To analyze postoperative complications of totally implantable central venous port system (TIPCVP) deployment and develop methods of their prevention” Smolyar et al (2019).

Abstract:

OBJECTIVE: To analyze postoperative complications of totally implantable central venous port system (TIPCVP) deployment and develop methods of their prevention.

MATERIAL AND METHODS: The study involved 43 patients who underwent TIPCVP implantation through right-sided jugular access and 3 patients with migration of the catheter transferred to the Domodedovo Central City Hospital.

RESULTS: There were four perioperative and one early postoperative complication. None of the complications was the reason for removal of TIPCVP. Pinch-off syndrome occurred in two patients who were operated in other hospitals and a catheter was inserted through the right subclavian vein.

CONCLUSION: Injury of the carotid artery and pneumothorax can be avoided by ultrasound navigation during internal jugular vein puncture. Catheterization of the internal jugular vein is useful to avoid pinch-off syndrome. Migration of the catheter is successfully cured by endovascular methods.
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