

Opinion on clinical management at Gosport War Memorial Hospital based on review of five cases presented by Hampshire Police

- 7.1 My opinion on the five cases I have been asked to review at Gosport War Memorial Hospital must be considered in context. My understanding is that the five cases have been selected by Hampshire Police because of concerns expressed relating to the management of these patients. Therefore my comments should not be interpreted as an opinion on the quality of care in general at Gosport War Memorial Hospital or of the general quality of care by the clinicians involved. My comments also relate to a period 2-4 years ago and the current clinical practice at the hospital may be very different today. An opinion on the quality of care in general at the hospital or of the clinicians would require a systematic review of cases, selected at random or with pre-defined patient characteristics. Examination of selected cases is not an appropriate mechanism to comment on the general quality of care of an institution or individual practitioners.
- 7.2 However having reviewed the five cases I would consider they raise a number of concerns that merit further examination by independent enquiry. Such enquiries could be made through further police interviews or perhaps more appropriately through mechanisms within the National Health Service, such as the Commission for Health Improvement, and professional medical and nursing bodies such as the General Medical Council or United Kingdom Central Council for Nursery, Midwifery and Health Visiting.
- 7.3 My principle concerns relate to the following three areas of practice: prescription and administration of subcutaneous infusions of opiate and sedative drugs in patients with non-malignant disease, lack of training and appropriate medical supervision of decisions made by nursing staff, and the level of nursing and non-consultant medical skills on the wards in relation to the management of older people with rehabilitation needs.
- 7.4 In all five cases subcutaneous infusions of diamorphine and in combination with sedative drugs were administered to older people who were mostly admitted for rehabilitation. One patient with carcinoma of the bronchus was admitted for palliative care. Although intravenous infusion of these drugs are used frequently in intensive care settings, very close monitoring of patients is undertaken to ensure respiratory depression does not occur. Subcutaneous infusion of these drugs is also used in palliative care, but the British National Formulary indicates this route should be used only when the patient is unable to take medicines by mouth, has malignant bowel obstruction or where the patient does not wish to take regular medication. (Appendix 2)
- Code A**
- medication. Opiate and sedative drugs used were frequently used at excessive doses and in combination with often no indication for dose escalation that took place. There was a failure by medical and nursing staff to recognise or respond to severe adverse effects of depressed respiratory function and conscious level that seemed to have occurred in all five patients. Nursing and medical staff appeared to have little knowledge of the adverse effects of these drugs in older people.

- 7.5 Review of the cases suggested that the decision to commence and increase the dose of diamorphine and sedative drugs might have been made by nursing staff without appropriate consultation with medical staff. There is a possibility that prescriptions of subcutaneous infusions of diamorphine, midazolam and hyoscine may have been routinely written up for many older frail patients admitted to Daedalus and Dryad wards, which nurses then had the discretion to commence. This practice if present was highly inappropriate, hazardous to patients and suggests failure of the senior hospital medical and managerial staff to monitor and supervise care on the ward. Routine use of opiate and sedative drug infusions without clear indications for their use would raise concerns that a culture of "involuntary euthanasia" existed on the ward. Closer enquiry into the ward practice, philosophy and individual staff's understanding of these practices would be necessary to establish whether this was the case. Any problems may have been due to inadequate training in management of older patients. It would be important to examine levels of staffing in relation to patient need during this period, as the failure to keep adequate nursing records could have resulted from under-staffing of the ward. Similarly there may have been inadequate senior medical staff input into the wards, and it would be important to examine this in detail, both in terms of weekly patient contact and in time available to lead practice development on the wards. My review of Dr Lord's medical notes and her statement leads me to conclude she is a competent, thoughtful geriatrician who had a considerable clinical workload during the period the above cases took place.
- 199) Complaints
- 7.6 I consider the five cases raise serious concerns about the general management of older people admitted for rehabilitation on Daedalus and Dryad wards and that the level of skills of nursing and non-consultant medical staff, particularly Dr Barton, were not adequate at the time these patients were admitted.
- 7.7 Having reviewed the five cases presented to me by Hampshire Police, I consider they raise serious concerns about nursing and medical practice on Daedalus and Dryad wards at Gosport War Memorial Hospital. In my opinion a review of practice at the institution is necessary, if this has not already taken place. I would recommend that if criminal proceedings do not take place, that these cases are brought to the attention of the General Medical Council and United Kingdom Central Council for Nursery, Midwifery and Health Visiting, in relation to the professional competence of the medical and nursing staff, and the Commission for Health Improvement, in relation to the quality of service provided to older people in the Trust.

APPENDIX 1

Pharmacology of Opiate and Sedative Drugs

Morphine

8.1 Morphine is a potent opiate analgesic considered by many to the 'drug of choice' for the control of acute pain (Therapeutic Drugs Dollery). Recommended starting dosage regimens for a fit adult of 70Kg are for intravenous bolus dosing 2.5mg every 5 min until analgesia achieved with monitoring of the duration of pain and dosing interval, or a loading dose of 5-15mg over 30min than 2,5mg –5mg every hour. A standard reference text recommends 'morphine doses should be reduced in elderly patients and titrated to provide optimal pain relief with minimal side effects'. Morphine can be used for sedation where sedation and pain relief are indicated, Dollery comments '*it should be noted that morphine is not indicated as a sedative drug for long-term use. Rather the use of morphine is indicated where the requirement for pain relief and sedation coexist such as in patients admitted to intensive care units and other high dependency areas, the morphine dose should be titrated to provide pain relief and an appropriate level of sedation. Frequently other pharmacological agents (e.g.: benzodiazepines) are added to this regimen to increase the level of sedation*'.

