

Increase in use of mechanical circulatory support in PCI

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(HealthDay)—For patients undergoing percutaneous coronary intervention (PCI) there has been an increase in use of mechanical circulatory support (MCS), according to a study published in the Jan. 1 issue of *The American Journal of Cardiology*.

Rohan Khera, M.D., from the University of Iowa Carver College of Medicine in Iowa City, and colleagues examined trends in the utilization and impact on in-hospital [mortality](#) of percutaneous ventricular assist devices (PVADs) and intraaortic balloon pumps (IABPs). A total of 5,031 patients who received a PVAD and 122,333 who received an IABP on the same day as PCI were identified using the National Inpatient Sample (2004 to 2012).

The researchers found that from 2004 to 2012 there was an increase in

MCS utilization from 1.3 to 3.4 percent of all PCIs (P chronic kidney disease, and to be admitted electively; they were also less likely to have [acute myocardial infarction](#), cardiogenic shock, or need mechanical ventilation. Before adjustment, in-hospital mortality was lower in PVAD than IABP recipients (P

"There has been a marked increase in the utilization of MCS in patients undergoing PCI," the authors write.

One author disclosed financial ties to the medical device industry.

More information: [Abstract](#)
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