionally, granisetron has not shown any apparent medicinal product interaction with emetogenic cancer chemotherapies.

No specific interaction studies have been conducted in anaesthetised patients.

#### **4.6 Fertility, pregnancy and lactation**

##### **Pregnancy**

There is limited amount of data from the use of granisetron in pregnant women. Animal studies do not indicate direct or indirect harmful effects with respect to reproductive toxicity (see section 5.3). As a precautionary measure, it is preferable to avoid the use of granisetron during pregnancy.

##### **Breastfeeding**

It is unknown whether granisetron or its metabolites are excreted in human milk. As a precautionary measure, breast-feeding should not be advised during treatment with granisetron.

#### Fertility

In rats, granisetron had no harmful effects on reproductive performance or fertility.

### 4.7 Effects on ability to drive and use machines

Granisetron has no or negligible influence on the ability to drive and use machines.

### 4.8 Undesirable effects

#### Summary of the safety profile

The most frequently reported adverse reactions for Granisetron are headache and constipation, which may be transient. ECG changes including QT prolongation have been reported with Granisetron (see sections 4.4 and 4.5).

#### Tabulated list of adverse reactions

The following table of listed adverse reactions is derived from clinical trials and post-marketing data associated with Granisetron and other 5-HT<sub>3</sub> antagonists. Frequency categories are as follows:

Very common:  $\geq 1/10$ ;

Common  $\geq 1/100$  to  $< 1/10$ ;

Uncommon  $\geq 1/1,000$  to  $< 1/100$

Rare ( $\geq 1/10,000$  to  $< 1/1,000$ )

Very rare ( $< 1/10,000$ )

<b>Immune system disorders</b>	
<i>Uncommon</i>	Hypersensitivity reactions e.g. anaphylaxis, urticaria
<b>Psychiatric disorders</b>	
<i>Common</i>	Insomnia
<b>Nervous system disorders</b>	
<i>Very common</i>	Headache
<i>Uncommon</i>	Extrapyramidal reactions
<b>Cardiac disorders</b>	
<i>Uncommon</i>	QT prolongation
<b>Gastrointestinal disorders</b>	
<i>Very common</i>	Constipation
<i>Common</i>	Diarrhoea
<b>Hepatobiliary disorders</b>	
<i>Common</i>	Elevated hepatic transaminases*
<b>Skin and subcutaneous tissue disorders</b>	
<i>Uncommon</i>	Rash

\*Occurred at a similar frequency in patients receiving comparator therapy

Description of selected adverse reactions

As for other 5-HT<sub>3</sub> antagonists, ECG changes including QT prolongation have been reported with granisetron (see sections 4.4 and 4.5).

#### **4.9 Overdose**

There is no specific antidote for Kytril. In the case of overdose with the tablets, symptomatic treatment should be given. Doses of up to 38.5 mg of Kytril as a single injection have been reported, with symptoms of mild headache but no other reported sequelae.