

**Abstract Type : Poster**

**Abstract Submission No. : PO-1769**

## **Complications of temporary catheter in hemodialysis**

**Sanae Ezzaki**, Imane Failal, N. Mtioui, S. Elkhayat, M. Zamed, G. Medkouri, M. Benghanem, B. Ramdani  
Department of nephrology, chu ibnrochd, Morocco

**Objectives:** The use of central venous catheter (KT) is a must in hemodialysis (HD) in front of the emergency and / or absence of fistula arteriovenous (FAV) function. Although the central venous catheter overcomes the emergency, its use is grafted multiple serious complications include vascular and infectious.

The aim of our work is to study over a year vascular complications occur in our training.

**Methods:** This is a retrospective study of 12 months (December 2018-March 2019), performed in the dialysis service CHU Ibn Rushd, Casablanca. We analyzed all patients with central venous catheter in hemodialysis, we identified the various complications during their follow-up, primarily vascular (thrombosis, hematoma, pseudoaneurysm and fistula arteriovenous ) and infectious. Dialysis is shown before an emergency for patients in acute and end-stage kidney disease and in hemodialysis for not having fistula arteriovenous.

**Results:** We asked 215 central venous catheters (KT) over the period. We observed 20 complications was 10.7%. These complications occurred for central venous catheter in all femoral position. The average age of patients was 38 years (18-64), with a sex ratio of 2. The average time between the laying of KT and diagnosis of the complication is 9 days. Vascular complications occurred in 8 patients 40%, represented by KT thrombosis in 6 patients. A hematoma is observed in 2 cases, requiring the withdrawal of central venous catheter monitoring. Infection was diagnosed in 10 patients (50%).

**Conclusions:** While laying central venous catheter is a wave of rapid implementation, allowing the correction of dialytic emergency, it can develop serious complications threatening, in this sense it is imperative to respect the hygiene measures in the pose.