The most commonly used permanent venous access devices in cancer patients are the port, PICC port and PICC catheter (peripherally inserted central catheter)" Zapletal et al (2019).

Abstract:
The most commonly used permanent venous access devices in cancer patients are the port, PICC port and PICC catheter (peripherally inserted central catheter). It is always necessary to consider the type of venous access needed for each individual cancer patient. Implantation should be performed using modern instruments to minimize the risk of early and late complications and thereby a delay in oncological treatment. The use of ultrasound is recommended at all stages of introduction. Precise tip placement of the central catheter in the sinoatrial junction region further reduces the number of thromboses arising in the catheter. A trend towards the treatment of catheter infections is certainly to maintain the venous access without compromising the patients health. Permanent venous access devices allow the application of chemotherapy and repeated blood sample collections with minimal impact on the quality of life in cancer patients.

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