Plasminogen activator inhibitor type 1 promote experimental aortic dissection in mice.

Yasunori Iida\textsuperscript{1}, Hiroki Tanaka\textsuperscript{2}, Tetsumei Urano\textsuperscript{2}, Shigeharu Sawa\textsuperscript{3}, Hideyuki Shimizu\textsuperscript{1}

1. Department of Cardiovascular Surgery, Keio University, Tokyo, Japan
2. Department of Medical Physiology, Hamamatsu University School of Medicine, Hamamatsu, Japan
3. Department of Cardiovascular Surgery, Ogikubo Hospital, Tokyo, Japan

Method: Male 18–20-week-old PAI-1 deficiency mice and C57Bl/6J mice used as wild type (WT) were treated by angiotensin II infusion and were administered 0.2 % beta-aminopropionitrile in drinking water for 28 days.

Conclusions—Our results revealed a previously unknown pathogenic pathway involving PAI-1 that plays a key role in AAD occurrence.