



# **IMPACT OF CLEFT SURGERY- A RETROPROSPECTIVE STUDY ON NATIVE POPULATION.**

By

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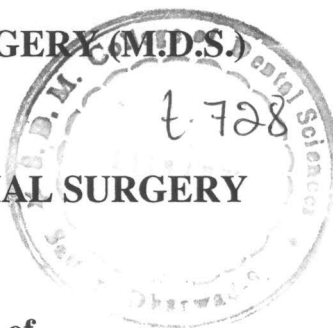


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**MASTER OF DENTAL SURGERY (M.D.S.)**

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## **ABSTRACT**

### **Background and Objectives:**

The management of a child born with a cleft lip and palate requires The aims and objectives of the present study was to evaluate parenteral psychological status regarding their children's condition, to understand cultural and societal attitudes towards cleft deformity, to explore the differences in caste and educational status with respect to parents attitudes, to understand parents reaction towards the surgical correction of their child, to educate and counsel the parents to make them the active participant in their child's health care, and finally to study and understand the psychological impact of cleft surgery on cleft patients and their parents

### **Method:**

Parents of the children affected with oro-facial clefts were interviewed using 'Tata institute of social sciences' questionnaire for children born with cleft lip / palate in India. A second Questionnaire was designed to interview parents' knowledge regarding clefts, beliefs regarding the causation and expectation of what surgery would accomplish, and their satisfaction with the surgery, to measure the level of impact of cleft surgery on patients and their family.

The sample comprised of 620 patients, divided into three age groups, 0-5 years and 5-10, and 11-15 years. Questionnaires were designed to understand society related issues of cleft, to access the parental aspects involved while dealing with cleft child, the extent to which their child's condition has handicapped their family. To evaluate

the psychological impact of cleft surgery on the Q.O.L. of the patients in particular and their family in general.



### **Results:**

In the present study we have calculated the impact scores for 3 age groups. Various parameters were measured between the defined age groups, sex and location. A mean of 25.1636, 25, and 25.4737 was obtained for age group of 0-5, 6-9, and 10-15 respectively, and standard deviation of 2.6088, 2.8284 and 2.5026 was found for the same age groups.

ANOVA test was carried out and F and P value was found to be 0.2114 and 0.8098, which is statistically non significant.

### **Interpretation & Conclusion:**

Subjects do not perceive that the cleft consequences have influenced their lives to a great extent

Questionnaires are useful and cost-effective method to investigate attitudes and concerns

Combined clinics with a clinical psychologist should be available in high volume units to optimize the results