We used linear USG probe to check malposition of guidewire and microconvex probe to confirm position of central venous catheter” Midha et al (2017).

Abstract:

Ultrasound (USG) guidance has long been used for guiding central venous catheterization. USG provides direct visualization of needle puncture through the skin into the vein. Most of the time USG guidance is just limited to puncturing of the vein and seeing guidewire entering the vein while malpositioning of catheter occurs after that which is seen later on while checking chest radiograph. Repositioning of catheter after that becomes not only difficult requiring repeated chest radiograph to reconfirm position of catheter but also increases chances of infection with repeated manipulations.

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USG guidance can be used for tracing both guidewire and catheter during the procedure to prevent malpositioning of catheter, thus when done at the right time can prevent complication related to malpositioning and repeated manipulations. We used linear USG probe to check malposition of guidewire and microconvex probe to confirm position of central venous catheter.
Reference:


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