

## Abiomed Impella Percutaneous Ventricular Assist Device (PVAD) Interventional Cardiologist & Cardiac Surgery Training & Credentialing Process

Medical Staff Policies & Procedures	
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**Purpose:**

Abiomed Impella<sup>®</sup> heart pump is a percutaneous ventricular assist device that provides circulatory support for patients whose heart can no longer pump effectively due to heart failure or shock. The purpose of the Impella heart pump is to stabilize the patient’s hemodynamics, unload the left ventricle, perfuse the end organs and allow recovery of the native heart. A protected PCI utilizes an Impella 2.5™ or Impella CP<sup>®</sup> device for support during the heart procedure to maintain hemodynamic stability and to prevent adverse events while the patient undergoes revascularization.

**Scope:** Impella heart pump/PVAD is indicated for the treatment of ongoing cardiogenic shock and protected percutaneous coronary intervention. This device can be inserted by a trained and credentialed Interventional Cardiologist or Cardiothoracic Surgeon.

The patient is under the care of a heart team: a cohesive, multi-disciplinary, team of medical professionals. The heart team concept embodies collaboration and dedication across medical specialties to offer optimal patient-centered care.

**Credentialing:** The insertion of the Abiomed Impella heart pump must be performed by an Interventional Cardiologist or a Cardiothoracic Surgeon. Interventional Cardiologist(s) and Cardiothoracic Surgeon(s) may jointly participate in the intra-procedure technical aspects as appropriate.

## **Eligibility Requirements**

1. Each Interventional Cardiologist must meet the requirements of the New Jersey Department of Health and Jersey Shore University Medical Center Bylaws.
2. Each Interventional Cardiologist must be certified by the Abiomed Impella training course with evidence of a certificate from the Abiomed company.
3. Interventional Cardiologist(s) must receive prior suitable training on the devices to be used either during fellowship training or through observation and proctoring.
4. Each Interventional Cardiologist must perform two successfully proctored cases.
5. Each Interventional Cardiologist is responsible to maintain current competency, training, and updates to privileges.

**Procedure:** Use of the Impella heart pump should be restricted to those physicians trained to perform invasive procedures and those trained in the proper use of the system.

**Responsibility:** Chief of Cardiology and Chief of Cardiac Surgery

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**References:** Abiomed Impella<sup>®</sup> Program Protocols & Tools (2019). Retrieved from: <https://www.abiomed.com/impella>

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**Revision History:** N/A

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