

WHO Pharmaceuticals NEWSLETTER

2018 No. **4**

WHO Vision for Medicines Safety No country left behind: worldwide pharmacovigilance for safer medicines, safer patients

The aim of the Newsletter is to disseminate regulatory information on the safety of pharmaceutical products, based on communications received from our network of national pharmacovigilance centres and other sources such as specialized bulletins and journals, as well as partners in WHO.

The information is produced in the form of résumés in English, full texts of which may be obtained on request from:

Safety and Vigilance: Medicines,

EMP-HIS, World Health Organization, 1211 Geneva 27, Switzerland, E-mail address: pvsupport@who.int

This Newsletter is also available at: http://www.who.int/medicines

The WHO Pharmaceuticals Newsletter provides you with the latest information on the safety of medicines and legal actions taken by regulatory authorities around the world. It also provides signals based on information derived from the WHO global database of individual case safety reports, VigiBase.

This newsletter includes the latest news from the Smart Safety Surveillance (3S) project.

Contents

Regulatory matters

Safety of medicines

Signal

Feature

© World Health Organization 2018

Some rights reserved. This work is available under the Creative Commons Attribution-NonCommercial-ShareAlike 3.0 IGO licence (CC BY-NC-SA 3.0 IGO; https://creativecommons.org/licenses/by-nc-sa/3.0/igo).

Under the terms of this licence, you may copy, redistribute and adapt the work for non-commercial purposes, provided the work is appropriately cited, as indicated below. In any use of this work, there should be no suggestion that WHO endorses any specific organization, products or services. The use of the WHO logo is not permitted. If you adapt the work, then you must license your work under the same or equivalent Creative Commons licence. If you create a translation of this work, you should add the following disclaimer along with the suggested citation: "This translation was not created by the World Health Organization (WHO). WHO is not responsible for the content or accuracy of this translation. The original English edition shall be the binding and authentic edition".

Any mediation relating to disputes arising under the licence shall be conducted in accordance with the mediation rules of the World Intellectual Property Organization.

Suggested citation. WHO Pharmaceuticals Newsletter No.4, 2018: World Health Organization; 2018. Licence: CC BY-NC-SA 3.0 IGO.

Cataloguing-in-Publication (CIP) data. CIP data are available at http://apps.who.int/iris.

Sales, rights and licensing. To purchase WHO publications, see http://apps.who.int/bookorders. To submit requests for commercial use and queries on rights and licensing, see http://www.who.int/about/licensing.

Third-party materials. If you wish to reuse material from this work that is attributed to a third party, such as tables, figures or images, it is your responsibility to determine whether permission is needed for that reuse and to obtain permission from the copyright holder. The risk of claims resulting from infringement of any third-party-owned component in the work rests solely with the user.

General disclaimers. The designations employed and the presentation of the material in this publication do not imply the expression of any opinion whatsoever on the part of WHO concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted and dashed lines on maps represent approximate border lines for which there may not yet be full agreement.

The mention of specific companies or of certain manufacturers' products does not imply that they are endorsed or recommended by WHO in preference to others of a similar nature that are not mentioned. Errors and omissions excepted, the names of proprietary products are distinguished by initial capital letters.

All reasonable precautions have been taken by WHO to verify the information contained in this publication. However, the published material is being distributed without warranty of any kind, either expressed or implied. The responsibility for the interpretation and use of the material lies with the reader. In no event shall WHO be liable for damages arising from its use.

