

Shift reports promote improvement of key parameters

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Introduction

The definition of dialysis adequacy comprises a good rehabilitation of patients, acceptable diet restriction, and satisfactory erythrocyte production, maintenance of normal blood pressure and prevention of uremic neuropathy.

Objectives

To control the parameters of the dialysis treatment on an individual patient basis and prevent the occurrence of complications during treatment.

Methods

After every shift, the head nurse regularly controls each patient, i.e. total blood flow, Kt/V by an automatic intradialytic measurements, effective duration of dialysis, average blood flow, and the total infusion volume of on-line haemodiafiltration. In case of any deviation from the target values, she contacts the nurse who delivered the treatment to determine potential reasons for the deviation.

Results

In October 2016, we achieved 89.8% of the target values set for the effective duration of the dialysis treatment. Since the implementation of this daily control in January 2017, we achieved 92.2% of our target values. For the parameter total infusion volume of on-line haemodiafiltration, we achieved 76.1% in October 2016 with an improvement in January of 87.8% of the given monthly target. After a follow-up period, we came to the conclusion that by regular control of treatment adequacy against the set goals we can prevent complications and determine which patients have difficulty in achieving certain parameters for objective reasons. On the other hand, we motivated nurses to pay maximum attention to every treatment and inform physicians during the treatment about any changes in order to initiate appropriate measures.

Conclusion

Surveillance is an important strategy used by nurses to improve patients' outcomes, particularly safety. Patients in critical and acute care settings are at risk for medical errors and adverse events, making effective surveillance even more imperative in these settings. Analysis of the report after the completed shift contributed to improving the quality of haemodialysis treatments.

Prompts

Date HD treatment

Total blood flow >200

OCM Kt / V >1.6

Effective duration of dialysis > 250min

Total infusion of "on-line" fluids >20L

Figure 1

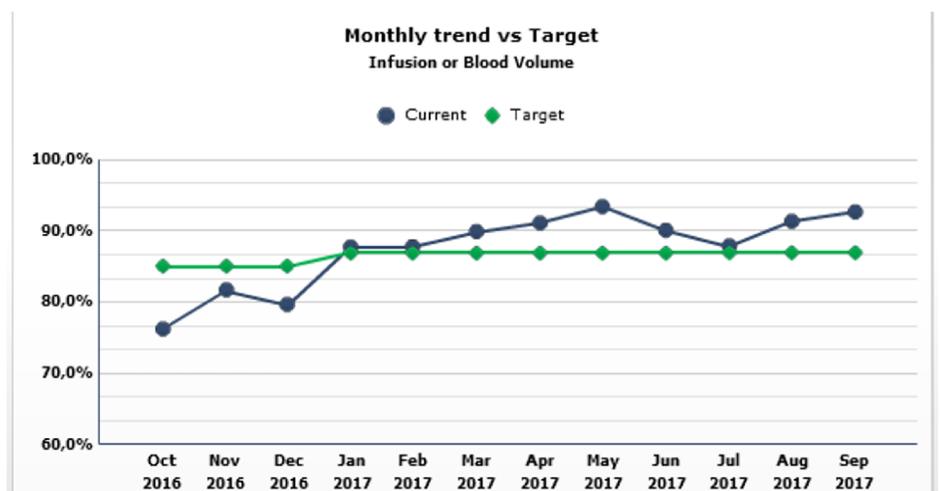


Figure 2

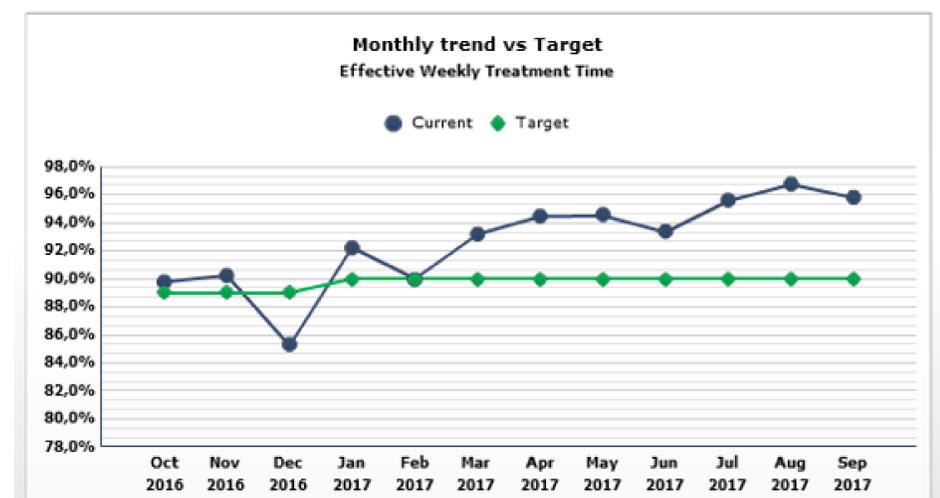


Figure 3

References

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