

## Guidance document for processing PM-JAY packages

### Ilizarov Fixation / Limb Lengthening / Bone Transport by Ilizarov

**Packages covered: 2**

**Specialty: Orthopedics**

Package name	Procedure name	HBP 1.0 code	HBP 2.0 code	Procedure price (INR)	ALOS (In days)
Ilizarov Fixation	Ilizarov Fixation	S500060	SB058A	15,000 + Price of Implant	6
Limb Lengthening / Bone Transport by Ilizarov	Limb Lengthening / Bone Transport by Ilizarov	S500059	SB059A	23,700 + Price of Implant	8

#### Minimum qualification of the treating doctor:

**Essential:** Diploma in Orthopedics with 10 years of experience

**Desirable:** MS/DNB/Equivalent in Orthopedics

**Special empanelment criteria/linkage to empanelment module:** None

#### Disclaimer:

For monitoring and administering the claim management process of **Ilizarov Fixation / Limb Lengthening / Bone Transport by Ilizarov** 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:**

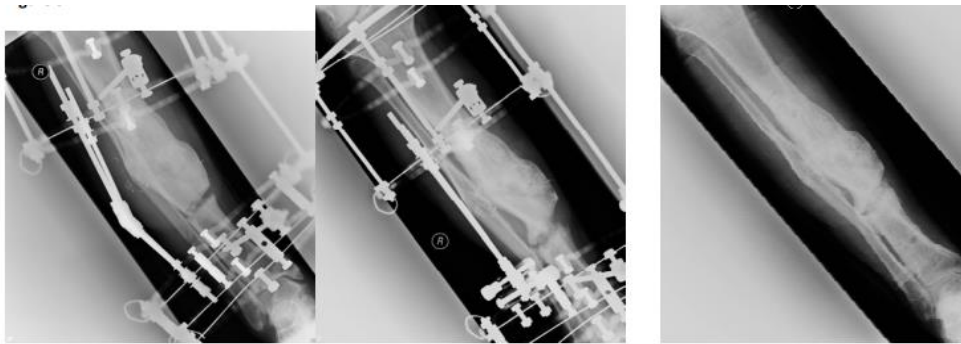
**Ilizarov Method:** The Ilizarov apparatus is a set of external fixators consisting of rings, rods and kirschner wires, all made of stainless steel. It differs from the conventional external

fixators in that it encases the limb as a cylinder, and it uses wires instead of pins to fix the bone to the rings.

- The circular construction and tensioned wires allow early weight bearing as it provides far greater support than monolateral (one sided) fixators.
- The purpose of the Ilizarov fixator is to stimulate bone growth, and this works by the principle of distraction osteogenesis, which is the pulling apart of bone to stimulate new bone growth.

#### Applications of the Ilizarov Method

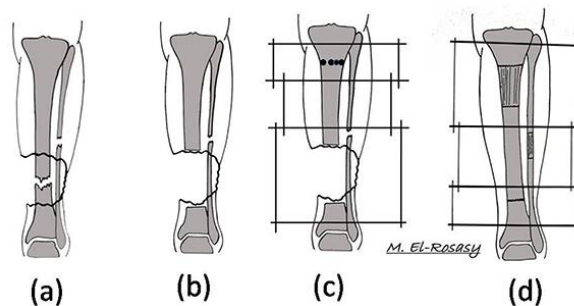
- The Ilizarov technique can be used to correct deformities to bone. These deformities can occur for a number of reasons which include:
- As the result of a trauma, mal-union fractures. These can cause problems on the surrounding joints as it can result in the stress of the joint not being evenly distributed across the joint. It can also give the appearance that the limb is shorter, causing the patient to limp.



\*Rebecca Littlewood

Ilizarov Frame

**Bone transport (BT).** Is the procedure a healthy bone segment is mobilized by means of an external fixator to bridge a bone gap. Mobilization of the bone segment entails advancement of the overlying soft tissue envelop altogether.



#### 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	Ilizarov Fixation	Limb Lengthening Bone Transport by Ilizarov
<b>i. At the time of Pre-authorization</b>		
a. Clinical notes with history, signs, symptoms, evaluation findings, indication for procedure, planned line of management and advice for admission	Yes	Yes
b. Radiological investigations confirming the diagnosis	Yes	Yes
c. Clinical photograph of affected part	Yes	No
d. Clinical photograph of affected part showing short limb as compared to another limb	No	Yes
<b>ii. At the time of claim submission</b>		
a. Detailed Indoor case papers (ICPs)	Yes	Yes
b. Procedure / operation notes	Yes	Yes
c. Post procedure clinical photograph	Yes	Yes
d. Post procedure X-ray showing implant labelled with patient ID, date and side (Left/ Right) - affected part	Yes	Yes
e. Intra procedure still pictures	No	Yes
f. Invoice/barcode of implant	Yes	Yes
g. Discharge Summary	Yes	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	Ilizarov Fixation	Limb Lengthening Bone Transport by Ilizarov
<b>i. At the time of pre-authorization processing- For pre-authorization processing doctor (PPD)</b>		
a. Clinical notes with history, signs, symptoms, evaluation findings, indication for procedure, planned line of management and advice for admission	Yes	Yes
b. Radiological investigations confirming the diagnosis	Yes	Yes

c. Clinical photograph of affected part	Yes	No
d. Clinical photograph of affected part showing short limb as compared to another limb	No	Yes
<b>ii. At the time of claim processing- For claims processing doctor (CPD)</b>		
a. Detailed Indoor case papers (ICPs)	Yes	Yes
b. Procedure / operation notes	Yes	Yes
c. Post procedure clinical photograph	Yes	Yes
d. Post procedure X-ray showing implant labelled with patient ID, date and side (Left/ Right) - affected part	Yes	Yes
e. Intra procedure still pictures	No	Yes
f. Invoice/barcode of implant	Yes	Yes
g. Discharge Summary	Yes	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:**

- I. Does the Post procedure X ray show the implant? Yes

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

#### **References:**

1. Littlewood, Rebecca. "The Benefits and Risks of the Ilizarov Technique for Limb Reconstruction." (2011).
2. El-Rosasy, Mahmoud, et al. "Definition of Bone Transport from an Orthoplastic Perspective." International Journal of Orthoplastic Surgery 2.2 (2019).