

Using permanent dialysis catheters – single centre experience

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Hemodialysis is the most common therapy for treating patients with kidney failure. Its primary goal is establishing volume homeostasis and electrolyte balance which accompany chronic renal failure, and its long-term goal is to improve patient's general condition and to normalize arterial blood pressure, to prevent uremia and other complications that can occur during the treatment.



Medical instruments

Approximately 160 patients with hemodialysis are being treated at the moment in our Centre. For hemodialysis it is necessary to have an adequate vascular approach which can either be an arteriovenous fistula, usually created by a surgeon, or a temporary/permanent central venous catheter.



Implementation procedure of permanent central venous catheter



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This research serves to demonstrate our results of the placement of permanent central venous catheters for a hemodialysis procedure.

During 2015 we have placed 49 permanent catheters (Teso catheters), 25 in 2016 and 29 in 2017. Furthermore, we will show the important role of a nurse with preparing the patient and all the necessary materials for the procedure, nurses tasks during the procedure and adequate care after the it, including the importance of early recognition of possible complications. In order to minimize complications, it is important to inform and explain the procedure to the patients and ensure a good cooperation between nurses and technicians with doctors, radiologists and radiology technicians during the whole process.

OBRAZAC ZA PRAĆENJE POSTAVLJANJA TRAJNOG CENTRALNOG VENSKOG KATETERA					
Ime pacijenta: _____ Datum rođenja: _____ Mjesto bor: _____ Odbor: _____ Oznaka grupe: _____		Datum: _____ Op. sala br: _____ Mjesto postavljanja katetera: _____ Uzlazak/izlazak pacijenta uzr. sala: _____			
Operator: _____ Anestez: _____ Mjest anestezije: _____ Ozn. anestezije: _____		Vrsta CVK: _____ Puna dužina: _____ Dužina CVK: _____ HEPARIN DURALOCK		LOT: _____ HEPARIN DURALOCK	
Sal	Krvni tlak	Puls	SpO2	Intervencija:	Simptomi:
Podpis medicinske sestre: _____ Podpis anestezije: _____ Podpis radiologa: _____					

Form for tracking permanent central venous catheter implementation