**Table 1. One factor and two factor linear regression: coefficient β, 95% confidence intervals and P value for educational level and age**

| **Predictor** | **β (non-standardized)** | **95% confidence interval** | **t** | **P value** |
| --- | --- | --- | --- | --- |
| Unadjusted coefficients (one factor analysis) |
| Educational level | 0.758 | 0.478–1.038 | 5.321 | < 0.001 |
| Age | 0.088 | 0.067–0.109 | 8.429 | < 0.001 |
| Adjusted coefficients (two factor analysis) |
| Educational level | -0.089 | -0.472–1.676 | -0.457170 | 0.647669 |
| Age | 0.093 | 0.064–0.122 | 6.202635 | < 0.001 |

**Table 2. Cronbach’s alfa after deletion of the questionnaire items and the discriminativity value for each item**

|  |  |  |
| --- | --- | --- |
| **Item (short wording)** | **Discriminativity** | **Cronbach's α after stepwise deletion of the items** |
| Number of cigarettes | 0.1495762 | **0.7991379** |
| Frequency of alcohol intake | 0.1830128 | 0.7974712 |
| Physical activity | 0.1537414 | **0.7979053** |
| Headache or vertigo | 0.4200732 | 0.7866926 |
| Height decrease | 0.1038907 | **0.797926** |
| Pathological fractures | 0.1572829 | 0.7973103 |
| Blood pressure above 130/80 mmHg | 0.4330274 | 0.7859562 |
| Floaters in the eyes | 0.5058362 | 0.7813564 |
| Dyspnoe | 0.5052745 | 0.7815585 |
| Heart arrhythmias | 0.4426961 | 0.7855177 |
| Retrosternal pain | 0.4787484 | 0.7835695 |
| Low back pain | 0.3460399 | 0.7907018 |
| Red urine | 0.1113372 | **0.7979601** |
| Loss of appetite | 0.3083999 | 0.7921789 |
| Weakness | 0.5437446 | 0.778461 |
| Skin itching | 0.3982662 | 0.7878565 |
| Permanent thirst | 0.4440221 | 0.785952 |
| Pain in joints | 0.4617138 | 0.7845804 |
| Joint stiffness | 0.3876773 | 0.7889416 |
| Hand whitening | 0.2690954 | 0.7942169 |
| Nail roughness | 0.2347424 | 0.7949511 |
| Rashes | 0.1408375 | 0.7974047 |
| Joint swelling | 0.2302563 | 0.7959096 |
| Increased uric acid | 0.1461614 | 0.7973008 |
| Increased rheumatoid factor | 0.1788521 | 0.7965485 |
| Increased glucose | 0.2188428 | 0.7954229 |
| Acute vascular events | 0.1928248 | 0.7966732 |
| Analgesia | 0.1468361 | 0.7972898 |
| Antihypertensive agents | 0.2074336 | 0.7961443 |
| Diuretics | 0.1494117 | 0.7971724 |
| Radiation therapy | 0.01359987 | **0.7987722** |
| Steroid agents | 0.134483 | 0.7975488 |
| Pathological pregnancy | 0.08740491 | **0.7981728** |

Cronbach's α for the questionnaire is 0.797881; increased Cronbach's alfa for some items is marked by bold

**Table 3. The questionnaire's sensitivity and specificity for the group of patients with a rheumatic disease (n = 35) and for the control group (n = 35)**

| **Score** | **Sensitivity** | **Specificity** | **Sum of specificity and sensitivity** | **1 - specificity** |
| --- | --- | --- | --- | --- |
| 6.5 | 0.971 | 0.571 | 1.542 | 0.429 |
| 7.5 | 0.914 | 0.657 | 1.571 | 0.343 |
| 8.5 | 0.857 | 0.686 | 1.543 | 0.314 |
| 9.5 | 0.857 | 0.714 | 1.571 | 0.286 |
| 10.5 | 0.800 | 0.743 | 1.543 | 0.257 |
| 12.5 | 0.629 | 0.914 | 1.543 | 0.086 |