8.2 Diamorphine

8.3

8.4 Fentanyl

8.5 Fentanyl is a transdermal opioid analgesic available as a transdermal patch. The '25' patch releases 25microg/hr.

8.6 The British National Formulary (copy of prescribing in palliative care attached Appendix 2) comments on the use of syringe drivers in prescribing in palliative care that drugs can usually be administered by mouth to control symptoms, and that indications for the parenteral route are: patient unable to take medicines by mouth, where there is malignant bowel obstruction, and where the patient does not wish to take regular medication by mouth, It comments that staff using syringe drivers should be adequately trained and that incorrect use of syringe drivers is a common cause of drug errors.

Heminevrin

Midazolam

8.1 Midazolam is a benzodiazepine sedative drug. It is used as a hypnotic, preoperative medication, sedation for procedures such as dentistry and GO endoscopy, long-term sedation and induction of general anaesthesia. It is not licensed for subcutaneous use, but is described in the British National Formulary prescribing in palliative care section as 'suitable for a very restless patient; it is given in a subcutaneous infusion dose of 20-100mg/24 hrs.

8.2 DA standard text describes the use of sedation with midazolam in the intensive care unit setting, and states, "*sedation is most commonly met by a combination of a benzodiazepine and an opioid, and midazolam has generally replaced diazepam in this respect*". It goes on to state, "in critically ill patients, prolonged sedation may follow the use of midazolam infusions as a result of delayed administration". Potentially life threatening adverse effects are described, "Midazolam can cause dose-related CNS depression, respiratory and

cardiovascular depression. There is a wide variation in susceptibility to its effects, the elderly being particularly sensitive. Respiratory depression, respiratory arrest, hypotension and even death have been reported following its use usually during conscious sedation. The elderly are listed as a high-risk group; the elderly are particularly sensitive to midazolam. The dose should be reduced and the drug given slowly intravenously in a diluted form until the desired response is achieved. In drug interactions the following is stated. "midazolam will also potentiate the central depressant effects of opioids, barbiturates, and other sedatives and anaesthetics, and profound and prolonged respiratory depression might result."

8.3

Hyoscine

- 8.4 The British National Formulary describes hyoscine hydrobromide as an antagonist (blocking drug) of acetylcholine. It reduces salivary and respiratory secretions and provides a degree of amnesia, sedation and antiemesis (antinausea). IN some patients, especially the elderly, hyoscine may cause the central anticholinergic syndrome (excitement, ataxia, hallucinations, behavioural abnormalities, and drowsiness). The palliative care section describes it as being given in a subcutaneous infusion dose of 0.6-2.4mg/24 hours.

8.5

Use of syringe drivers

- 8.1 The BNF states 'oral medication is usually satisfactory unless there is severe nausea and vomiting, dysphagia, weakness, or coma in which case parenteral medication may be necessary. In the pain section it comments the non-opioid analgesics aspirin or paracetamol given regularly will often make the use of opioids unnecessary. An opioid such as codeine or dextropropoxyphene alone or in combination with a non-opioid analgesic at adequate dosage may be helpful in the control of moderate pain if non-opioids are not sufficient. If these preparations are not controlling the pain, morphine is the most useful opioid analgesic. Alternatives to morphine are hydromorphone, oxycodone and transdermal fentanyl. In prescribing morphine it states 'morphine is given as an oral solution or as standard tablets every 4 hour, the initial dose depending largely on the patient's previous treatment. A dose of 5-10mg is enough to replace a weaker analgesic. If the first dose of morphine is no more effective than the previous analgesic it should be increased by 50% the aim being to choose the lowest dose which prevents pain. The dose should be adjusted with careful assessment of the pain and the use of adjuvant analgesics (such as NSAIDs) should also be considered. Although morphine in a dose of 5-10mg is usually adequate there should be no hesitation in increasing it stepwise according to response to 100mg or occasionally up to 500mg or higher if necessary. The BNF comments on the parenteral route 'diamorphine is preferred for injection. The equivalent intramuscular or subcutaneous dose of diamorphine is approximately a third of the oral dose of morphine'
- 8.2 In the chapter on pain relief in 'Drugs and the Older Person' Crome writes on the treatment of acute pain ' treat the underlying cause and give adequate pain relief. The nature of the painful condition, the response of the patient and the presence of comorbidity will dictate whether to start with a mild analgesic or to go immediately to a more potent drug. In order to avoid the situation that patients remain in pain, "starting low" must be followed by regular re-evaluation with, if necessary, frequent increases in drug dose. The usual method of prescribing morphine for chronic pain is to start with standard oral morphine in a

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dose of 5-10mg every four hours. The dose should be halved in frail older people.

Prescribing for the Elderly

The British National Formulary states in Prescribing for the Elderly section "The ageing nervous system shows increased susceptibility to many commonly used drugs, such as opioid analgesics, benzodiazepines, antipsychotics and antiparkinsonian drugs, all of which must be used with caution".

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APPENDIX 2

BNF Prescribing in palliative care