Table 1 Change in the immune system state of patients at the end of one course of phage therapy.

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| --- | --- | --- | --- | --- |
| Parameter | | Before phage therapy | after  5-10 days | Normal limits |
| Lymphocytes (103/ml) | | 1407 | 1698 | 1500-2800 |
| T cells (CD3+, (103/ml) | | 1075 | 1276 | 1100-2000 |
| T helpers (CD3+CD4+, 103/ml) | | 673 | 762 | 750-1200 |
| CTL (CD3+CD8+, 103/ml ) | | 370 | 470 | 300-700 |
| CD4+/ CD8+ | | 2.12 | 1.83 | 1.6-3.00 |
| B cells (CD3+CD19+, 103/ml ) | | 138 | 159 | 100-500 |
| NK cells (CD3־CD16+56+, 103/ml ) | | 161 | 227 | 150-550 |
| Activated T cells | CD3+CD69+ (%) | 3.2 | 3.3 | <10 |
| CD3+HLA DR+ (%) | 8.7 | 15.5\* р=0.03 | <10 |
| CD3+CD8+ CD38+ (%) | 15.9 | 27.1\* р=0.04 | <10 |
| Concentration  in serum | IgG, mg/ml | 9.3 | - | 7.6-18.9 |
| IgM, mg/ml | 1.2 | - | 0.5-3.4 |
| IgA, mg/ml | 2.4 | - | 0,8-3.5 |
| IFNγ production | Concentration , pg/ml | 2990 | 6785\* р=0.04 | 2000-25000 |
| biol. activity, U/ml | 15 | 24 | 32-128 |
| IFNα production | Concentration , pg/ml | 231 | 260 | 100-500 |
| biol. activity, U/ml | 110 | 130 | 160-640 |

\* significant difference from the level before phage therapy