

August 24, 2022

A Short-Acting Selective β₁ Blocker, Onoact® for Intravenous Infusion 50mg/150mg Approved for Additional Indication of Tachyarrhythmia in Pediatric Patients with Low Cardiac Function in Japan

One Pharmaceutical Co., Ltd. (Osaka, Japan; President, Representative Director, Gyo Sagara; "ONO") announced today that ONO received an approval of Oneact® (generic name: landiolol hydrochloride) for Intravenous Infusion 50mg/150mg ("Oneact"), a short-acting selective β_1 blocker in Japan for additional indication of tachyarrhythmia (supraventricular tachycardia, atrial fibrillation and atrial flutter) in pediatric patients with low cardiac function for a partial change in the approved items of the manufacturing and marketing approval.

This approval is based on the results of a multi-center, open-label, uncontrolled late Phase II/III study (Heartful study: ONO-1101-31) conducted in Japan in pediatric patients with tachyarrhythmia accompanied by low cardiac function. In this study, the percent of patients with a reduction in heart rate ≥20% from the initial rate of tachycardia or termination of tachycardia at 2 hours after starting Onoact, the primary endpoint, was 48.0% (12/25 patients). The safety profile of Onoact in this study was consistent with that observed in studies of approved indications, and no new safety concerns were observed.

In case of low cardiac function with unstable hemodynamics, such as after open-heart surgery for congenital heart diseases in pediatric patients, if tachyarrhythmia persists, it may be potentially serious or fatal. Therefore, the treatment for tachyarrhythmia is immediately required. Since non-drug treatment such as catheter ablation may be sometimes difficult in pediatric patients due to their physique and age, drug treatment is an important and main treatment method. However, there are few antiarrhythmic drugs approved for pediatric indications and treatment options are limited in Japan.

Onoact is a short-acting selective β_1 blocker that reduces heart rate by selectively blocking β_1 receptor which is present predominantly in the heart. Therefore, Onoact is expected to become a new treatment option for tachyarrhythmia in pediatric patients with low cardiac function.

Overview of Onoact® for Intravenous Infusion 50mg/150mg

Product name	Onoact® for Intravenous Infusion 50mg/150mg
Generic name	Landiolol hydrochloride
Indication	<adults> Emergency treatment of the following intraoperative tachyarrhythmia: Atrial fibrillation, atrial flutter and sinus tachycardia Emergency treatment of the following postoperative tachyarrhythmia occurring under the monitoring of circulatory dynamics: Atrial fibrillation, atrial flutter and sinus tachycardia Following tachyarrhythmia in patients with low cardiac function: Atrial fibrillation and atrial flutter Following the refractory and urgent fatal arrhythmia: Ventricular fibrillation and hemodynamically unstable ventricular tachycardia Following tachyarrhythmia associated with sepsis: Atrial fibrillation, atrial flutter and sinus tachycardia <pediatrics> Following tachyarrhythmia with low cardiac function: Supraventricular tachycardia, atrial fibrillation and atrial flutter</pediatrics></adults>
Dosage and administration	 <a h<="" td="">

Manufacturer/ distributor	Ono Pharmaceutical Co., Ltd
Date of approval	August 24, 2022

Note: Underlined parts show the revised ones according to this approval.

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