A NEW STANDARD OF CARE FOR RIGHT HEART FAILURE

FDA Approved for Acute Right Ventricular Failure

Impella RP®
Heart Pump

ABIOMED
Recovering hearts. Saving lives.
**Impella RP®**

UNLOAD THE RIGHT VENTRICLE WITH CONTINUOUS HEMODYNAMIC SUPPORT.

The Impella RP System is the first and only percutaneous heart pump FDA approved for right heart support. The Impella RP is part of Abiomed’s comprehensive heart recovery product portfolio, that provides immediate hemodynamic benefit for patients with ventricular dysfunction.

The Impella RP System pumps blood from the inferior vena cava to the pulmonary artery.

**The Impella RP may enable right ventricular recovery in patients.**

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**The Only Percutaneous Heart Pump Approved for Right Heart Support**

- Provides right ventricular unloading with 4.0+ L/min of continuous flow for immediate improvement in hemodynamic performance*  
- Indicated for use for up to 14 days in patients with a body surface area of ≥1.5 m²  
  - Enables biventricular support**

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*As demonstrated in the RECOVER RIGHT clinical trial  
**When used in conjunction with a durable LVAD system or if Impella has already been placed for left heart support.

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**Right Ventricular Failure Patient Identification**

- Post cardiac surgery / transplant  
- Post-AMI cardiogenic shock  
- Post-LVAD

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**Sustained Hemodynamic Improvement After Impella RP Removal**

**Cardiac Index**

- Pre Support: 2.0 ± 0.5
- On Support: 3.5 ± 1.0
- Post Support: 2.5 ± 0.5

*P<0.0001

**Central Venous Pressure**

- Pre Support: 10.0 ± 2.0
- On Support: 6.0 ± 1.0
- Post Support: 8.0 ± 2.0

*P=0.0001

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**Increase in cardiac index**

**Decrease in central venous pressure**
**Catheter Diameter:** 11Fr
**Flow Rate:** 4.0+L/min

- **Blood Inlet**
- **Pump Motor**
- **Blood Outlet**
- **Pigtail**

**Easy To Deliver**

- Percutaneous, single venous access performed with routine transcatheter techniques
- Anatomically optimized, low profile catheter for easy placement & positioning in right heart anatomy
- Quick set-up and lack of circuit prep enables rapid initiation of hemodynamic support
  - 23Fr. sheath with unique valve designed for hemostasis

**Built On The Proven Impella Platform**

- More than 100,000 patients treated with the Impella device
  - Low complication rate
  - Low anticoagulation profile
  - Utilizes same console as left sided Impella devices

^RECOVER RIGHT / Impella RP Prospective PAS
^^As compared to LVAD and ECMO procedures
**Impella® Heart Pumps**

ADVANCING THE FIELD OF HEART RECOVERY.

See how the Impella device provides hemodynamic support for your highest-risk patients.

To learn more visit www.abiomed.com

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**37% Incidence of Right Ventricular Failure in Cardiogenic Shock²**

Many patients experience right heart failure when in cardiogenic shock. Impella RP can support patients and may enable recovery.

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**INDICATIONS FOR USE**

The Impella RP® System is indicated for providing temporary right ventricular support for up to 14 days in patients with a body surface area ≥1.5 m², who develop acute right heart failure or decompensation following left ventricular assist device implantation, myocardial infarction, heart transplant, or open-heart surgery.

**Important Risk Information for Impella RP® System**

**CONTRAINDICATIONS**

The Impella RP System is contraindicated for patients with the following conditions: Disorders of the pulmonary artery wall that would preclude placement or correct positioning of the Impella RP device. Mechanical valves, severe valvular stenosis or valvular regurgitation of the tricuspid or pulmonary valve. Mural thrombus of the right atrium or vena cava. Anatomic conditions precluding insertion of the pump. Presence of a vena cava filter or caval interruption device, unless there is clear access from the femoral vein to the right atrium that is large enough to accommodate a 22 Fr catheter.

**POTENTIAL ADVERSE EVENTS**

Arrhythmia, Atrial fibrillation, Bleeding, Cardiac tamponade, Cardiogenic shock, Death, Device malfunction, Hemolysis, Hepatic failure, Insertion site infection, Perforation, Phlegmasia cerulea dolens (a severe form of deep venous thrombosis), Pulmonary valve insufficiency, Respiratory dysfunction, Sepsis, Thrombocytopenia, Thrombotic vascular (non-central nervous system) complication, Tricuspid valve injury, Vascular injury, Venous thrombosis, Ventricular fibrillation and/or tachycardia.

In addition to the risks above, there are other WARNINGS and PRECAUTIONS associated with Impella RP.

Visit www.abiomed.com/Impella/Impella-rp to learn more.

To learn more about the Impella platform of heart pumps, including important risk and safety information associated with the use of the devices, please visit: www.abiomed.com/important-safety-information

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**References**

1. Anderson et al. The RECOVER RIGHT Study