

# 10<sup>th</sup> Global Nursing & Healthcare conference

August 18-19, 2016 Sao Paulo, Brazil

## Patient safety in the preparation and administration of antibiotics: Implications for nursing

Geórgia Alcântara Alencar Melo<sup>1</sup>, Francisco Gilberto Fernandes Pereira<sup>1</sup>, Livia Moreira Barros<sup>2</sup>, Natasha Marques Frota<sup>2</sup> and Joselany Áfio Caetano<sup>3</sup>

<sup>1</sup> Master in Nursing Graduate Diploma in Nursing at the Federal University of Ceará Program.

<sup>2</sup> PhD in Nursing Graduate Diploma in Nursing at the Federal University of Ceará Program.

<sup>3</sup> PhD in Nursing. Professor of the Graduate Program in Nursing Federal University of Ceará

This study aimed to evaluate the conformities and non-conformities in the preparation and administration of antibacterials. This is an observational and cross-sectional study conducted from August to December 2014 in clinical units of a hospital. The sample consisted of 265 doses of antibacterials, which had their preparation and administration steps observed through two check-list in three shifts. Data were analyzed using descriptive and analytical statistics, and all ethical procedures were followed. The non-compliance more frequent in both steps was the failure of semiotics 265 (100%). The organization was associated with a greater number of errors in the choice of drug ( $p=0.027$ ); the use of prescription and confirmation of the patient's name had nothing to do with the errors ( $p=0.942$ ). By analyzing the specific variables of each phase, there was a higher frequency of actions of non-compliance on the labeling of the drug 265 (100%) for the preparation and use of the prescription to confirm the data of the drug and the patient 243 (91.7 %) at the time of administration of the antibacterials. Paradoxically, during the process of preparation, it was found higher degree of compliance in the item that evaluated the use of prescription to confirm the patient's name 222 (83.8%). Thus, it is concluded that behavioral changes in the work process must be implemented to reduce non-conformities and consequently medication errors.

### Biography

Geórgia Alcântara Alencar Melo has completed her Master's in Nursing Graduate Diploma in Nursing at the Federal University of Ceará Program.

[georgiaenf@hotmail.com](mailto:georgiaenf@hotmail.com)

### Notes: