

**ASSOCIATION OF METHYLENETETRAHYDROFOLAT REDUCTASE C677T/A1298C  
POLIMORPHYSMS WITH THE SUSCEPTIBILITY TO CHIDHOOD OF NONSYNDROMIC  
CLEFT LIPS WITH OR WITHOUT CLEFT PALATES IN NORTHERN  
SULAWESI POPULATION**

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**ABSTRACT**

**Background**

Cleft Lip / Cleft Palate are the most common congenital abnormality found in this world.

**Patient and Methode**

21 children non sindromic Cleft lips with or without cleft palates and 21 children control was performed in 2012. This research is study distriktiv. A case control study. With Real-Time PCR technology has enabled the detection and amplification polymorphism A1298C and C677T MTHFR clearer.

**Results**

There is a significant association relationship C677T and A1298C genotypes between case and control groups.

**Conclusions**

In the C677T and A1298C polymorphism there is a relationship with the possibility of nonsyndromic children cleft lip with or without cleft palate in northern Sulawesi.

**KEYWORDS:** Cleft Lips / Cleft Palates, Polimorphysms, Genetics