Background: Many patients with intravenous chemotherapy have an intravenous port system because of high tissue toxicity of most chemotherapeutic agents in the case of paravasation. With more port systems implanted, the rate of complications is increasing. Apart from catheter thrombosis, we primarily know of fracture of the port catheter. Case Report: We describe 3 patients of our chemotherapeutic clinic who experienced complications of the intravenous port system implanted in the vena brachialis. All of them showed fracture and loss of the port catheter, followed in some cases by symptoms such as cardiac problems. Conclusion: We have to discuss the use of intravenous port systems. Besides their comfortable use, intravenous port systems have to be handled with care and it has to be considered in every case if there really is the need for an implantation.

Stichworte: Venous port system; Intravenous chemotherapy; Catheter fracture