Table 1. Patients distribution into groups by sex and age

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| --- | --- | --- | --- |
| **Parameters** | **Study group** | **Control group** | **Total** |
| Number of patients in group | 95 | 90 | 185 |
| Male, (n=) | 56 | 51 | 107 |
| Female, (n=) | 39 | 39 | 78 |
| <55 years old, (n=) | 48 | 43 | 91 |
| >=55 years old, (n=) | 47 | 47 | 94 |
| Median age, years | 54 | 56 | 55 |
| Minimal age, years | 26 | 27 | 26 |
| Maximum age, years | 69 | 69 | 69 |

Table 2. Comparison of the main and additional research results between the control and study groups

|  |  |  |  |
| --- | --- | --- | --- |
| **Study parameters** | **Study group** | **Control group** | **Р** |
| **Total score of SF-36 quality of life questionnaire**  |
| Visit 1 | 79.84±9.85 | 80.29±10.45 | NS |
| Visit 2 | 73.7±7.49 | 74.97±8.91 | NS |
| Visit 3 | 69.23±7.03 | 68.45±7.14 | NS |
| Visit 4 | 73.19±7.58 | 71.78±7.26 | NS |
| **Points of the physical component of the SF-36 quality of life questionnaire, Total** |
| Visit 1 | 35.09±5.45 | 35.86±4.92 | NS |
| Visit 2 | 41.26±6.34 | 40.69±5.41 | NS |
| Visit 3 | 43.35±5.27 | 41.94±4.70 | NS |
| Visit 4 | 46.58±6.76 | 44.28±5.45 | 0.012 |
| **Points of the psycological component of the SF-36 quality of life questionnaire, Total** |
| Visit 1 | 44.74±8.47 | 44.44±8.75 | NS |
| Visit 2 | 32.44±8.65 | 34.27±8.65 | NS |
| Visit 3 | 25.88±8.10 | 26.51±7.58 | NS |
| Visit 4 | 26.61±7.86 | 27.5±7.18 | NS |
| Δ Hand grip strength, daN | 6.1±2.06 | 4.01±1.15 | <0.0001 |
| Respiratory support of all patients, days | 6.7±1.30 | 8.14±1.52 | <0.0001 |
| Duration of hospital stay, days  | 13.16±2.69 | 16.47±2.93 | <0.0001 |

Table 3. A comparison of key findings and additional results of the study in the male and female subgroups between the control and study group

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| --- | --- | --- | --- |
| **Study parameters** | **Study group** | **Control group** | **Р** |
| **Total score of SF-36 quality of life questionnaire, female** |
| Visit 1 | 80.82±8.69 | 79.98±9.69 | NS |
| Visit 2 | 72.81±6.37 | 75.07±6.31 | NS |
| Visit 3 | 68.94±5.04 | 68.76±6.31 | NS |
| Visit 4 | 72.34±5.81 | 72.18±6.03 | NS |
| **Total score of SF-36 quality of life questionnaire, male** |
| Visit 1 | 80.86±8.96 | 82.69±8.96 | NS |
| Visit 2 | 75.54±6.89 | 76.27±9.34 | NS |
| Visit 3 | 70.31±7.63 | 68.63±6.79 | NS |
| Visit 4 | 74.96±7.48 | 72.39±6.86 | NS |
| **Points of the physical component of the SF-36 quality of life questionnaire, female** |
| Visit 1 | 36.26±5.16 | 36±4.99 | NS |
| Visit 2 | 41.75±5.89 | 41.16±4.77 | NS |
| Visit 3 | 43.94±4.46 | 42.97±3.46 | NS |
| Visit 4 | 46.98±5.47 | 45.44±3.93 | NS |
| **Points of the physical component of the SF-36 quality of life questionnaire, male** |
| Visit 1 | 34.93±5.28 | 36.52±4.37 | NS |
| Visit 2 | 42.03±5.51 | 41.81±4.30 | NS |
| Visit 3 | 44.20±3.62 | 42.8±2.96 | 0.037 |
| Visit 4 | 47.80±5.14 | 45.39±3.38 | 0.007 |
| **Points of the psycological component of the SF-36 quality of life questionnaire, female** |
| Visit 1 | 44.56±8.61 | 43.99±7.92 | NS |
| Visit 2 | 31.06±8.16 | 33.90±8.60 | NS |
| Visit 3 | 25±5.03 | 25.79±7.52 | N NS |
| Visit 4 | 25.36±4.62 | 26.73±7.06 | NS |
| **Points of the psycological component of the SF-36 quality of life questionnaire, male** |
| Visit 1 | 45.93±7.75 | 46.17±8.75 | NS |
| Visit 2 | 33.51±9.18 | 34.46±8.99 | NS |
| Visit 3 | 26.11±9.79 | 25.84±7.03 | NS |
| Visit 4 | 27.15±9.57 | 27±6.74 | NS |
| Δ Hand grip strength (female), daN | 6.27±2.23 | 3.94±1.11 | <0.0001 |
| Δ Hand grip strength (male), daN | 5.98±1.95 | 4.06±1.19 | <0.0001 |
| Respiratory support of female patients, days | 6.72±1.13 | 8.17±1.34 | <0.0001 |
| Respiratory support of male patients, days | 6.68±1.42 | 8.12±1.66 | <0.0001 |
| Duration of hospital stay (female), days | 13.22±2.71 | 16.31±2.79 | <0.0001 |
| Duration of hospital stay (male), days | 13.11±2.70 | 16.58±3.05 | <0.0001 |