TABLE OF CONTENTS

Regulatory Matters

	Amiodarone	. 5
	Benzocaine	. 5
	Cladribine	. 5
	Clarithromycin	. 5
	Daclizumab	. 6
	Darunavir	. 6
	Dasatinib	. 6
	Denosumab	. 6
	Dipeptidyl peptidase-4 (DPP-4) Inhibitor	. 7
	Eftrenonacog alfa	. 7
	Everolimus	. 7
	Fluoroquinolone antibiotics	. 7
	Granulocyte-colony stimulating factor (G-CSF) drugs	. 8
	Hydroxyethyl starch solution	. 8
	Ibrutinib	. 8
	Immunosuppressive medicines (azathioprine, ciclosporin, tacrolimus)	. 8
	Infliximab	. 9
	Metronidazole	. 9
	Pembrolizumab	. 9
	Tosufloxacin	. 9
	Valsartan	. 9
S	afety of medicines	
	Canagliflozin	11
	Clozapine	
	Dolutegravir	
	Erythropoietins	
	Gadolinium based contrast agents (GBCAs)	
	Hydrochlorothiazide	
	Hyoscine butylbromide injection	
	Imatinib	
	Lysozyme-containing products	
	Obeticholic acid	тЗ

TABLE OF CONTENTS

Sodium-glucose cotransporter-2 (SGLT2) inhibitors		
Ulipristal acetate		
Zoledronic acid		
Signal		
Agomelatine – Inappropriate schedule of drug administration		
Inconsistent labelling for drug interactions		
Feature		
Latest news from the Smart Safety Surveillance (3S) project 20		

Amiodarone

Risk of agranulocytosis and leukopenia

Japan. The Ministry of Health, Labour and Welfare (MHLW) and the Pharmaceuticals and Medical Devices Agency (PMDA) have announced that the package inserts for amiodarone (Ancaron®) should be revised to include agranulocytosis and leukopenia as adverse reactions.

Amiodarone is indicated for treatment of ventricular fibrillation, ventricular tachycardia, and heart failure when patients have not responded to other available antiarrhythmics or when alternative agents cannot be used.

A total of three cases associated with agranulocytosis and/or leukopenia were reported in Japan, and a causal relationship with amiodarone could not be excluded for one of these cases.

Based on the investigation of the evidence currently available, MHLW/PMDA have concluded that revision of the package insert was necessary.

Reference:

Revision of Precautions, MHLW/PMDA, 19 April 2018 (www.pmda.go.jp/english/)

Benzocaine

Risk of blood disorder in infants and children

USA. The US Food and Drug Administration (FDA) has announced that over the counter (OTC) oral medicinal products containing benzocaine (Anbesol®, Orabase®, Orajel®) should not be used to treat infants and children aged less than two years due to risk of blood disorders.

Benzocaine is a local anesthetic contained in some OTC products for the temporary relief of pain due to minor irritation, soreness, or injury of the mouth and throat.

Benzocaine can cause a condition in which the amount of oxygen carried through the blood is greatly reduced, called methemoglobinemia, which can be life-threatening and result in death.

In addition, manufacturers were requested to change the labels of benzocaine containing products to include: a warning about methemoglobinemia; contraindication in infants and children younger than two years; and revisions to the directions for parents and caregivers.

Reference:

Safety Alerts for Human Medical Products, US FDA, 23 May 2018 (www.fda.gov)

Cladribine

Risk of progressive multifocal leukoencephalopathy (PML)

Japan. MHLW and PMDA have announced that the package insert for cladribine (Leustatin®) should be revised to include progressive multifocal leukoencephalopathy (PML) as a clinically significant adverse reaction.

Cladribine is indicated for hairy cell leukemia and recurrent, relapsing, or refractory indolent B-cell non-Hodgkin's lymphoma including follicular lymphoma, and mantle cell lymphoma.

While there were no reports of PML in Japan however, there were cases of PML reported in patients exposed to cladribine overseas in the previous three fiscal years.

Based on the investigation of the evidence currently available, MHLW/PMDA have concluded that the revision of the package insert was necessary.

Reference:

Revision of Precautions, MHLW/PMDA, 19 April 2018 (www.pmda.go.jp/english/) (See WHO Pharmaceuticals Newsletters No.1, 2018: Risk of progressive multifocal encephalopathy (PML) in UK and Spain)

Clarithromycin

Risk of arrhythmia, myocardial infarction and cardiovascular mortality

Ireland. The Health Products Regulatory Authority (HPRA) has announced that the product information for clarithromycin-containing medicinal products will be updated to reflect findings from observational studies which have identified a rare, short term risk of arrhythmia, myocardial infarction and cardiovascular mortality associated with clarithromycin.

