

## Distribusi pola polimorfisme leptin G-2548A pada pasien dengan dan tanpa osteoporosis = Pattern distribution polymorphism leptin G-2548A in human with and without osteoporosis

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### Abstrak

[<b>ABSTRAK</b><br>

Penelitian ini bertujuan untuk menganalisis distribusi pola polimorfisme gen LEP G-2548A pada pasien dengan dan tanpa osteoporosis. Seratus sampel terdiri dari pasien dengan osteoporosis (50 sampel) dan pasien tanpa osteoporosis (50 sampel). Polimorfisme gen LEP G-2548A dianalisis menggunakan metode PCRRFLP. Perhitungan distribusi genotip dan alel pada kedua kelompok menggunakan uji Fisher. Frekuensi alel A dan genotip AA gen LEP G-2548A pada pasien osteoporosis berisiko meningkat dibandingkan pada pasien tanpa osteoporosis. Genotip LEP G-2548A pada pasien dengan dan tanpa osteoporosis memiliki hubungan tidak berbeda bermakna ( $p = 0,191$ ). Distribusi pola polimorfisme gen LEP G-2548A berisiko meningkat pada pasien dengan osteoporosis

<b>ABSTRACT</b><br>

The aim of this study was to analyzed pattern distribution polymorphism LEP G-2548A in patient with and without osteoporosis. One hundred samples consist of patient with and without osteoporosis. Genetic polymorphism LEP G-2548A were analyzed by PCR-RFLP methods. The calculation of the distribution of genotypes and alleles in both groups using Fisher test. The frequency of A allele and AA genotype LEP G-2548A gene presented increased risk in patient with osteoporosis. Statistical analysis of LEP G-2548A gene using fisher test between patient with and without osteoporosis showed no significant differences ( $p=0,191$ ). Distribution of leptin gene G-2548A polymorphism pattern presented increased risk in patient with osteoporosis; The aim of this study was to analyzed pattern distribution polymorphism LEP G-2548A in patient with and without osteoporosis. One hundred samples consist of patient with and without osteoporosis. Genetic polymorphism LEP G-2548A were analyzed by PCR-RFLP methods. The calculation of the distribution of genotypes and alleles in both groups using Fisher test. The frequency of A allele and AA genotype LEP G-2548A gene presented increased risk in patient with osteoporosis. Statistical analysis of LEP G-2548A gene using fisher test between patient with and without osteoporosis showed no significant differences ( $p=0,191$ ). Distribution of leptin gene G-2548A polymorphism pattern presented increased risk in patient with osteoporosis, The aim of this study was to analyzed pattern distribution polymorphism LEP G-

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