

## Quality of Life of Syphilis Patients

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### ABSTRACT

*this article attempts to reveal the main reasons for assessing the quality of life indicators in patients with syphilis in dynamics. To carry out scientific work, the author carried out*

*the object of the study was 250 patients aged 16–67 years (mean age  $23.4 \pm 3.9$  years) with established diagnoses A51 "Early syphilis", A52 "Late syphilis", A53 "Other and unspecified forms of syphilis".*

*The problem in question is still little studied, therefore, requires more thorough research.*

**Introduction:** Syphilis (outdated: lues from lat. Lues - infection) is a systemic venereal infectious disease affecting the skin, mucous membranes, internal organs, bones, nervous system with a successive change in the stages of the disease, caused by bacteria of the species *Treponema pallidum* (*pallidum treponema*) subspecies *pallidum*, belonging to the genus *Treponema* (*Treponema*) of the order *Spirochaetes* (*Spirochaetales*). The prognosis of the disease in most cases is favorable. Timely diagnosis and adequate treatment leads to a complete recovery. However, with a long-term chronic course and in cases of infection of the fetus in the womb, persistent irreversible changes develop, leading to disability.

**Aim:** to assess the dynamics of the quality of life of patients with syphilis.

**Materials and methods:** the object of the study was 250 patients aged 16–67 years (mean age  $23.4 \pm 3.9$  years) with established diagnoses A51 "Early syphilis", A52 "Late syphilis", A53 "Other and unspecified forms of syphilis". To assess the quality of life indicators, a validated SF-36 questionnaire was used, using which patients were tested before treatment, 1 month and 3 months after the end of treatment. The study was conducted on the basis of the Orenburg Regional Clinical Dermatovenerological Dispensary. The questionnaire consists of 36 questions grouped into 8 scales. The data obtained were compared with the results of the reference database of population values of the standardized indicators of the questionnaire for residents of the Russian Federation. The calculation of the integral scales of the questionnaire was carried out according to the methodological recommendations developed by the Preference Company.

**Results:** in patients with primary syphilis, there was a decrease in the level of quality of life with a predominance of influence on the physical component of health (general health scale) before

treatment (decrease to 56.8 - by 12.6%) and after 1 month (decrease to 59.8 -8%), and after 3 months - indicators of quality of life became close to the reference values (65). The greatest decrease was noted in the psychological component of health (on the scales of role activity, general health, vital activity, social functioning, emotional state) before the start of treatment for secondary syphilis (decrease to 49.8-17%), latent early (decrease to 55.2 -8% and late (decrease to 52 - by 13.4%) After 1 month, normalization is noted only with latent early syphilis (up to 59.5), after 3 months - there is a tendency to normalize indicators (up to 57) with latent syphilis late, although the average values for the population were not achieved. During the observation period in the secondary form of nosology, the indicators did not reach the reference indicators. The study showed a slight effect of the disease on the quality of life in latent syphilis, unspecified, both before treatment and after 1 and 3 months from the moment observations.

**Conclusions:** the study showed the heterogeneity of the impact of this disease on the indicators of the quality of life of patients, while there is a dynamics in their change depending on the stage of the disease, which must be taken into account as an important component for a full psycho-social and physical adaptation after treatment.

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