How do we Minimize the Risk of Venous Needle Dislodgement?

Presented by
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Joint Project between EDTNA/ERCA & Redsense Medical
SEBASTIEN BOLLUE

- Sebastien has a Master Degree of International Business focusing on Sales & Marketing

- During Sebastien’s Master Studies, Sebastien took on a project together with Redsense Medical which later formed the platform of his thesis

- In 2016 Sebastien started to work at Redsense Medical as the Commercial Operations Manager
THE BACKGROUND

It all started 2008 when EDTNA/ERCA identified the gap of knowledge about VND - Venous Needle Dislodgement

And the question was – how and what can we do to increase the awareness about VND and the consequences if nobody acts?
WE NEED TO MINIMIZE THE RISK OF VND!
COLLABORATION OBJECTIVES

- Optimize patient safety during HD/HDF treatment
- Ensure that staff, patients and carers are aware of “Venous Needle Dislodgement risks” and the consequences
- Facilitate accessible tools for minimizing the risks of VND and to determine patients at risk.
- The overall objectives makes “Safety Going Digital”
ANALYSIS OF EXISTING DOCUMENTATION & EDUCATIONAL MATERIAL

- The literature was very scarce
- It was hardly found in textbooks
- Little attention was paid to educational materials
- It was rarely discussed in congresses
THE COLLABORATION

- Start up of the Collaboration between EDTNA/ERCA and Redsense Medical


- Survey
- Development and Design of the Application
- Survey
- Posters developed into 11 languages
- Survey

2019

- English
- Spanish
- German

Survey
OBJECTIVES - THE APPLICATION

- To increase healthcare professionals’ awareness of Minimizing the risk of VND
- To provide an educational tool which include Patient Education
- To implement this knowledge into practice and to improve patient quality of life
- To encourage Teamwork among Nurse, Patient and Carer
- To highlight the 12 steps which are extremely important
- To have easy access to the information
THE VND TRANSLATION TEAM

The Application and have been brought together thanks to the involvement of several EDTNA/ERCA Volunteers’ who have the expertise and made this happen!

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Tai Mooi Ho is a Registered Nurse from Barcelona

She has worked in nephrology nursing since 1980, covering several aspects of this specialist area and gained experience in adult haemodialysis.

She has been a member of the EDTNA/ERCA since 1990, and currently is EDTNA/ERCA Project Coordinator.
BACKGROUND 1

According to the European Renal Care Providers Association, at the end of 2016 about 2.65 million patients received haemodialysis (HD) worldwide. In the EU, last year 329,000 patients received 49.8 million HD treatments.


Vascular access complications are a major cause of morbidity, leading to a high percentage of hospitalisation and in some cases even death.

BACKGROUND

ALL patients on HD are exposed to VND - a potentially life-threatening complication during treatment.

Currently, the usual HD blood flow rate is ≥350ml/min.

A dislodged needle can cause SEVERE BLOOD LOSS within a few minutes!

OBJECTIVES

To raise awareness among staff, patients and carers that VND can happen.

To recommend the use of this accessible tool, which provides EDUCATION on care of the vascular access for healthcare professionals, patients and carers to prevent VND.
CONCLUSION

- VND may happen at any time, to any patient and in any HD unit, at home or during nocturnal HD. Patients treated in isolation rooms are at greater risk.

- The use of a VND detection device is recommended in those patients at risk. This will help to ensure a safer HD treatment.

- It is important to create and promote a blame-free work environment.

- Reporting accidents such as VND is crucial and makes the unit even safer because we all can learn from those accidents.

- Translation of the VND App in additional language increases
Thank You for your attention!