**Donets O.I., Kryvorotko D.N., Pautina O.I.**

**CLINICAL AND PARACLINICAL PECULIARITIES OF PNEUMONIA IN NEWBORNS**

**Kharkiv National Medicine University, Kharkiv, Ukraine**

**The task:** to determine the clinical and paraclinical features of pneumonia in newborns at the present stage.

**Material and methods.** The study was carried out by a comparative analysis of the clinical and paraclinical features of pneumonia in newborns who were with pneumonia in 2015-2017. (51 patients - the main group) and in 2005-2007 (23 children - control group). Clinical examination was carried out by routine methods. Among these paraclinical examinations, X-ray examination of chest organs, bacteriological study of mucus from the tracheobronchial tree (TLD) with the sensitivity of the microbial flora were analyzed. The results of the study were processed by non-parametric statistical methods.

**Results**. In the structure of pneumonia at the present stage, there has been a trend towards a reduction in the number of community-acquired pneumonia from 39.1 ± 10.2% to 21.6 ± 5.8%, and an increase in the frequency of ventilating pneumonia 30.4 ± 9.6% to 45.1 ± 7.0%. The specific gravity of congenital pneumonia did not change significantly (30.4 ± 9.6% compared to 33.3 ± 6.6%). The duration of auscultator changes from the respiratory system was 17.0 ± 1.7 and 17.3 ± 1.8 days in the main and control groups, respectively. The decreasing in the duration of mechanical ventilation was found to be 12.9 ± 2.4 days and 9.3 ± 1.1 days, the number of patients with prolonged course from 21.7 ± 8.6% to 11.8 ± 4.5%, bed-days 31.2 ± 3.2 and 28.7 ± 3.3. Changes in the microbial landscape of LDP have been established: in addition to the typical pathogens Ps. Aeruginosa and St. aureus, in 2007, K. pneumonia was isolated in 20% of patients (2015-2017 - 0%), whereas A. сalkoaceticus was not detected in any cases (2015-2017 - 38.4 %).

**Conclusions**. Reliable differences in the microbial flora of LDP and trends in the clinical course of pneumonia over the past 10 years have been revealed.