**Supplementary Video legends**

Supplementary video 1: Video of the initial attempt to remove the totally implantable venous access port at the Vascular Access Center of Jiangxi Cancer Hospital.

Supplementary video 2: Video of the internal jugular vein angiography performed through the right femoral vein.

Supplementary video 3: Video of the venography using contrast injection through the TIVAP.

Supplementary video 4: Video of the second attempt to remove the TIVAP at the Vascular Surgery Department of the First Affiliated Hospital of Nanchang University.