Clarithromycin is used to treat various bacterial infections.

It is known that clarithromycin has been associated with effects on QT prolongation and cardiac arrhythmias and the product information for clarithromycin provides guidance on use in patients at risk of ventricular arrhythmia and other cardiac conditions.

As part of a routine periodic assessment of clarithromycincontaining medicines by the Pharmacovigilance Risk Assessment Committee (PRAC) of the European Medicines Agency (EMA), cumulative evidence to date on cardiovascular safety of clarithromycin was reviewed. The PRAC noted that some observational studies have identified a rare, short term risk of arrhythmia, myocardial infarction and cardiovascular mortality associated with clarithromycin. It is recommended that consideration of findings should be balanced with known treatment benefits when prescribing clarithromycin, particularly in patients with a high baseline cardiovascular risk.

Reference:

Drug Safety Newsletter, HPRA, June 2018 (www.hpra.ie)

REGULATORY MATTERS

(See WHO Pharmaceuticals Newsletters No.2, 2018: Potential risk of heart problems or death in patients with heart disease in USA)

Daclizumab

Potential risk of immune reactions

Europe. The European Medicines Agency (EMA) has announced that daclizumab (Zinbryta®) is no longer authorized for use in the EU and has been recalled from hospitals and pharmacies due to the risk of serious and potentially fatal immune reactions.

Daclizumab is indicated to treat relapsing forms of multiple sclerosis.

The EMA confirmed that daclizumab poses a risk of serious and potentially fatal immune reactions affecting the brain, liver and other organs. The EMA therefore confirmed its previous conclusion that the risk outweighs the benefit for patients with multiple sclerosis.

On 27 March 2018, the marketing authorisation was withdrawn.

Reference:

EMA, 18 May 2018 (www.ema.europa.eu)

(See WHO Pharmaceuticals Newsletters No.2, 2018: Immediate suspension: risk of serious inflammatory brain disorders in Europe; No.6, 2017: Risk of serious liver damage in Europe; No.4, 2017: Provisional restrictions for use in Europe)

Darunavir

Potential risk of treatment failure and maternal-tochild transmission of HIV-1

United Kingdom. The Medicines and Healthcare Products Regulatory Agency (MHRA) has announced that the product information for products containing darunavir (Prezista®, Rezolsta® and Symtuza®) will be updated to advise against the use of darunavir boosted with

cobicistat during pregnancy due to risk of treatment failure and maternal-to-child transmission of HIV-1.

Darunavir is an antiretroviral medication used to treat and prevent HIV/AIDS. Cobicistat can be co-administered with darunavir as a booster to increase darunavir levels. They are available in combination in some products.

New pharmacokinetic data show mean exposure of darunavir boosted with cobicistat to be lower during the second and third trimesters of pregnancy. Low darunavir exposure may be associated with an increased risk of treatment failure and an increased risk of HIV-1 transmission to the unborn child.

It has been advised that therapy with darunavir/cobicistat should not be initiated during pregnancy, and women who are pregnant and taking darunavir/cobicistat should be switched to an alternative regimen.

A letter has been sent to relevant health-care professionals to inform them of this information.

Reference:

Drug Safety Update, MHRA, 17 July 2018 (www.gov.uk/mhra)

Dasatinib

Risk of nephrotic syndrome

The Netherlands. The product information for dasatinib (Sprycel®) in all EU Member States has been updated to include the risk of nephrotic syndrome.

Dasatinib is used to treat chronic myeloid leukaemia and Philadelphia-chromosome positive acute lymphoblastic leukaemia.

The Netherlands Pharmacovigilance Centre Lareb has received one report of nephrotic syndrome associated with the use of dasatinib. This concerned a male aged between 11-20 years who developed nephrotic syndrome 27 days after starting dasatinib. The patient recovered one week after withdrawal of dasatinib and fluid intake restriction. Also the European pharmacovigilance database, EudraVigilance, contained seven strongly supportive cases concerning nephrotic syndrome. In addition, there were five cases reported in the literature and a causal relationship between dasatinib and nephrotic syndrome were found in these cases

Reference:

Based on the communication from the Netherlands Pharmacovigilance Centre Lareb, June 2018 (www.lareb.nl/en/)

Denosumab

1. Risk of new primary malignancies

United Kingdom. The MHRA has announced that the product information for denosumab (Xgeva®) has been updated to include the risk of new primary malignancies.

