

Distribusi polimorfisme gen wingless type 3a (Wnt3a) rs 752107 pada penderita orofacial cleft = Distribution of wingless type 3a (Wnt3a) rs 752107 gene polymorphism in orofacial cleft

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Abstrak

Latar Belakang: Gen Wnt3a berperan pada pembentukan orofacial cleft.

Tujuan: Melihat distribusi polimorfisme gen Wnt3a rs 752107 pada penderita OFC.

Metode: Menggunakan teknik PCR-RFLP pada 30 sampel DNA penderita OFC dan 70 DNA kontrol, diperoleh gambaran polimorfisme gen tersebut.

Hasil: 100% sampel penderita OFC memiliki genotip CC (wildtype). Selanjutnya, dengan uji chi-square menunjukkan tidak terdapat perbedaan bermakna antara distribusi polimorfisme gen Wnt3a rs 752107 pada penderita OFC dan kontrol ($p > 0.05$).

Kesimpulan: Pada penelitian ini tidak ditemukan distribusi polimorfisme gen Wnt3a rs 752107 pada penderita OFC.

Background: Wnt3a plays role in the process orofacial cleft.

Aim: to observe the distribution of Wnt3a rs 752107 gene polymorphism in OFC.

Methods: This research were used PCR-RFLP technique of 30 OFC and 70 control DNA samples, obtained a description of the gene polymorphism.

Results: 100% OFC samples have CC genotype (wildtype). Then, with chi-square test in SPSS 22 there were found no significant differences between the distribution of the gene polymorphism in OFC and control ($p > 0.05$).

Conclusion: In this research found no distribution of Wnt3a rs 752107 gene polymorphism in orofacial cleft.