We present a case report where USG was used for detection of a misplaced CVC (from right internal jugular vein to right subclavian vein). With ultrasound, the location of the catheter tip can be confirmed in very less time compared with chest X-ray” Kumar et al (2017).

Abstract:

Central venous catheter (CVC) insertion is associated with many potential complications; malposition of the catheter is one of them. A chest X-ray is routinely done to detect the malposition of catheter, but sometimes it has been seen that X-ray is time-consuming and its accuracy is also low for determining the exact position of the catheter tip. In our case, an ultrasonography (USG)-guided CVC was placed into the right internal jugular vein of the patient.

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As there was no ECG change obtained during insertion of guidewire and catheter, malposition was suspected, which was easily detected by a novel USG-guided saline flush test. We present a case report where USG was used for detection of a misplaced CVC (from right
Malposition of central venous catheter detected by ultrasonography-guided saline flush | 2

internal jugular vein to right subclavian vein). With ultrasound, the location of the catheter tip can be confirmed in very less time compared with chest X-ray.

Reference:


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