

ABSTRACT

The diploma thesis deals with the protection of personnel in cytoreductive surgery and hyperthermic intraperitoneal chemotherapy, focusing on non-medical healthcare workers - anesthetist nurses.

The aim of the work was to analyze the knowledge of anesthesia nurses in the use of personal protective equipment, the specifics of selection for the given performance, the use of an electrocautery with integrated suction, the availability of decontamination aids In case of an accident of cytotoxic substances and if the staff is afraid of their own health.

The data was obtained through a questionnaire. For the research were selected anesthesia nurses working in operating theaters in selected health care facilities in the Czech Republic. The total number of respondents who participated in the research was 35.

The results of the survey revealed that the staff did not find out what PPEs are recommended for this type of operation. It's either because the staff is less linguistically equipped or does not know EBN / EBP or EBM. The staff only uses those PPEs that are available to them. As a good result, 49% of respondents use an integrated electric exhaust system. With regard to the availability of decontamination aids, I have found that most of the staff does not know whether these utilities are available at all.

The investigation also points to the fact that there are no specific internal rules for the selection of anesthesia nurse. Research has shown that the vast majority of respondents is worried about this operation. With knowledge of potential risks, selection and well-trained personnel, knowledge of the PPE and the use of aids, behavior, attention and overall safety in the operating theatre with minimization of exposure to hazardous substances, this performance can be considered relatively safe.

Based on the knowledge I have identified, I have created a general recommendation for practice in all healthcare facilities dealing with this issue of surgery.

This recommendation contains basic information to provide a better insight into the issue.

keywords: CRS, HIPEC, Personnel Protection, PPE, Electrocautery, Risks, Surgical smoke, Cytostatics, Recommendations