Table 4. A comparison of key findings and additional results of study in the subgroups of older and younger than 55 years of age between the control and study group

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| --- | --- | --- | --- |
| **Study parameters** | **Study group** | **Control group** | **Р** |
| **Total score of SF-36 quality of life questionnaire, <55 y.o.** |
| Visit 1 | 80.75±9.86 | 83.55±7.79 | NS |
| Visit 2 | 74.73±7.20 | 76.64±10.42 | NS |
| Visit 3 | 70.35±7.59 | 68.88±7.04 | NS |
| Visit 4 | 75.34±7.28 | 72.65±7.24 | NS |
| **Total score of SF-36 quality of life questionnaire, >55 y.o.** |
| Visit 1 | 80,717,76 | 79,8610,2 | NS |
| Visit 2 | 73,86,02 | 75,025,7 | NS |
| Visit 3 | 68,734,88 | 68,536,19 | NS |
| Visit 4 | 72,155,86 | 72,015,84 | NS |
| **Points of the physical component of the SF-36 quality of life questionnaire, <55 y.o.** |
| Visit 1 | 36.13±6.19 | 37.92±3.51 | NS |
| Visit 2 | 42.74±5.73 | 41.94±4.83 | NS |
| Visit 3 | 44.34±3.59 | 42.39±2.98 | 0.010 |
| Visit 4 | 48.08±5.10 | 45.05±3.51 | 0.003 |
| **Points of the physical component of the SF-36 quality of life questionnaire, >55 y.o.** |
| Visit 1 | 34.82±4.19 | 34.98±5.03 | NS |
| Visit 2 | 41.25±5.50 | 41.19±4.22 | NS |
| Visit 3 | 44.04±4.20 | 43.26±3.29 | NS |
| Visit 4 | 47.14±5.44 | 45.70±3.69 | NS |
| **Points of the psycological component of the SF-36 quality of life questionnaire, <55 y.o.** |
| Visit 1 | 44.62±9.36 | 45.64±8.04 | NS |
| Visit 2 | 31.99±9.55 | 34.69±10.94 | NS |
| Visit 3 | 26.01±8.97 | 26.49±7.87 | NS |
| Visit 4 | 27.27±8.73 | 27.39±7.71 | NS |
| **Points of the psycological component of the SF-36 quality of life questionnaire, >55 y.o.** |
| Visit 1 | 45.9±6.69 | 44.88±8.78 | NS |
| Visit 2 | 32.54±7.57 | 33.83±6.63 | NS |
| Visit 3 | 24.69±6.14 | 25.27±6.64 | NS |
| Visit 4 | 25.01±5.80 | 26.31±6.07 | NS |
| Δ Hand grip strength (<55y.o.), daN | 6.04±2.13 | 3.88±0.95 | <0.0001 |
| Δ Hand grip strength (>55y.o.), daN | 6.16±2.01 | 4.13±1.30 | <0.0001 |
| Respiratory support of <55y.o. patients, days | 6.78±1.36 | 7.93±1.26 | 0.0001769 |
| Respiratory support of >55y.o. patients, days | 6.6±1.25 | 8.33±1.71 | <0.0001 |
| Duration of hospital stay (<55y.o.), days | 13.33±2.72 | 16.8±3.01 | <0.0001 |
| Duration of hospital stay (>55y.o.), days | 12.98±2.68 | 16.17±2.86 | <0.0001 |