



Guidance document for processing PM-JAY packages

Medium size arterial aneurysms with synthetic graft

Procedures covered: 1

Specialty: CTVS

Package name	Procedure name	HBP 2.0 code	HBP 2.1 code	Package price (INR)
Peripheral Arterial Surgeries	Medium size arterial aneurysms with synthetic graft	New Package	SV019V	70,000 + Graft cost

ALOS (In days): 7 Days

Minimum qualification of the treating doctor:

Essential: MCh/ or equivalent (in Cardiothoracic Surgery, Vascular Surgery)

Special empanelment criteria/linkage to empanelment module: Tertiary Care Facilities

Disclaimer:

For monitoring and administering the claim management process of **Medium size arterial aneurysms with synthetic graft** 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:

A peripheral aneurysm is an enlargement or weakened area in an artery other than aorta. An aneurysm of size 5cm to 6cm is usually considered as medium sized arterial aneurysm.

Peripheral arterial aneurysm can occur in:

- Popliteal artery (which runs down the lower part of thigh and knee)
- A mesenteric (splenic, hepatic, or celiac) aneurysm occurs in an artery located in the abdomen, but not in the aorta.
- Femoral artery (located in the groin)
- Carotid artery (located in the neck)
- Arteries in the arms
- Arteries supplying blood to the kidneys or bowel (a visceral aneurysm).

Signs & Symptoms:

- Peripheral arterial aneurysms are usually asymptomatic at the time of detection or may present with symptoms when there is local compression of other structures, such as nerves or veins, with ischemia, or rarely with rupture.
- Thrombosis or embolism (or rarely, aneurysm rupture) causes extremities to be painful, cold, pale, paresthetic, or pulseless.
- Infectious aneurysms may cause local pain, fever, malaise, and weight loss.

Diagnosis: Ultrasound, CT angiography, and magnetic resonance angiography.

Indications:

- All symptomatic medium sized peripheral aneurysms should be repaired.
- In asymptomatic patients, to prevent potential complications, the reported indications to repair are size >20 mm, high-grade thrombus and poor run-off vessels.

Treatment:

- Open repair and endovascular repair are both options in treating peripheral artery aneurysms.
- Open surgical management includes procedures like graft interposition, bypass with synthetic or autologous grafts, primary repair, aneurysm ligation.

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	Medium size arterial aneurysms with synthetic graft
i. At the time of Pre-authorization	
a. Clinical notes with indication and admission notes.	Yes

b. Relevant investigations – Ultrasound /CT angiography / MRA reports	Yes
ii. At the time of claim submission	
a. Detailed Indoor case papers (ICPs)	Yes
b. Detailed procedure/ operative notes	Yes
c. Barcode of the graft used	Yes
d. Detailed discharge summary	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	Medium size arterial aneurysms with synthetic graft
i. At the time of pre-authorization processing- For pre-authorization processing doctor (PPD)	
a. Are the Clinical notes with indication and admission notes submitted?	Yes
b. Were the investigations reports - Ultrasound /CT angiography / MRA submitted?	Yes
ii. At the time of claim processing- For claims processing doctor (CPD)	
a. Are the detailed Indoor case papers (ICPs) submitted?	Yes
b. Are the detailed procedure/ operative notes submitted?	Yes
c. Is the barcode of the graft used submitted?	Yes
d. Is a detailed discharge summary 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:

- I. Were patient's clinical notes and investigations Ultrasound/CT angiography / MRA report suggestive for the procedure? Yes

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

References:

1. Hall, H. A., Minc, S., & Babrowski, T. (2013). Peripheral artery aneurysm. The Surgical clinics of North America, 93(4), 911–ix. <https://doi.org/10.1016/j.suc.2013.04.008>.
2. Bahcivan M, Keciligil HT, Kolbakir F, Gol MK. Surgical treatment of peripheral artery aneurysms. Hellenic J Cardiol. 2010 Jan-Feb;51(1):37-41. PMID: 20118042.
3. Kainth A, Smeds MR. Popliteal Aneurysm Repair. [Updated 2021 Jan 14]. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2021 Jan-. Available from: <https://www.ncbi.nlm.nih.gov/books/NBK563185/>
4. Ronchey S, Pecoraro F, Alberti V, et al. Popliteal Artery Aneurysm Repair in the Endovascular Era: Fourteen-Years Single Center Experience. Medicine (Baltimore). 2015;94(30):e1130. doi:10.1097/MD.0000000000001130