

Conference Theme

Global Approach to Renal Care Innovation-
Balancing Compassion and Health Technologies



**Dialysis nurses play an essential role in the survival of
arteriovenous fistula**

The 47th EDTNA/ERCA International Conference
Genoa, Italy, September 15th – 18th, 2018

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Introduction

Active monitoring of arteriovenous fistula (AVF) = PRIORITY in nursing care

- **The goal of AVF management is :**
 - To maintain a functional access with sufficient flow
 - To prevent dysfunctions

Objective

The goal is simple...

**EVALUATE THE BENEFIT OF VASCULAR ACCESS
MONITORING IN REDUCING COMPLICATIONS**

Methods

- **Nursing practices focus on 3 roles :**

- A clinical assessment role

- A technical role

- An educational role

The Nephrocare Clinic's nurses developed a protocol to monitor the AVF blood flow by measuring the recirculation with the thermodilution method

Methods / AVF MONITORING

- **After the first use :**

- Plan a blood flow control one month after the first puncture
- One monitoring per month while one quarter

- **After an angioplasty :**

- Note the angioplasty date on medical record
- Plan a Blood flow control one month later
- Then plan a monitoring every quarter

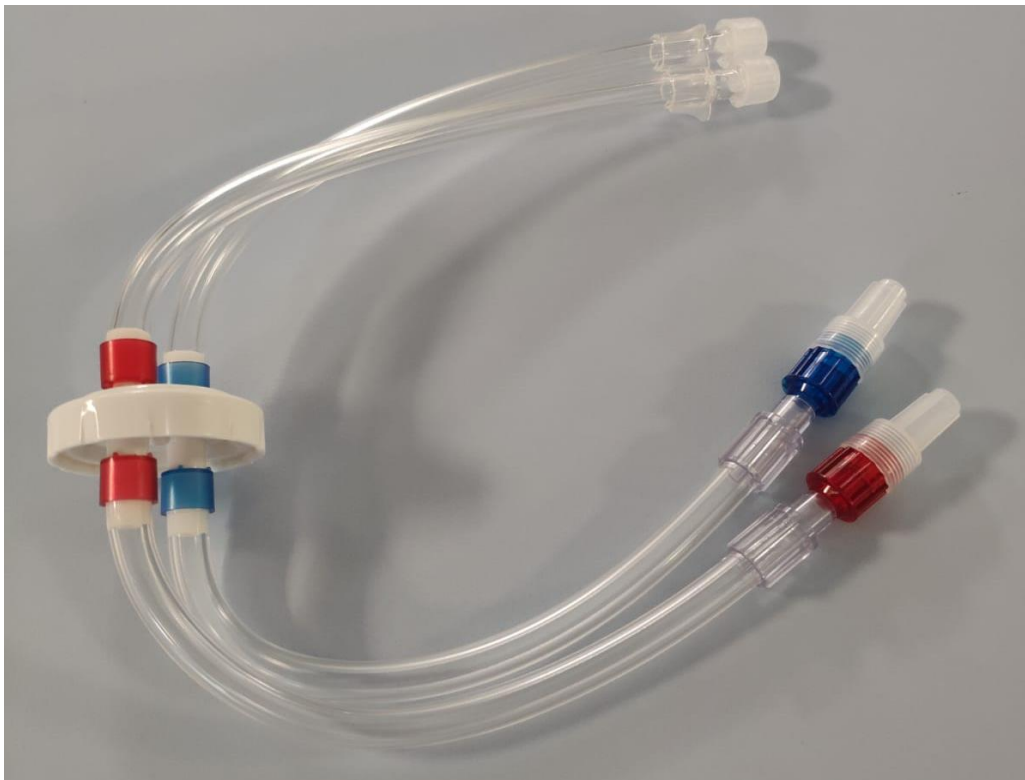
- **A functional AVF**

- One monitoring every semester

Two meeting per year to evaluate the frequency of monitoring to each patient

Methods / Tools

- **5008 therapy system & BTM (Blood Temperature Monitor)**
- **TWISTER / Fresenius Medical Care Original Accessory**



Results

- **From January 2015 to December 2017:**
 - **1601** AVF monitoring by thermodilution measurements
 - **12.2%** of measurements required fistulography
 - **99.5%** of the requested fistulography resulted in angioplasty

Conclusions

**Monitoring vascular access
=
Essential for longevity**

**Early detection of vascular access complications by nurses
ensure long lifetime of the VA, comfort and quality of life
to the patient**

**Thank You Very Much
for Your Attention!**

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