A Case of Successful Treatment of Femoral Artery Pseudoaneurysm Using Thrombin Injection

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A seventy years-old female complained of a pulsating mass in right inguinal area after elective percutaneous coronary intervention. The size of mass was about 3 cm. Femoral artery US was performed. A 3.2 cm × 1.5 cm × 15 cm sized pseudoaneurysm which was surrounded by some hematoma was identified. Doppler revealed high velocity flow through a neck from femoral artery (FA).

Fig. 1. Duplex ultrasound image showed 3.2 × 1.5 cm sized pseudoaneurysm (*) and high velocity flow through a neck (arrow) from femoral artery (FA).

Fig. 2. During thrombin injection, rapidly developed thrombus (*) was identified within aneurysm sac.
blood flow from femoral artery to pseudoaneurysm (Fig. 1). First of all, manual compression was done. Despite of manual compression, there was no definite decrease in size. So, we planned to perform thrombin injection. Thus, total 2000 U of thrombin was injected to pseudoaneurysm, after thrombin injection, with clot formation, blood flow to pseudoaneurysm was nearly disappeared and minimal leak was noted (Fig. 2 and 3).1,2

**REFERENCES**