

Redesigning workflows to optimize benefits: Needling while priming

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Introduction

There are a number of models and strategies for the alignment of workflow processes and quality testing. Although the characteristics of these methods might differ, they have a common core idea. Testing the revised workflow before implementation can not only save time and money, and the commitment of users who would otherwise be frustrated, but also provides valuable knowledge for the redesign of other processes.

Objective

To optimise time required during patient connection and resources used.

Methods

We evaluated whether patient assessment and needle placement were possible during priming of the extracorporeal blood circuit.

We measured the time before and after needle placement during priming and evaluate the changes in the nurse's workload.

Results

With the 'Needling While Priming' procedure we were able to save almost 10 minutes per nurse and shift, mainly during connection procedures, i. e. from 50.04 to 40.09 minutes with a nurse/patient ratio of 1:4.

These time saving allows nurses to optimise time for:

- Dialysis room preparation
- Patient assessment

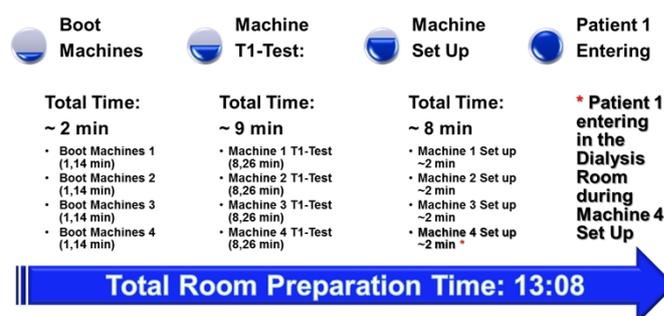
Patient connection and disconnection

Conclusion

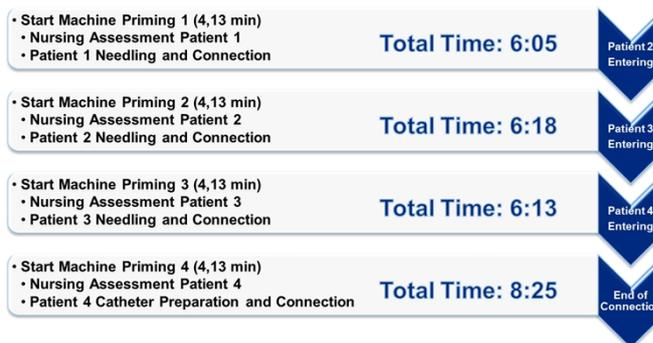
Healthcare professionals and administrators continuously seek for ways to enhance patient care, while improving operational and cost efficiency. As nurses are on the frontline when it comes to patient care, improving their workflow can provide a substantial benefit for patients and shift scheduling. More efficient processes increase the time nurses can spend for patient care.

References

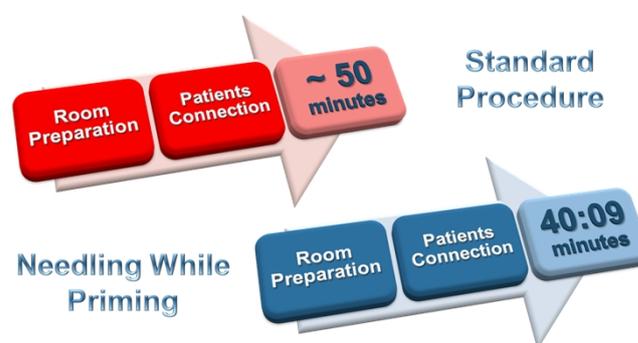
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Dialysis room preparation



Assessing, needling and connecting patients



Time saving using „Needling While Priming“