

## **REPORT REFERENCE DOCUMENT**

*(English translation – copy of original stamped Russian document available upon request)*

**KIEV - CITY MEDICAL BURN CENTRE**  
**13, Krakovskaya street, Kyiv, Ukraine - 24 hr Tel: 552-1163**

### **Report on PIP Healthcare cleaning in the Medical Burn Centre**

#### **INTRODUCTION**

Since April 3rd, 2008 the Kiev Hospital Trauma Centre-2 Burn Centre for the treatment of burning wounds is cleaning with the following Chrisal PIP Healthcare products: PIP Interior cleaner, PIP Floor cleaner and PIP Sanitary cleaner. Initially, before going on to more critical areas, for the first round of testing, these Chrisal products were applied in non-sterile areas such as patient rooms, halls, stairwell, toilets, bathrooms, offices and other such areas - and then as the results were seen, additional uses for Chrisal in all areas were initiated to assist in patient care.

The goal of the test period was to evaluate the potential of the PIP Healthcare cleaning products in the Trauma Centre for burning wounds.

Two separate divisions were selected to start the trial:

- a) the **BURN WOUND UNIT FOR ADULTS**
- b) and the **SEPTIC SHOCK REANIMATION UNIT**

These units were selected because they are used most intensively and because of their high bacterial contamination. Samples before and after the introduction of Chrisal PIP products were done to properly test and prove the efficiency of the PIP Healthcare products and were taken at the following places:

#### **Adult burning wound unit:**

Object nr. 1: Room 6

Object nr. 2: Hall

Object nr. 3: Bathroom

#### **Septic shock reanimation unit:**

Object nr. 1: Room 3

Object nr. 2: Hall

Object nr. 3: Bathroom

### **3RD APRIL 2008 (CONTROL SAMPLES)**

In order to determine the starting value of microbial contamination on the surfaces, several samples were taken after conventional cleaning. **The samples were analysed by the Kiev Microbiological Laboratory (Dehtyarevskaya 23).** For both units the results indicated **HIGH NUMBERS OF STAPHYLOCOCCUS AUREUS**, a well-known opportunistic pathogen for burns.

### **4TH APRIL 2008 (START PIP CLEANING)**

On both previously mentioned units the cleaning with the PIP Healthcare products started. Dilution instructions as provided by manufacturer Chrisal NV, Belgium, were followed and the products were applied according to the standard hospital cleaning protocol.

### **5 – 14 APRIL 2008 (PIP CLEANING)**

During this period, the units were cleaned daily with the PIP Healthcare products.

### **14<sup>TH</sup> APRIL 2008 (SAMPLING)**

For each of the 6 sampling points a number of samples were taken and sent to the microbiological laboratory to determine the number of pathogenic bacteria. **The results showed that all sampling points (that previously had Staph) WERE NOW FREE OF PATHOGENS such as *Staphylococcus Aureus* (and the area tested also free of others, like e-coli).**

### **CONCLUSION**

The cleaning trial in the two units of the Kiev City Medical Burn Centre have clearly demonstrated that probiotic cleaning with the PIP Healthcare products is extremely efficient and results in a large decrease of hospital bacteria.

As a secondary result - also the unpleasant smell in certain parts of the hospital were removed. NOTE that the cleaning staff did not need any protective clothing or gloves for working with the PIP Healthcare products. No negative effects were noticed with both patients and personnel.

In order to continue to obtain more detailed results and because of the very good results, the cleaning with PIP Healthcare will be continued.

### **City Medical Burn Centre**

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