Abstract

Background
An understanding of peripherally inserted central catheter (PICC) complications, dwell time, and insertion data was difficult to obtain without extensive chart audits. Without this information, tracking of complication data was not conducted.

Purpose
The purpose was to create a database that easily compiled data for every PICC insert in the facility. This data can then be formatted into monthly reports.

Project Description
An access database was created by the writer's facilities IT department. The PICC line information for each PICC placed is entered into the PICC Quality Assurance (QA) database at the time of insertion, any pertinent information during the length of stay is also entered, and the removal date and reason is entered when the line is removed. The information is compiled into monthly reports.

Results
The database began in September 2008. It now contains over 8,314 PICC insertion information. Each patient’s PICC information can be sorted by patient medical record number allowing the inserting clinician to look up the patient’s information prior to insert to assess any PICC history prior to insert attempt.

Implications
The data gained from the database has resulted in many process changes for the facility including the following:
- Implementation of a chlorhexidine gluconate impregnated disc at the insert site
- The use of chlorhexidine gluconate impregnated catheters for the prevention of deep vein thrombosis
- Elimination of routine chest xrays by the implementation of a tip locating device
- Unnecessary attempts for patient with known insertion complications

Conclusions
The PICC QA Database has improved the care of the patients who receive a PICC at the writer’s facility. The information gained from the database has resulted in process changes and an understanding of complication issues.

References
Tracking PICC Data
Sarah Robinson, MSN, RN, VA-BC
Mary Loucks, RN, VA-BC
Munson Medical Center, Traverse City, MI
Tracking PICC Data
Sarah Robinson, MSN, RN, VA-BC
Mary Loucks, RN, VA-BC
Munson Medical Center, Traverse City, MI

Project Description

QA PICC Database

Enter MRN >>> Select Patient

Add New Patient / Remove All

Close Database

Results

<table>
<thead>
<tr>
<th>Insert Date</th>
<th>Clinician</th>
<th># Attempts</th>
<th>Vein of Placement</th>
<th>Final Inserted Length</th>
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<td>7/13/2015</td>
<td>Callaghnan, E</td>
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<td>Basilic, Right</td>
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</table>

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