



“We report a successful endovascular technique using a snare for retrieving broken peripherally inserted venous ports in a child for chemotherapy” Ghaderian et al (2015).

Reference:

Ghaderian, M., Sabri, M.R. and Ahmadi, A.R. (2015) Percutaneous retrieval of an intracardiac central venous port fragment using snare with triple loops. Journal of Research in Medical Sciences. 20(1), p.97-9.

Percutaneous retrieval of implantable central venous port fragment [http://ctt.ec/UU77d+](http://ctt.ec/UU77d+@ivteam)  
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Abstract:

Peripherally inserted venous ports fracture with embolization in patients who received chemotherapy is a serious and rare complication, and few cases have been reported in children. We report a successful endovascular technique using a snare for retrieving broken peripherally inserted venous ports in a child for chemotherapy. Catheter fragments may cause complications such as cardiac perforation, arrhythmias, sepsis, and pulmonary embolism. A 12-year-old female received chemotherapy for acute lymphocytic leukemia through a central venous port implanted into her right subclavian area. The patient completed chemotherapy without complications 6 months ago. Venous port was accidentally

fractured during its removal. Chest radiographs of the patient revealed intracardiac catheter fragment extending from the right subclavian to the right atrium (RA) and looping in the RA. The procedure was performed under ketamine and midazolam anesthesia and fluoroscopic guidance using a percutaneous femoral vein approach. A snare with triple loops (10 mm in diameter) was used to successfully retrieve the catheter fragments without any complication. Percutaneous transcatheter retrieval of catheter fragments is occasionally extremely useful and should be considered by interventional cardiologists for retrieving migrated catheters and can be chosen before resorting to surgery, which has potential risks related to thoracotomy, cardiopulmonary bypass, and general anesthesia.

**Full Text**

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