



## **Case presentations of Cleft and lip palate surgery with stems cells on Barranquilla Colombia, south America. A 22 years' experience**

### **Authors :**

Jorge Leyva, Anamaria Cadena



### **Institutions :**

Portoazul clinic / fabrica de sonrisas foundation / stem cells /Barranquilla Colombia south america

### **Abstract :**

The purpose of this study is to present the obtained results with the use of stem cells and osteoinductor bone graft on alveolar cleft reconstruction.

We will present a number of patients of the fabrica de sonrisas organization(smile factory) on whose were applied the protocol for gingivoperiosteoplasty with the inclusion of mesenchymal stem cells collected from the umbilical cord blood and from the wharton gel from the cord tissue.

This study shows a 22 year experience on a south american city following the philosophy of Pr Jean Delaire. We will present some cases with cone beam tomography x rays before and after surgery and show the bone growth after the appliance of stem cells and osteoinductor bone graft on the surgery site