Embolic Complications Induced by a Vascular Closure Device

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hours later, a bruit was audible at the punctured site, and the patient’s peripheral pulse became weak. Ultrasound indicated the presence of foreign material in the blood (Picture 1), suggesting that emboli had developed around parts of the vascular closure device. Therefore, surgical treatment was planned. The operative findings showed that both anchor and collagenous sponges were incorrectly seated inside the femoral artery, which led to emboli formation (Picture 2, 3). We removed these materials and repaired the femoral artery. Clinicians should therefore pay attention to this potential problem whenever vascular closure devices are used.

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Reference