

Version 6 of complete report March 02 2011 – Gladys Richards

**Gladys RICHARDS**

**DOB:** Code A

**DOD: 21/08/1998**

Gladys Richards presents an example of a common, complex problem in geriatric medicine. A patient with one major progressive and end stage pathology (a dementing illness) develops a second pathology, has surgery, has a complication after that surgery, has more surgery and gradually deteriorates and dies.

However there were significant failings in the medical care provided to Gladys Richards as well as deficiencies in the use of the drug chart at the Gosport War Memorial Hospital.

## **1. INSTRUCTIONS**

To examine the medical records and comment upon the standard of care afforded to the patient in the days leading up to her death against the acceptable standard of the day. Where appropriate, if the care is felt to be sub-optimal, comment upon the extent to which it may or may not disclose criminally culpable actions on the part of individuals or groups.

## **2. ISSUES**

- 2.1 Was the standard of care afforded to this patient in the days leading up to her death in keeping with the acceptable standard of the day.
- 2.2 If the care is found to be suboptimal what treatment should normally have been proffered in this case.

## **3. CHRONOLOGY/CASE ABSTRACT.** (The numbers in brackets refer to the page of evidence, the numbers with 'H' in front are the Haslar notes).

- 3.1 Gladys Richards was a 91 year old lady and in 1998 was admitted as an emergency on 29<sup>th</sup> July 1988 to the Haslar Hospital (H39).
- 3.2 She had had a progressive dementing illness documented as short term memory loss in 1988 (435), a mental test score of 4/10 in 1994 (443) and a mental test score of 0/10 in 1996 (451). She was admitted to the Glen Heathers Nursing Home in 1994 (202) and was moderately dependent with a Barthel of 11/20 at that time (200). She was seen by a psycho-geriatrician, Dr Banks, who in 1998 found that she had end stage dementia (473). The nursing home noticed that she was wandering and very frail in July 1998 (563). The nursing home notes document multiple falls.

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- 3.3 On admission to the Haslar Hospital, a fractured neck of femur is diagnosed and she is treated with a right hemi-arthroplasty (H50). Recovery is complicated by agitation. She is seen by Dr Reid on 3<sup>rd</sup> August (23) who notes her long standing dementia. He finds her pleasant, co-operative, with little discomfort on passive movement and she should be transferred to the Gosport War Memorial hospital to see if it was possible to remobilise her (466,467).
- 3.4 Her drug charts in Haslar Hospital show that no regular pain killer is given during her first admission (H110), although Diclofenac was prescribed but not given. She does receive intravenous morphine 2.5. mgs on 31<sup>st</sup> July, then single doses on the 1<sup>st</sup> and 2<sup>nd</sup> August (H114). She then receives regular Co-codamol orally, although it is written up Prn, until 7<sup>th</sup> August. After this date there appears to be no further painkillers given.
- 3.5 The nursing cardex in Haslar (H152, H167) does not mention any pain during her recovery.
- 3.6 She is transferred to Gosport War Memorial Hospital on 11<sup>th</sup> August and seen by Dr Barton (29) who notices her previous hysterectomy in 1953, her cataract operations, her ~~h~~ deafness and that she has "Alzheimer's Disease". She records that her impression is of a frail demented lady who is not obviously in pain. Despite the statement in the notes, there is no other evidence of a clinical examination, or any record, if it was undertaken. There is also no mention of pain in the medical notes until after her hip dislocation. She mentions that her Barthel score is 2 (heavily dependent), she transfers with a hoist. She also states "I am happy for nursing staff to confirm death".
- 3.7 The next medical note on 14<sup>th</sup> August and states that sedation/pain relief has been a problem, screaming not controlled by Haloperidol and very sensitive to Oramorphine (29). Fell out of chair last night, right hip shortened and internally rotated, daughter aware and not happy. Is this lady well enough for another surgical procedure? She has an x-ray that notes the hip is dislocated and is transferred back to the Haslar Hospital.
- 3.8 ? The nursing notes for this first admission to Gosport War Memorial Hospital state that she had a Barthel of 3/20 on admission (40). Is highly dependent with a Waterlow score of 27 (41). The nursing care plan for the 12<sup>th</sup> (49) mentions that Haloperidol was given because she woke from sleep very agitated. It mentions that on the 13<sup>th</sup> August Oramorphine is given at 21.00 (50). It mentions an x-ray needed the following morning. On 14<sup>th</sup> August pain is mentioned in the right leg in the nursing cardex (50). I find no other mention of pain in the nursing cardex.
- 3.9 Oramorphine 10 mgs in 5mls (62) is written up prn on admission to Gosport Hospital, two doses are given on 11<sup>th</sup> August, one dose 12<sup>th</sup> August, one dose 13<sup>th</sup> August in the evening (as confirmed in the nursing cardex) and

