PMDA Alert for Proper Use of Drugs

Pharmaceuticals and Medical Devices Agency

No. 5 December 2011

This English version is intended to be a reference material to provide convenience for users. In the event of inconsistency between the Japanese original and this English translation, the former shall prevail.

Periodic blood tests and symptom checks should be performed for prevention and early detection of agranulocytosis associated with the antithyroid drug thiamazole.



• to inform physicians of use of thiamazole when seeking medical attention!

Alerts against thiamazole-induced agranulocytosis are included in Dear Healthcare Professional Letters of Rapid Safety Communications (Blue Letter) issued in February 2004 and the WARNINGS section of package inserts. However, agranulocytosis is still reported as adverse reactions. In some cases, periodic blood tests were not performed or the treatment of thiamazole was continued despite decreasing WBC/neutrophil count or related symptoms. (See Case 1 and 2 on page 2/3.)



© Ensure periodic blood tests and advise patients to check related symptoms.



See "WARNINGS" and "Important Precautions" sections of package insert for blood test and symptom check.

Package insert: Blood test and symptom check

[WARNINGS]	[PRECAUTIONS]
1. Serious agranulocytosis has been reported especially	
within the first 2 months of initial administration, leading	(1) Patients with hepatic disorder [Hepatic disorder may be
fatal outcomes in some cases. Blood tests including	aggravated]
differential leukocyte counts should be performed once 2 weeks in principle for at least first 2 months after	(2) Patients with moderate to severe leukocytopenia of
administration, and periodically even after 2 months. If	other blood disorders [Leukocytopenia or blood disorders
abnormalities such as decreasing tendency of granuloc	
observed, administration of this drug should be discont	
immediately, and appropriate measures should be take	en. If (1) If administration of this drug is newly started, serious
the administration of this drug is resumed after suspen	
the same cautions should be exercised. (See the "Impo	rtant especially within the first 2 months of administration. This
Precautions" section.)	drug should be administered only to patients who are considered eligible based on the thorough review of the
	efficacy and safety of this drug.
2. Prior to administration of this drug, patients should b	(2) If the WBC is within the normal range but decreasing,
informed of possible adverse reactions such as	administration of this drug should be discontinued
agranulocytosis and required blood tests. Patients sho instructed:	uld be immediately, and appropriate measures should be taken.
(1) to consult their physician immediately if any sympto	oms of 3. Adverse Reactions
agranulocytosis (e.g., pharynx pain and pyrexia) occur.	(1) Clinically significant adverse reactions
(2) to visit the hospital once every 2 weeks in principle	for at *1) Pancytopenia, aplastic anaemia, agranulocytosis, and
least first 2 months of initial administration since period	lical leukopenia (incidence unknown): Pancytopenia, aplastic
blood tests are required.	anaemia, agranulocytosis, or leukopenia (initial symptoms include pyrexia, general malaise, and pharynx pain) may
	occur. Patients should be carefully monitored, and if any
	abnormalities are observed, administration of this drug
	should be discontinued, and appropriate measures should
	be taken.

(See the "WARNINGS" section.)

As of December 2011

[Product name (Name of Marketing Authorization Holder)] MERCAZOLE Tablet 5 mg, MERCAZOLE Injection 10 mg (Chugai Pharmaceutical Co., Ltd.)

See information on the precautions related to MERCAZOLE, including agranulocytosis, at the Pharmaceutical and Medical Devices Information website http://www.info.pmda.go.jp/psearch/html/menu_tenpu_base.html (In Japanese)

About this information

- * "PMDA Alert for Proper Use of Drugs" communicates to healthcare providers with clear information from the perspective of promoting the proper use of drugs. The information presented here includes such cases where the reporting frequencies of similar reports have not decreased despite relevant alerts provided in package inserts, among Adverse Drug Reaction/infection cases reported in accordance with the Pharmaceutical Affairs Law.
- * We have tried to ensure the accuracy of this information at the time of its compilation but do not guarantee its accuracy in the future.
- * This information is not intended to impose constraints on the discretion of healthcare professionals or to impose obligations and responsibilities on them, but is provided to promote the proper use of drugs.



Email: safety.info@pmda.go.jp Contact: Office of Safety II