after a prolonged time in recovery position. The purpose of the recovery position is to maintain respiratory function of aspiration, and ensure that the tongue does not cause airway obstruction. In the recovery position, the head rests on the forearm thereby applying pressure on the radial nerve. Further, in the semiprone position the common peroneal nerve is compressed as it passes around the neck of the fibula. Prolonged compression while the patient lay in the recovery position led to neurapraxia of the two nerves involved. Neurapraxia results from prolonged pressure on a nerve. Morphologically there is intussusception of axon and myelin through the nodes of Ranvier leading to a functional conduction block. The patient usually makes a complete recovery, as in this case, but motor weakness may be evident for up to three months or even longer.

The recovery position (figure) offers the optimal position for nursing any patient with an impaired level of consciousness who has not suffered trauma. However, a prolonged period in this position is likely to predispose to neurapraxia as seen here. There is also concern that in the recovery position the venous return from the dependent arm may be obstructed. It is recommended that perfusion and venous drainage of the dependent arm is monitored adequately to minimise the risk of vascular injury. Although the lay public are aware of the recovery position and are encouraged to use it while nursing unconscious patients, their understanding of the possible complications remains limited. If a patient does not make a prompt recovery, it is important for the patient to be sent to hospital for full evaluation, unless the circumstances are both known and understood, for example for certain types of epilepsy.

Protective clothing in accident and emergency departments: cost versus risk benefit

The introduction of protective clothing for Accident and Emergency (A&E) personnel is suggested by Steedman, who states that employers should seriously consider the introduction of protective clothing systems to reduce the risks of viral transmission. The concept of protective clothing was supported by Ireland. In Oxford we also decided that it was inappropriate for our medical and nursing staff to work in traditional clothes. The risk of soiling of clothes was the main reason for making a change. Other factors included the medical staff complaining of expensive bills cleaning shirts and trousers soiled with blood, body fluids, and plaster-of-Paris. The nurses felt that their uniforms were not ideal for A&E work in that they did not allow easy movement when lifting. We looked at various options for recloting the staff members of the A&E department. Rental of suits similar to those used in Edinburgh would at that time (18 months ago) have cost our department an annual rental fee of approximately £40,000. We understand that these prices have since decreased. Instead we decided to use much simpler suits in standard theatre fabrics. The cost to the department was less than £500 for a once only purchase, although they need regular laundering with its cost implications. This is offset, however, by the savings on laundering nurses uniforms and white coats. These suits are not impermeable to blood and body fluids and do not fully protect the forearms but they can easily be changed if seen to be soiled.

A survey of our nursing and medical staff showed that 100% of the surveyed staff felt that their new clothing was both more comfortable to wear and allowed them to perform their day to day work with more ease. Patients and staff have also commented that it is now much easier to identify who is actually working in A&E as all our nurses are in blue and the doctors in green, differentiating them from ward staff and other groups in the hospital.

We have sacrificed an element of staff protection for a substantial cost saving. Is this justified? To answer this question one must look at the relative risk of our staff receiving an exposure to a virus that results in seroconversion while wearing the new clothing. Three cases have been reported where HIV infection has developed in health care workers who had direct contact of blood with the skin but without needlestick exposure. However all these cases also had skin lesions that may have been contaminated by blood. A survey by Habimana et al looked at a particularly high risk group for occupational exposure to HIV through skin contact: traditional birth attendants in Rwanda, and estimated that 215 birth attendants tested as HIV negative had received 2234 potentially infectious bloodskin contacts over the previous five years. They found no evidence of HIV infection of occupational blood contact. There have been no cases of HIV transmission proven to be secondary to transmission through intact skin alone.

The Management of Health and Safety at Work Regulations 1992, No 2051, section 3, Risk Assessment, states that every employer shall make a suitable and sufficient assessment of the risks to the health of his employees to which they are exposed while at work. Our staff have been advised that they should observe universal precautions at all times. If their clothing becomes visibly soiled they are advised to wash and change the uniform. If they have any break in their skin it must be covered with a water resistant dressing. No-one with an open wound is allowed to work in the department. If soiling with blood is expected, additional measures should be taken using masks, gogles, and aprons.

We agree wholeheartedly with Steedman that as health care professionals we should protect our staff against possible risks of infection. We endorse fully the published guidelines on health care exposure to HIV and hepatitis transmission. However, we do not believe that the wearing of clothes impermeable to body fluids is at present justified on cost grounds when weighed against the clinical evidence of potential infection through intact skin. We believe our measures to be an appropriate response to the risk of contamination by blood and body fluids and suggest that they allow a better use of a finite budget.

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