

“We report a significant complication that occurred during double guidewire insertion”
Fukugasako et al (2014).

Reference:

Fukugasako, H., Mishima, Y., Ito, A., Kozasa, Y. and Ushijima, K. (2014) A significant complication that occurred during insertion of dual guidewires into the right internal jugular vein for central venous catheterization. A A Case Reports. 3(10), p.133-5.

Abstract:

We report a significant complication that occurred during double guidewire insertion. The first guidewire (GW1) was inserted under ultrasonographic guidance, whereas the second guidewire (GW2) was inserted by the landmark-based method. Subsequently, GW2 penetrated and entangled with GW1, which caused difficulty in removing both guidewires. A dilator was used to dilate the puncture site, allowing simultaneous removal of both guidewires with minimal invasion. The first guidewire was found to be pointing in a cranial direction, indicating the manner in which the second guidewire’s puncture needle had penetrated it. Thus, when double cannulation is performed, guidewire position should be confirmed.

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