**Table 1. The distribution of genotypes of C-634G *VEGFA* polymorphism according to Hardy-Weinberg equilibrium in the groups of cervical cancer patients and non-cancer controls**

|  |  |  |
| --- | --- | --- |
| **Genotype** | **Cervical cancer patients, N (%)**  **(n = 120)\*** | **Control group, N (%)**  **(n = 112)\*\*** |
| GG | 41 (34.0) | 54 (48.2) |
| GС | 59 (49.0) | 47 (42.0) |
| СС | 20 (17.0) | 11 (9.8) |

\* χ2 = 0.025; р = 1.031

\*\* χ2 = 0.027; р = 1.03

**Table 2. The analysis of the association between the rs2010963 *VEGFА*** **polymorphism and cervical cancer risk**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Genotypes/alleles** | **Cervical cancer patients, N (f) (n = 120)** | **Control group, N (f) (n = 112)** | **χ2** | **р** | **OR** | **95% CI** |
| Co-dominant model | | | | | | |
| GG | 41 (0.34) | 54 (0.482) | 5.48 | 0.067 | 0.557 | 0.328–0.946 |
| GС | 59 (0.49) | 47 (0.420) | 1.338 | 0.796–2.247 |
| СС | 20 (0.17) | 11 (0.098) | 1.836 | 0.837–4.03 |
| Multiplication model | | | | | | |
| G | 141 (0.59) | 155 (0.69) | 5.47 | 0.021 | 0.634 | 0.432–0.93 |
| С | 99 (0.41) | 69 (0.31) | 1.577 | 1.076–2.31 |
| Dominant model | | | | | | |
| GG | 41 (0.342) | 54 (0.482) | 4.73 | 0.031 | 0.557 | 0.328–0.986 |
| GС+СС | 79 (0.658) | 58 (0.518) | 1.794 | 1.057–3.044 |
| Recessive model | | | | | | |
| GG+GС | 100 (0.833) | 101 (0.902) | 2.35 | 0.119 | 0.545 | 0.248–1.076 |
| СС | 20 (0.167) | 11 (0.098) | 1.836 | 0.837–4.03 |

χ2, Pearson's chi-square test; CI, confidence interval; f, frequency; OR, odds ratio; P, significance of the between-group difference

**Table 3. The analysis of the association between the rs2010963 VEGFА polymorphism and spread of the tumor emboli in cervical cancer**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Genotypes/alleles** | **Cervical cancer patients with TE, N (f) (n = 41)** | **Cervical cancer patients without TE, N (f) (n = 79)** | **χ2** | **р** | **OR** | **95% CI** |
| GG | 10 (0.244) | 31 (0.392) | 4.025 | 0.14 | 0.499 | 0.215–1.161 |
| GС | 21 (0.512) | 38 (0.481) | 1.133 | 0.533–2.41 |
| СС | 10 (0.244) | 10 (0.127) | 2.226 | 0.841–5.893 |
| G | 41 (0.50) | 100 (0.633) | 3.935 | 0.049 | 0.580 | 0.338–0.996 |
| С | 41 (0.50) | 58 (0.367) | 1.724 | 1.004–2.96 |

χ2, Pearson's chi-square test; CI, confidence interval; f, frequency; OR, odds ratio; P, significance of the between-group difference; TE, tumor emboli