

Reperfusion Injury as a Complication Associated with Peripherally Inserted Central Catheters

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Abstract : Peripherally inserted central catheters (PICCs) are usually used for patients who require long-term intravenous therapy. Various complications have been reported with the use of PICCs, such as occlusion, infection, dislodgement, and leakage. Phlebitis, pericardial effusion, and pleural effusion are relatively rare complications that can sometimes lead to death.¹⁾²⁾ There have so far been no previous reports of reperfusion injury due to the use of PICCs. Reperfusion injury is an injury that occurs when blood circulation is restored to previously ischemic tissues. The following report describes a case with hyperkalemia and multiple organ failure suspected to be due to reperfusion injury as a complication of a PICC.

Key words : PICC, Neonate, Hyperkalemia, Ventricular tachycardia, Thrombosis