Mechanical circulatory support for percutaneous thrombectomy of unstable submassive pulmonary embolism with thrombus-in-transit

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**BACKGROUND**

- Clot-in-transit (CIT) is usually treated with systemic thrombolysis or surgical thrombectomy
- Percutaneous thrombectomy has a risk of clot migration and hemodynamic collapse

**CASES**

- Two patients presented with syncope and PE
  - Head trauma with negative neuroimaging
  - Submassive PE, cor pulmonale, and CIT
- High risk for systemic thrombolysis (head trauma)
- Cannulated on VA ECMO, underwent successful thrombectomy, decannulated, and discharged home

**CONCLUSIONS**

- VA ECMO can safely support percutaneous thrombectomy with active clot-in-transit

**Disclosures:** This presentation does not discuss off label use and/or investigational use of drugs/devices. The following relevant financial relationships exist related to this presentation: Dr. Dib is a speaker and consultant for Boston Scientific. Dr. Sayfo is a consultant for Boston Scientific and Inari Medical.