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- one dose on 11<sup>th</sup> August in the morning (as confirmed in the nursing cardex). Also on the prn side of the drug cardex on admission to Gosport on the 11<sup>th</sup> August, Diamorphine 20 – 200 mgs is prescribed subcutaneously but never given. Hyoscine 200 – 800 mgs and Midazolam 20 – 80 mgs in 24 hours subcutaneously are both written up on 11<sup>th</sup> August. Neither of these two drugs are given until her subsequent return from Haslar.
- 3.10 On 14<sup>th</sup> August she is transferred back to Haslar where a dislocation of a hip is confirmed by x-ray (H67) and is reduced under sedation (H67). She has an uneventful recovery and is transferred back to Gosport War Memorial on 17<sup>th</sup> August. Discharge summary mentioning Haloperidol, Lactulose, Co-codamol and Oramorphine 2.5 – 5mgs for pain (H79), although the Oramorphine was never given in Haslar.
- 3.11 Dr Barton writes in the notes on the 17<sup>th</sup> August after her re-admission to the Gosport War Memorial Hospital to continue Haloperidol and only give Oramorphine if in severe pain (30), and that she wishes to see the daughter again. There is no record of any assessment of Mrs Richard's mental or physical state on transfer except a statement 'now appears peaceful'. Yet the nursing cardex 17<sup>th</sup> August says patient distressed and appears to be in pain (45). In the afternoon of 17<sup>th</sup> August, states, "in pain and distress, agree with daughter to give her mother Oramorphine 2.5 mgs in 5 mls". It is possible Dr Barton only saw the patient after she had been given Oramorphine. Due to the pain, a further x-ray is ordered and no dislocation is seen (46) (75).
- 3.12 On 18<sup>th</sup> August, Dr Barton notes the patient is still in great pain, nursing is a problem, she suggests subcutaneous Diamorphine, Haloperidol and Midazolam and that she will see the daughters. The nursing cardex records the decision to pain control by syringe driver (46). She then receives Diamorphine 40 mgs daily in a syringe driver, with Haloperidol 5 mgs and 20 mgs Midazolam until her death on 21<sup>st</sup> August 1998.
- 3.13 An unusual feature of the original Gosport War Memorial Drug Chart (64) is that Oramorphine 2.5 mgs 4 hourly was written up on the regular prescription side on the 11<sup>th</sup> August, together with 5 mgs at night regularly. It then has the letters prn against both of these prescriptions which make no sense(62).

Drug	Date prescribed	Prescribed as	Prescriber	Given
Oramorphine	11/08	10 mgs in 5 mls 2.5 – 5 mls 4 hourly Oral PRN	Dr Barton	11/08 ? 10 mgs
				11/08 1145 10 mgs
				12/08 0815 10 mgs
				12/08 2050 10 mgs
				14/08 1150 10 mgs
				17/08 1300 5 mgs
				17/08 ? 5 mgs
				17/08 ? 5 mgs
				17/08 2030 10 mgs
				17/08 2030 10 mgs

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				18/08 ? 10 mgs 18/08 0400 10 mgs
Diamorphine	11/08	20 – 200 mgs S/C in 24 hours PRN	Dr Barton	Never given
Midazolam	11/08	20 – 80 mgs S/C in 24 hours PRN	Dr Barton	18/08 1145 20 mgs 19/08 1120 20 mgs 20/08 1045 20 mgs 21/08 1105 20 mgs
"PRN" Oramorphine	12/08	10 mgs in 5 mls 2.5 mgs oral 4 hourly Regular	Dr Barton	Never given or crossed off
"PRN" Oramorphine	12/08	10 mgs in 5 mls 5 mgs oral nocte Regular	Dr Barton	Never given or crossed off
Diamorphine	18/08	40 – 200 mgs S/C in 24 hours Regular	Dr Barton	18/08 1145 40 mgs 19/08 1145 40 mgs 20/08 1045 40 mgs 21/08 1105 40 mgs
Haloperidol	18/08	5 -10 mgs S/C in 24 hours Regular	Barton	18/08 1145 5 mgs 19/08 1145 5 mgs 20/08 1045 5 mgs 21/08 1105 5 mgs

