

- A retrospective study of 49 patients who underwent attempted Impella implantation was conducted at The Queen Elizabeth Hospital, Birmingham, UK; this was the first real world registry experience with the Impella[®] device in the UK.
- Impella implantation was successful in 48 (98%) patients: 45 of these underwent high-risk percutaneous coronary intervention, 1 balloon valvuloplasty, and 3 patients had Impella as a bridge to cardiac transplant.
- In-hospital mortality was 20%, which is higher than in the PROTECT-II trial and Europella and USPella registries, possibly due to smaller patient numbers and a more complex case mix.
- There was a low incidence of vascular complications (2% of patients).
- The 3.8L Impella device (11 patients; 23%) showed comparable outcomes with the 2.5L device (36 patients; 75%), with no increase in vascular complications.

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