



“We report a case of posterior wall hematoma formation in the internal jugular vein after the puncture of central vein.” Morimoto et al (2014).

Reference:

Morimoto, Y., Tanaka, E., Shimamoto, Y. and Tokumine, J. (2014) Dissection of the posterior wall by guide-wire during internal jugular vein catheterization. Journal of Anesthesia. August 20th. .

Dissection of the posterior wall by guide-wire during internal jugular vein catheterisation
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Abstract:

We report a case of posterior wall hematoma formation in the internal jugular vein after the puncture of central vein. An 82-year-old woman was scheduled for laparotomy for an abdominal incisional hernia. After induction of general anesthesia, we performed central venous catheterization via the right internal jugular vein under ultrasound guidance in the short-axis view and out-of plane technique. The ultrasound view after insertion of a guide-wire revealed a hematoma-like space on the posterior wall of the vein. We removed and reinserted the guide-wire. This time, insertion of the wire and catheter was uneventful. Seven days after the surgery, no hematoma-like space was found in the vein. The malposition of the



guide-wire was detected before dilation, which enabled us to avoid complications in this case. We should note that the confirmation of guide-wire placement in the vein is important during ultrasound-guided central venous catheterization.

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