**Table 1. General clinical characteristics of vincristine polyneuropathy in children**

|  |  |
| --- | --- |
| **Type of neurological deficit** | **Total number of patients (n = 161), N (%)** |
| Combined | 98 (60.9) |
| Sensor and motor | 40 (24.8) |
| Sensor and autonomous | 24 (14.9) |
| Motor and autonomous | 14 (8.8) |
| Sensor, motor, and autonomous | 20 (12.4) |
| Isolated | 63 (39.1) |
| Sensor | 34 (21.1) |
| Motor | 18 (11.2) |
| Autonomous | 11 (6.8) |

**Table 2. Incidence of vincristine polyneuropathy depending on the genotype rs924607, N (%)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **VP present or absent** | **СС genotype (n = 69)** | **СТ genotype (n = 92)** | **ТТ genotype (n = 38)** | **P value** |
| VP «+» | 48 (69.6) | 79 (85.9) | 34 (89.6) | 0.011 |
| VP «-» | 21 (30.4) | 13 (14.1) | 4 (10.5) |

VP, vincristine polyneuropathy

**Table 3. Incidence of vincristine polyneuropathy in the patients with various rs924607carrier variants, N (%)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Genotype** | **VP «+» (n = 161)** | **VP «-» (n = 38)** | **OR** | **95% CI** | **P value** |
| ТТ | 34 (21.1) | 4 (10.5) | 2.27 | 0.75–6.86 | 0.205 |
| СТ + СС | 127 (78.9) | 34 (89.5) |
| СТ + ТТ | 113 (70.2) | 17 (44.7) | 2.91 | 1.41–5.99 | 0.004 |
| СС | 48 (29.8) | 21 (55.3) |

CI, confidence interval; OR, odds ratio for the subgroup comparison; VP, vincristine polyneuropathy

**Table 4. Clinical signs of vincristine polyneuropathy in children depending on the rs924607 genotype**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Clinical sign** | **Patients' number, N** | | | **P value** |
| **CC genotype (n = 48)** | **CT genotype (n = 79)** | **TT genotype (n = 34)** |
| NCI-СTCAE severity grade | | | | |
| 1st or 2nd | 32 | 54 | 24 | 0.931 |
| 3rd | 16 | 25 | 10 |
| Type of neurological deficit | | | | |
| Isolated | 18 | 31 | 15 | 0.826 |
| Combined | 30 | 48 | 19 |
| VP episode number | | | | |
| 1 | 13 | 26 | 11 | 0.775 |
| ≥ 2 | 35 | 53 | 23 |

VP, vincristine polyneuropathy