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**PEDIATRICS AND NEONATOLOGY**  
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## **TITLE: “Fight to Survive: An analysis of the factors related to the control and elimination of outbreaks of multidrug resistant bacteria in the Neonatal Intensive Care Units”**

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### **ABSTRACT**

The purpose of this presentation is to provide the pediatrician and the hospital personal, with applicable guidance on the management of outbreaks and infections of multi-resistant bacteria in the neonatal intensive care unit.

The focus will be on the different strategies for the prevention and control of outbreaks of multi-resistant bacteria, and the application of these strategies to the personnel and infrastructure of the unit.

A brief comparative analysis of different neonatal intensive care units around the world and the similarities and differences in the management of outbreaks and infections will be reviewed in this presentation.

The importance of sanitary and epidemiological surveillance and monitoring of outbreaks that can potentially occur in the pediatric intensive care unit will be addressed in a practical way.

We will briefly reviewed about the conscious use of antibiotics, and how the early and prolonged use of antibiotics, added to the long hospital stays of neonates in intensive care, has allowed a heterogeneous group of resistant and multi-resistant bacteria to cause infectious outbreaks in critical hospital areas.

I can talk about the keynote experience using a strategy to eradicate an outbreak of Carbapenemase-producing *Klebsiella pneumoniae* was implemented in the neonatology area of a

hospital in Ecuador, demonstrating that the main control measure was education for health personnel working in the neonatology area.

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## **BIOGRAPHY (upto 200 words)**

I'm Santiago, I am an Ecuadorian pediatrician who completed his studies at the age of 31 years in the Pontificia Universidad Católica del Ecuador.

I had a scholarship in pediatrics in the Hospital Metropolitano de Quito-Ecuador.

Once I finished my studies, I started to work in the Department of Pediatrics and Neonatology of Hospital Metropolitano, and currently I am chief of the pediatrics residents, and their teacher on behalf of Universidad Internacional del Ecuador.

I am author of four books chapters, two original researches and active participant in investigation of the hospital.

I have been keynote in many congresses, national and international, and I am member of the Ecuadorian Society of Pediatrics.

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**Mode of Presentation:** Oral.

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