**Neutrophil-leukocyte index values in various groups of hospitalized patients with new coronavirus infection before treatment**

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| **Parameter** | **Category** | **NLI** | **P value** |
| **Median** | **Q1–Q3** | **n** |
| Lung involvement volume (as per CT imaging) | No | 2.56 | 1.56–3.66 | 64 | 0.009Pgr4 – gr1 = 0.039 |
| Grade 1 | 2.24 | 1.44–3.91 | 72 |
| Grade 2 | 2.66 | 1.54–4.83 | 54 |
| Grade 3 | 3.00 | 2.04–5.61 | 28 |
| Grade 4 | 8.93 | 3.17–11.04 | 8 |
| Respiratory failure | No | 2.51 | 1.55–3.85 | 198 | < 0.001Pgr1 – no = 0.011Pgr2 – no = 0.011 |
| Grade 1 | 4.18 | 2.97–8.74 | 20 |
| Grade 2 | 10.43 | 7.86–12.89 | 6 |
| Grade 3 | 18.59 | 10.82–26.37 | 2 |
| Arterial hypertension | No | 1.95 | 1.42–3.62 | 94 | < 0.001Pgr3 – no < 0.001 |
| Grade 1 | 2.68 | 1.99–5.01 | 19 |
| Grade 2 | 2.88 | 1.91–5.28 | 36 |
| Grade 3 | 4.63 | 2.97–6.10 | 77 |
| Ischemic heart disease | No | 2.47 | 1.47–3.66 | 149 | < 0.001 |
| Yes | 3.55 | 2.08–5.42 | 77 |
| Atherosclerotic cardiosclerosis | No | 2.50 | 1.46–3.79 | 144 | 0.001 |
| Yes | 3.53 | 2.09–5.36 | 82 |
| Chronic heart failure | No | 2.52 | 1.51–4.10 | 149 | 0.040 |
| Stage I | 3.19 | 2.35–4.50 | 44 |
| Stage IIA | 4.78 | 2.06–6.10 | 31 |
| Stage IIB | 4.42 | 4.03–4.80 | 2 |

CT, computed tomography; NLI, neutrophil-leukocyte index