#### 4. TECHNICAL BACKGROUND / EXAMINATION OF THE FACTS IN ISSUE

- 4.1 This section will consider whether there were any actions so serious that they might be the direct cause, or have made a more than minimal contribution, to the death of Gladys Richards.
- 4.2 Mrs Richards was suffering from the terminal stage of a dementing process, probably Alzheimer's disease. This is reflected in the comments earlier in 1998 by a consultant psycho-geriatrician that she had end stage disease and the well-documented progression of this over many years. Despite this though, she was still able to get around in the nursing home and as is often the case, even with the best forms of monitoring, having multiple falls.
- 4.3 As a result of one of these, she suffers a fractured neck of femur. Sadly this is very common, it is also common for the original fall to lead to a partial fracture which is not diagnosed and then only subsequently sometimes hours, sometimes days later, does it become a clinically obvious fractured neck of femur. Patients with dementia and fractured neck of femur are often missed in hospitals as well as in nursing homes, even by the most astute of staff.

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- 4.4 She has a successful hemi-arthroplasty in Haslar, receives pain relief but does not need any pain relief for the 3 days on 7<sup>th</sup> – 10<sup>th</sup> August. She remains highly dependent though with a Barthel of 3/20. Although she is described as weight bearing in Haslar, the Barthel describes no mobility at all as does the fact that a hoist is needed for transfer at Gosport War Memorial. Many patients with severe dementia, never walk again after a fractured neck of femur and indeed the mortality rate in the months after a fractured neck of femur is extremely high, particularly in the very elderly and those with mental impairment.
- 4.5 However, she survives the first operation and is seen by Dr Reed, Consultant Geriatrician who believes that she should be transferred to Gosport War Memorial to see if any mobility can be regained. This is not unreasonable; it may make her new placement in a nursing home easier if she is able to have some increase in independence.
- 4.6 When she is transferred to Gosport War Memorial Hospital she is seen by Dr Barton who fails to record a clinical examination apart from a general statement she is a frail and demented lady. However, she does state she is not obviously in pain. Despite this, she has written up her drug charts for both low dose of Oramorphine and a high dose of Diamorphine. I can find no clinical justification for these decisions in the notes. If she was worried about pain and feared that it would be hard for the nursing staff to get hold of the doctor, then it would be reasonable to write up a prn of a mild pain killer such as Paracetamol and possibly doses of weak Opioid if simple analgesia did not work. Dr Barton also writes up on the regular prescription side a significant dose of Oramorphine, although this has prn put next to it. I believe this to be highly suboptimal prescribing.
- 4.7 In paragraph 15 of Dr Barton's police statement (12 June 2001) she states "Given my assessment that she was in pain I wrote a prescription for a number of drugs on the 11<sup>th</sup> August, including Oramorph and Diamorphine". I can find nothing in the notes to support this statement.
- In the same report (paragraph 22) Dr Barton states referring to her readmission on the 17<sup>th</sup> August that "I was not aware that she had been having intravenous Morphine at the RHH until shortly before her transfer". I can find no evidence to support this statement in the Haslar notes. The only intravenous Morphine she received in Haslar was around the time of the first operation, the last dose given on 2<sup>nd</sup> August.
- 4.8 Oramorph is actually given by the nursing staff on 11<sup>th</sup>, 12<sup>th</sup> and 13<sup>th</sup>, certainly prior to the definite diagnosis of the dislocation. I can find no justification for giving the drugs in the medical or nursing notes. The comment on the 14<sup>th</sup> August that pain relief has been a problem, probably relates to the dislocation after the fall on the 13th. If no reason

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can be documented or proven, then this is certainly very poor drug prescribing and management. Indeed to prescribe a controlled drug without a clinical indication must be considered negligent in my view.

- 4.9 She is identified as having had dislocation of hip by the 14<sup>th</sup> August. This probably resulted from the documented fall and is not uncommon in frail older people after a fractured neck of femur repair. The Oramorphine that had been given might have contributed in part to this, though she was also on major tranquillisers and suffering from severe dementia. All of which makes such an outcome more likely.

