

## **Are children with life- limiting conditions compared to children who do not have life- limiting conditions, at an increased risk of multi drug resistance, pathogens colonization?**

Safety is always the greatest concern for patients, within the patient nurse relationship. As a nurse or any medical practitioner, keeping patients safe should be of highest priority. Children with life- limiting conditions are at higher risk for contracting infections. For an example, cancer is a life-limiting condition seen in children. A child with cancer will frequent hospitals, and clinics and will likely be exposed to infection more often than children who do not have a life limiting condition. Additionally, children in this category are also likely to have a compromised immune system leaving them to be more accessible to infection. “Despite big advances in antimicrobial therapies and infection strategies, the emergence of antibiotic resistance represents an emergency situation, especially in immunocompromised hosts” (Bassetti,1). Yes, children with life-limiting conditions compared to children without life limiting conditions are at an increased risk for multi drug resistance, pathogens colonization. This is a result of the overuse of antibiotics. “Reemergence of gram-negative infections and increased antimicrobial resistance due to overuse of antibiotics in cancer patients have changed the epidemiology of bacteremia in neutropenic patients in the past decade” (Bassetti,2). Now that we have evidence to support that multi drug resistance is increased in children with life limiting conditions what can be done to counter the increase. According to the clinical Journal of Oncology Nursing the following are everyday practices that should be used to decrease risk of multi drug resistance in children:

- Antifungal prophylaxis
- Vaccinations
- neutropenia
- handwashing, gloves, gowns
- Diet
- Flowers and Plants

(Zitella, 739).

In conclusion after researching about children and multi drug resistance, I have concluded that children with life limiting conditions utilize antibiotics more often and the overuse of antibiotics are the major cause of multi drug resistance in the children (Blaser, 1). The most interesting thing concluded is that essentially the practice of preventing infection, is what is causing the drug resistance in the mentioned population.

#### Citation

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