

## Guidance document for PM JAY package

### Temporary Pacemaker Implantation

**Procedures covered/ procedure count: 1**

**Specialty: Cardiology**

Package name	Procedure name	HBP 1.0 code	HBP 2.0 code	Package price	ALOS
Temporary Pacemaker implantation	Temporary Pacemaker implantation	S1200021	MC014A	19,200	2 Days

**Minimum qualification of the treating doctor:**

**Essential:** MD/ DM/DNB/ equivalent (Cardiology)/ M.Ch./DNB/ equivalent (Cardiothoracic Surgery)

**Special empanelment criteria/linkage to empanelment module:** Functional Cardiac Cath lab/CTVS O.T.

#### Disclaimer:

For monitoring and administering the claim management process of **Temporary Pacemaker implantation**, NHA shall be following these guidelines. This document has been prepared for guidance of PROCESSING TEAM and TRANSACTION MANAGEMENT SYSTEM of AB PM-JAY for the claims of procedures mentioned above. The hospitals can also refer to this document so that they have the insight on how the claims will be processed. However, this document doesn't provide any guidance on clinical and therapeutic management of patient. In that respect the hospitals and physicians may refer to any other relevant material as per the extant professional norms.

### **PART I: GUIDELINES FOR CLINICIANS AND HEALTHCARE PROVIDERS**

#### **1.1 Objective:**

The purpose of this section is to act as a guidance & a clinical decision support tool for the clinicians in deciding the line of treatment, plan clinical management of patient and decide referral of cases to the appropriate level of care (as required) for treatment of patients under PMJAY and selection of corresponding Health Benefit Package.

It will also serve as a tool for hospitals to determine and submit the mandatory documents required for claiming reimbursement of health benefit package under PMJAY.

#### **1.2 Clinical key pointers:**

Temporary pacemaker implantation (TPI) is a lifesaving procedure which is mainly indicated in patients with symptomatic bradyarrhythmias, which is reversible or as bridge to permanent pacemaker, as well as in patients with specific tachyarrhythmias (i.e., overdrives pacing). Temporary transvenous pacing consists in inserting a temporary pacing electrode catheter (EC) into the right sided chambers through peripheral venous route, and then

applying regulated electrical stimulus with the goal of restoring effective cardiac depolarization, resulting in an adequate heart rate and cardiac output.

Broad indications for TVP are asystolic cardiac arrest or bradycardia due to atrioventricular block, sinus node disease or following acute myocardial infarction. Its use may also be prophylactic or periprocedural or for overdrive suppression of tachyarrhythmias

### 1.3 Mandatory documents- For healthcare providers

Following documents should be uploaded by the concerned hospital staff at the time of pre-authorization and claims submission:

Mandatory document	Temporary Pacemaker implantation
<b>i. At the time of Pre-authorization</b>	
a. Clinical notes	Yes
b. ECG with report of cardiologist	Yes
<b>ii. At the time of claim submission</b>	
a. Indoor case papers	Yes
b. Procedure / Operative notes with indication	Yes
c. ECG paced rhythm strip/ still frame of lead in situ	Yes
d. Detailed Discharge Summary	Yes
e. Invoice & barcode of designated pacemaker pacing lead	Yes

## **PART II: GUIDELINES FOR PROCESSING TEAM**

**2.1 Objective:** To provide guidance to the pre-authorization and claims processing team in ascertaining the medical necessity of procedure carried out vis a vis the patient's medical condition as evidenced by supporting documents/investigation reports etc, in deciding the admissibility and quantum of claim and compliance with mandatory documents by the hospital.

**2.2 Following mandatory documents to be diligently reviewed by the pre-auth / claims processing personnel:**

Mandatory document	Temporary pacemaker implantation
<b>I. Pre-auth processing Doctor (PPD)</b>	

a. Clinical notes - detailed history, signs & symptoms, indication for procedure	Yes
b. Was the ECG and its report by cardiologist suggestive of an indication requiring temporary pacemaker implantation?	Yes
<b>II. Claims processing Doctor (CPD)</b>	
a. Indoor case papers	Yes
b. Are the detailed Procedure / Operative notes submitted?	Yes
c. Does still frame shows temporary lead in heart/ ECG shows paced rhythm?	Yes
d. Is there a detailed discharge summary mentioning date of follow-up submitted?	Yes
e. Is the Invoice & barcode of designated pacing lead used submitted?	Yes

### **PART III: GUIDELINES FOR TRANSACTION MANAGEMENT SYSTEM (TMS)**

**3.1 Objective:** To enable setting up of cross check mechanisms/rule engines within the IT platform (TMS) to ensure compliance with STGs and to prevent fraud / abuse of the Health Benefit Package.

**3.2 Below mentioned are the scenarios where a provision would be built in TMS for pop-ups:**

1. Was patient ECG report suggestive of a condition requiring temporary pacemaker implantation? Yes

Till the time the functionality is being developed, the processing doctors shall check the above manually.

### **References**

1. Blanco P. Temporary transvenous pacing guided by the combined use of ultrasound and intracavitary electrocardiography: a feasible and safe technique. *Ultrasound J.* 2019;11(1):8. Published 2019 Apr 4. doi:10.1186/s13089-019-0122-y
2. Ahn J, Kharasch M, Aronwald R, Menon S, Du H, Calabrese N, Gitelis M, Aitchson P, Wang E. Assessing the accreditation council for graduate medical education requirement for temporary cardiac pacing procedural competency through simulation. *Simul Healthc.* 2013;8(2):78–83.
3. López Ayerbe J, VilluendasSabaté R, García García C, et al. Temporary pacemakers: current use and complications. *Rev EspCardiol.* 2004;57(11):1045–1052
4. Tjong FVY, de Ruijter UW, Beurskens NEG, Knops RE. A comprehensive scoping review on transvenous temporary pacing therapy. *Neth Heart J.* 2019;27(10):462-473