



Guidance document for processing PM-JAY packages

Growth modulation and fixation

Procedures covered: 1

Specialty: Orthopedics

Package name	Procedure name	HBP 1.0 code	HBP 2.0 code	Procedure price (INR)
Growth modulation and fixation	Growth modulation and fixation	New package	SB060A	5,000 + Price of Implant

ALOS: 6 days

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 **Growth modulation and fixation** 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:

Definition

- Growth modulation means modifying/manipulating the normal growth patterns.
- It facilitates correction of angular deformities by selectively reversible tethering a portion of the physis to correct limb alignment.

Indications:

- Deformities that can be treated with growth modulation include
 - Ankle valgus, Genu valgum , Genu varum , Knee flexion contracture , Limb-length discrepancy (LLD), Spine.
- Angular coronal deformities around the knee are common in pediatric orthopedic practice, surgical treatment is needed when the deformity persists or progress after correction of underlying biochemical abnormalities.
- Corrective osteotomy unlike in adults is not satisfactory in growing children due to potential complications, therefore **growth modulation surgeries are preferred** in children. Staples and screw hemi epiphysiodesis are associated with permanent damage to the physis and growth disturbances.
- The titanium-based figure of 8 plates were introduced to overcome **growth plate injuries and growth disturbances** in growth modulation surgeries

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	Growth modulation and fixation
i. At the time of Pre-authorization	
a. Clinical notes with history, signs, symptoms, evaluation findings, indication for procedure, planned line of management and advice for admission	Yes
b. X-ray labelled with patient ID, date and side (Left/ Right) - affected limb	Yes
ii. At the time of claim submission	
a. Detailed Indoor Case Papers (ICPs)	Yes
b. Post-procedure X-ray labelled with patient ID, date and side (Left/ Right) - affected limb	Yes
c. Detailed Procedure / Operative Notes	Yes
d. Invoice and bar code of implant	Yes
e. Detailed Discharge summary	Yes

PART II: GUIDELINES FOR PROCESSING TEAM

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 Growth modulation/Fixation plate? – Yes

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

References:

1. Vaishya, Raju, et al. "Growth modulation by hemi epiphysiodesis using eight-plate in Genu valgum in Paediatric population." *Journal of clinical orthopaedics and trauma* 9.4 (2018): 327-333.
2. BHAT, SHAMIM AHMAD, et al. "Functional outcome of growth modulation of coronal angular deformities of knee using figure of 8 plate." *Journal of Orthopaedics Trauma Surgery and Related Research* 14.2 (2019).