

Migration of a Jugular Hemodialysis Catheter Revealed by Edema of the Left Upper Limb

Hafedh Daly^{1*}, Abdelbaki Bouallegue² and Amira Horchani³

¹Cardiovascular Surgery Department, Regional Hospital of Gafsa, Tunisia

²Nephrology and Hemodialysis Department, Regional Hospital of Gafsa, Tunisia

³Faculty of Pharmacy, Monastir, Tunisia

*Corresponding author: Hafedh Daly, Cardiovascular Surgery Department, Regional Hospital of Gafsa, Tunisia. E-mail: daly.hafedh@yahoo.fr

Received: March 20, 2022; Accepted: March 28, 2022; Published: April 15, 2022



Figure A: Significant Edema of the left upper limb.

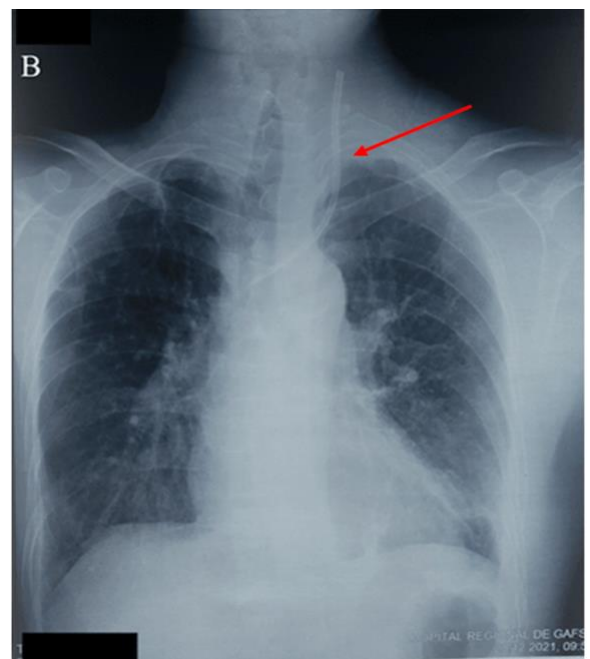


Figure B: The chest X-ray showing the route of the catheter.

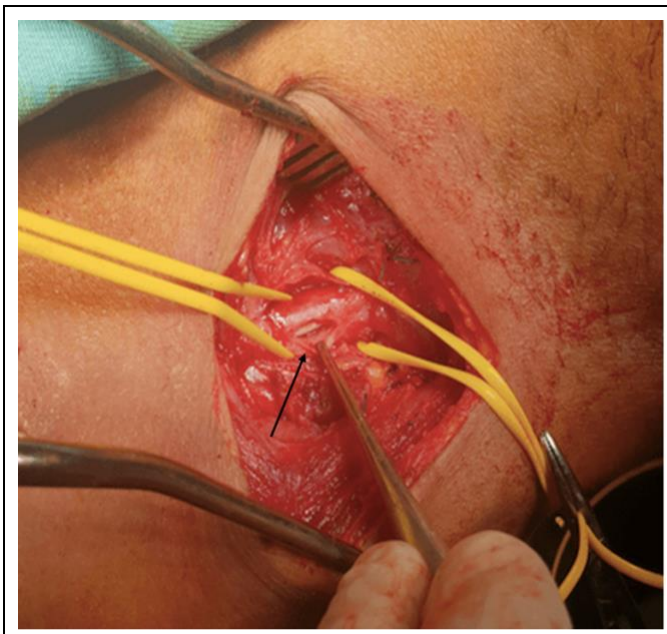


Figure C: The catheter in the lumen of the internal jugular vein which is sclerotic.

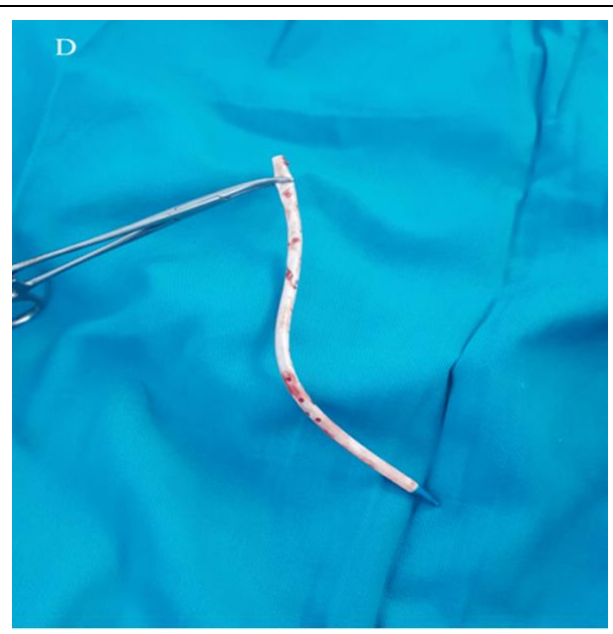


Figure D: The hemodialysis catheter after its removal.

Clinical Image

A 42-year-old patient, on chronic dialysis for 3 years by a left humero-basilic arteriovenous fistula, consulted for a significant edema of the left upper limb happening for a month (Figure A). The examination found a functional arteriovenous fistula with the presence of multiple small left cervical scars synonymous with iterative placement of jugular catheters for hemodialysis. The Doppler ultrasound of the left upper limb and the cervical region showed a thrombosis of the left internal jugular vein with the presence of a jugular catheter in its lumen. The chest X-ray showed the route of the catheter which arrives in the left brachiocephalic venous trunk (Figure B).

By questioning the patient for more details, he stated that he was the one who broke the tip of the catheter while trying to remove it.

He was operated by a left cervicotomy. The surgical exploration confirmed the migration of the catheter in the left jugular vein which is sclerotic site of an old thrombosis (Figure C). This catheter was removed with closure of the left internal jugular vein with separated 6/0 prolene stitches. The postoperative course was simple (Figure D).