Published by Ministry of Health, Labour and Welfare Translated by Pharmaceuticals and Medical Devices Agency





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.

Revision of Precautions Riociguat

September 13, 2022

Therapeutic category

Other cardiovascular agents

Non-proprietary name

Riociguat

Safety measure

Precautions should be revised.

Pharmaceuticals and Medical Devices Agency

Revision in line with the Instructions for Electronic Package Inserts of Prescription Drugs, etc. PSEHB Notification No. 0611-1 by the Director of Pharmaceutical Safety and Environmental Health Bureau, MHLW, dated June 11, 2021 (New instructions):

					Revise	ed language is underlir	
Current				Revision			
2. CONTRAINDICATIONS				2. CONTRAINDICATIONS			
Patients receiving azoles (itraconazole, voriconazole), HIV protease				Patients receiving azoles (itraconazole, voriconazole), HIV protease			
inhibitors (ritonavir, lopinavir/ritonavir, indinavir, atazanavir, saquinavir),			,	inhibitors (indinavir, saquinavir), or ombitasvir/paritaprevir/ritonavir			
or ombitasvir/paritapr	evir/ritonavir						
10. INTERACTIONS				10. INTERACTIONS			
10.1 Contraindications for Co-administration				10.1 Contraindications for Co-administration			
Drugs	Signs, Symptoms,	Mechanism and Risk		Drugs	Signs, Symptoms,	Mechanism and Risk	
	and Treatment	Factors			and Treatment	Factors	
HIV protease	When co-	The clearance of		HIV protease	When co-	The clearance of	
inhibitors (ritonavir,	administered with	riociguat is		inhibitors (indinavir,	administered with	riociguat is	
lopinavir/ritonavir,	ketoconazole (oral	decreased by the		saquinavir)	ketoconazole (oral	decreased by the	
indinavir, atazanavir,	dosage form, not	inhibition of multiple			dosage form, not	inhibition of multiple	
saquinavir)	marketed in Japan),	CYP isoforms			marketed in Japan),	CYP isoforms	
	the AUC and C _{max} of	(CYP1A1, CYP3A,			the AUC and C _{max} of	(CYP1A1, CYP3A,	

etc.) and P-

gp/BCRP.

riociguat were

respectively. In

addition, the

and 46%,

increased by 150%

etc.) and P-

gp/BCRP.

riociguat were

respectively. In

addition, the

and 46%,

increased by 150%

elimination half-lif was prolonged, a			elimination half-life was prolonged, and	
the clearance was decreased.			the clearance was decreased.	
10.2 Precautions for Co-administration		10.2 Precautions for Co-administration		

(N/A)

Drugs	Signs, Symptoms,	Mechanism and Risk	
	and Treatment	Factors	
<u>Preparations</u>	The blood	The clearance of	
containing ritonavir,	concentration of	riociguat is	
<u>atazanavir</u>	riociguat may	decreased by the	
	increase.	inhibition of CYP1A1	
	If administration of	and/or CYP3A by	
	riociguat is started in	these drugs.	
	patients being		
	treated with these		
	drugs, starting at a		
	dose of 0.5 mg 3		
	times a day should		
	also be considered.		

(Reference) DeJesus, E., et al.: Pulm. Circ. 2019;9:1-10

N/A: Not Applicable. No corresponding language is included in the current Precautions.