- 4.10 She then returns to Haslar Hospital. The dislocation is reduced under intravenous sedation, and she is then returned back to Gosport War Memorial. She is never right from the moment she returns. She is now documented to be in significant pain. No cause for this pain is suggested in the notes. In my view it would have been appropriate for Dr Barton to discuss Mrs Richards with the surgical team at Haslar Hospital, or with her consultant, to decide if anything further should be done at this stage. Unfortunately, not only is the mortality high after a single operation in a patient with end stage dementia but having a further operation is often an agonal event. The cause of her pain remains unexplained and when seen on the 17<sup>th</sup> by Dr Barton is "now appears peaceful". It is possible Dr Barton only saw her after she had been given Oramorphine, if this is the case it would be poor medical practice, as she would not have been reassessed as to the medical cause of her pain and distress.

Asked  
by Jenkins  
about this



However it seems to me that it would be not unreasonable at this stage if nothing more can be done medically, to provide palliative care and pain relief. Diamorphine is specifically prescribed for pain and is commonly used for pain in terminal care. Diamorphine is compatible with Midazolam and can be mixed in the same syringe driver. Diamorphine subcutaneously after oral morphine, is usually given at a maximum ratio of 1 – 2 (i.e. up to 10 mgs Diamorphine in 20 mgs of Oramorphine). The maximum amount of Oramorphine she had received in 24 hours was 45 mgs prior to starting the syringe driver pump. Thus if her pain was not controlled, it would be appropriate to give a higher dose of Diamorphine and by convention this would be 50% greater than the previous days (Wessex Guideline) but some people might give up to 100%. A starting dose of Diamorphine of 20 – 40 mgs in 24 hours would seem appropriate. Mrs Richards was prescribed 40 mgs, which in my view is just within prescribing guidelines yet seem high for someone who had been identified as "sensitive to Oramorph" by Dr Barton on the 14<sup>th</sup> August (29).

Femer  
disagreed with  
you?

- 4.11 Midazolam is widely used subcutaneously in doses from 5 – 80 mgs for 24 hours and is particularly used for terminal restlessness. The dose of Midazolam used was 20 mgs for 24 hours which is within current

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guidance, although many believe that elderly patients may need a lower dose of 5 – 20 mgs per 24 hours (Palliative Care. Chapter 23 in Brocklehurst's Text Book of Geriatric Medicine 6<sup>th</sup> Edition 2003).

4.12 It was documented that Mrs Richards is peaceful on this dose in the syringe driver and a rattly chest is documented in the medical notes on 21<sup>st</sup> prior to her death (30).

4.13 I understand the cause of death on the death certificate was:

1a) Bronchopneumonia

In my view a correct Death Certificate would have said:

1a) Bronchopneumonia

1b) Immobility following surgical repair of fractured neck of femur

1c) Fall

2 Severe dementia

} Explain why?

There is no doubt that after people have been dying over a number of days, if a post mortem is performed, then secretions and changes of Bronchopneumonia are often found in the lungs as the very final agonal event. This allows clinicians to put the phrase "Bronchopneumonia" on the death certificate.

## 5. OPINION

5.1 Gladys Richards presents an example of a common, complex problem in geriatric medicine. A patient with one major progressive and end stage pathology (a dementing illness) develops a second pathology, has surgery, has a complication after that surgery, has more surgery and gradually deteriorates and dies.

② Any significant role played by the diamorphine from 18/8 onwards? Prof Ferner thinks it did - your view?

5.2 However there were significant failings in the medical care provided to Gladys Richards, in particular:

- The failure to undertake a clinical examination, or to record it if it was undertaken on admission to the Gosport War Memorial Hospital.
- The PRN prescription of strong opioid analgesic on admission to the Gosport War Memorial Hospital without any explanation.
- The use of strong opioid analgesia on the 11<sup>th</sup>, 12<sup>th</sup> and 13<sup>th</sup> of August without any explanation. A decision that might have contributed to her hip dislocation.
- The failure to write up milder analgesic PRN on first admission to the Gosport War Memorial Hospital.
- The possible evidence that Mrs Richards was only reviewed medically after receiving further doses on Oramorphine on her readmission to the Gosport War Memorial Hospital on the 17<sup>th</sup> August.
- The failure to ask for specialist advice as to the cause of the continuing pain after the re-operation and second admission to the Gosport War Memorial Hospital.

① How far have these most likely made a significant contribution to her death on 21/8?