A pseudo-aneurysm is the typical one of the complications after the intervention. Recently, the efficacy of ultrasound-guided thrombin injection has been reported. However, the incidence of complication (arterial embolization, pulmonary embolization and so on) was about 0.5%. The purpose is to describe the novel thrombin injection technique with balloon tamponade.

An 84 years-old female came to our hospital for ST-segment elevated myocardial infarction. IABP was deployed via left common femoral artery for cardiac support and emergent primary PCI was performed. After the PCI, the IABP was pulled out after the intervention. 2 days later, her left inguinal area became swollen. Contrast enhanced CT revealed a pseudo aneurysm oriented from her left common femoral artery.

[Conclusion] Thrombin injection with balloon tamponade for the puncture site pseudo aneurysm is feasible and safe technique.