

Specialised Hospital in Chorzów
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In the period from 2 to 26 October 2015, 6 NOVAERUS plasma air disinfection devices were tested in the Specialised Hospital in Chorzów.

The devices were located in:

1. patients' room in the Department of Infectious Diseases - 2 items (small),
2. minor surgery room (non-sterile), Department of Infectious Diseases - 1 item (small),
3. Bronchofiberoscopy Lab - 1 item (small),
4. nurse station - 1 item (small),
5. patients' room in the Department of Tuberculosis and Pulmonary Diseases - 1 items (large).

During the air disinfection performance testing period, the devices operated continuously, in 24/7 mode, as recommended by the manufacturer; moreover, care was taken to provide comparable testing conditions.

Thus:

1. Initial tests were performed directly following connection of the NOVAERUS devices.
2. Testing for microbiological purity of the air was always performed using the same method for all the devices tested.
3. Care was taken to keep the doors of the rooms closed during the testing period.

Conclusions:

Results of microbiological tests of the air in the areas where the devices were installed unequivocally revealed significant reduction in the number of microorganisms.

Moreover, permanent elimination of unwanted odours in the tested rooms was noted.

The devices tested in our facility deserve to be widely used in healthcare institutions, and particularly in sites of high epidemiological risk.

The device is simple and easy to use and does not require the use of additional appliances such as filters or catalysers or other harmful substances.

It is also completely safe for patients and medical staff.

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