Denosumab is indicated for the prevention of skeletal-related events, such as pathological fracture, and radiation to bone.

The decision to revise the product label for denosumab occurred following findings from a recent review conducted by the EU. An increased rate of new primary malignancies in patients given denosumab compared to those given zoledronic acid was reported when used for the prevention of skeletal-related events with advanced bone malignancies.

Reference:

Drug Safety Update, MHRA, 22 June 2018 (www.gov.uk/mhra)

2. Risk of hypercalcaemia

United Kingdom. The MHRA has announced that the Summary of Product Characteristics for denosumab has been updated to include risk of hypercalcaemia following discontinuation of treatment for giant cell tumour of the bone.

Cases of clinically significant hypercalcaemia complicated by acute renal injury and requiring hospitalization have been reported in a clinical trial of adults and adolescents with giant cell tumour of bone.

Cases of rebound hypercalcaemia were reported up to nine months after discontinuation of denosumab.

Reference:

Drug Safety Update, MHRA, 22 June 2018 (www.gov.uk/mhra)

(See WHO Pharmaceuticals Newsletters No.3, 2013: Severe hypocalcaemia in Australia; No.1, 2013: Fatal cases of severe symptomatic hypocalcaemia in UK; No.4, 2012: Risk of severe symptomatic hypocalcemia, including fatal cases in Canada)

Dipeptidyl peptidase-4 (DPP-4) Inhibitor

Risk of pemphigoid

Japan. MHLW and PMDA have announced that the package inserts for omarigliptin (Marizev®), trelagliptin succinate (Zafatek®), and saxagliptin hydrate (Onglyza®) will be revised to include pemphigoid as a clinically significant adverse reaction.

Dipeptidyl peptidase-4 (DPP-4) inhibitors are indicated for type 2 diabetes mellitus.

A total of 19 cases of pemphigoid associated with the use of DPP-4 were reported during the previous three fiscal years. Of the 19 cases, a causal relationship with DDP-4 inhibitors could not be excluded in six cases.

Based on the investigation of the evidence currently

available, MHLW/PMDA concluded that revision of the package inserts was necessary.

Reference:

Revision of Precautions, MHLW/PMDA, 19 April 2018 (www.pmda.go.jp/english/)

Eftrenonacog alfa

Risk of shock and anaphylaxis

Japan. MHLW and PMDA have announced that the package insert for eftrenonacog alfa (Alprolix®) should be revised to include shock and anaphylaxis as clinically significant adverse reactions.

Eftrenonacog alfa is used to inhibit bleeding in patients with blood coagulation factor IX deficiency.

One case involving shock and anaphylaxis was reported, and a causal relationship with the product could not be excluded for this case.

Based on the investigation of the evidence currently available, MHLW/PMDA have concluded that the revision of the package insert was necessary.

Reference:

Revision of Precautions, MHLW/PMDA, 19 April 2018 (www.pmda.go.jp/english/)

Everolimus

Risk of impaired wound healing

Japan. MHLW and PMDA have announced that the package insert of everolimus (Afinitor®) should be revised to include impaired wound healing as a clinically significant adverse reaction.

Everolimus is indicated for unresectable or metastatic renal cell carcinoma, and neuroendocrine tumor.

The decision to revise the label followed the revision of the

product label for another everolimus product called Certican®.

Reference:

Revision of Precautions, MHLW/PMDA, 19 April 2018 (www.pmda.go.jp/english/)

Fluoroquinolone antibiotics

Strengthened warnings on the risk of hypoglycaemia and mental health adverse effects

USA. The FDA has announced that the drug labels of fluoroquinolone antibiotics should be strengthened to include coma as a potential outcome of hypoglycaemia, and to list adverse effects related to mental health such as disorientation and agitation.

Fluoroquinolone antibiotics, such as moxifloxacin, delafloxacin, ciprofloxacin, are indicated to treat certain serious bacterial infections.

Most fluoroquinolone antibiotic product labels include a warning on blood sugar disturbances and mental health adverse effects, but the new label changes will add that hypoglycaemia can lead to coma and will also make the mental health adverse effects more prominent and consistent by listing adverse effects such as disturbances in attention, disorientation, and agitation.

Reference:

Safety Alerts for Human Medical Products, US FDA, 10 July 2018 (www.fda.gov)

(See WHO Pharmaceuticals Newsletters No.5, 2016: Disabling and potentially permanent adverse effects of the tendons, muscles, joints, nerves, and central nervous system in USA; No.3, 2016: Restricting use in USA)

REGULATORY MATTERS

Granulocyte-colony stimulating factor (G-CSF) drugs

Risk of large vessel vasculitis

Japan. MHLW and PMDA have announced that the package inserts of products containing granulocyte-colony stimulating factor (G-CSF) i.e. filgrastim (Gran®, Filgrastim BS®), pegfilgrastim (G-Lasta®), and lenograstim (Neutrogin®) should be revised to include large vessel vasculitis as a clinically significant adverse reaction.

G-CSF products are indicated for prevention of chemotherapy-induced febrile neutropenia and mobilization of hematopoietic stem cells to peripheral blood.

A total of 20 cases involving large vessel vasculitis were reported, and a causal relationship with the products could not be excluded for 14 of these cases.

Based on an investigation of the current available evidence, MHLW/PMDA concluded that revision of the package insert was necessary.

Reference:

Revision of Precautions, MHLW/PMDA, 19 April 2018 (www.pmda.go.jp/english/)

(See WHO Pharmaceuticals Newsletters No.3, 2014: Risk of Capillary Leak Syndrome (CLS) in Canada) that a combination of additional measures is implemented.

HES solutions for infusion are used for the management of hypovolaemia (low blood volume), where treatment with alternative infusion solutions alone is not considered sufficient.

Because of the risk of kidney injury and mortality, HES solutions for infusion are contraindicated in patients with sepsis or in critically ill patients. In January 2018, PRAC recommended suspending the marketing authorizations because the product continued to be used in those patients. However, the European Commission (EC) requested that the PRAC and the CMDh further consider possible unmet medical needs that could be caused by the suspension.

The CMDh has now concluded that HES solutions for infusion should remain on the market provided that a combination of additional measures is implemented. One of the new measures is a controlled access programme by the marketing authorization holders to ensure that only accredited hospitals will be supplied with the products. Another measure is packaging warnings that remind health-care professionals that these products must not be used in patients with sepsis or kidney impairment or in critically ill patients.

Ibrutinib

Potential risk of ventricular tachyarrhythmia

Canada. Health Canada has worked with manufacturers to update the product safety information for ibrutinib (Imbruvica®) to include ventricular tachyarrhythmia.

Ibrutinib is indicated for the treatment of bone marrow and white blood cell cancers. It is also used in patients who suffer from refractory chronic graft versus host disease after receiving transplanted tissue from a donor.

Health Canada has received five Canadian reports and examined 150 international reports of ventricular tachyarrhythmia suspected to be linked to ibrutinib.

Health Canada's review concluded that there may be a link between the use of ibrutinib and the risk of ventricular tachyarrhythmia.

Reference:

Summary Safety Review, Health Canada, 26 July 2018 (www.hc-sc.gc.ca)

(See WHO Pharmaceuticals Newsletters No.6, 2017: Risk of ventricular tachyarrhythmia, hepatitis B reactivation and infection in Australia; No.5, 2017: Reports of ventricular tachyarrhythmia; risk of hepatitis B reactivation and opportunistic infections in UK)

Immunosuppressive

预览已结束,完整报告链接和二维码如下:

https://www.yunbaogao.cn/report/index/report?reportId=5 25686



