Evaluation of advanced neonatal nurse practitioners: confidential enquiry into the management of sentinel cases

M P Ward Platt, K Brown, on behalf of the Ashington Evaluation Group

A copy of the proforma used for evaluation, including definitions for each point on the scale, is available on www.archdischild.com/ supplemental

Objective: To evaluate the quality of the neonatal care delivered by an advanced neonatal nurse practitioner led service at Ashington Hospital, Northumberland.

Setting: Maternity service with no resident paediatric medical input.

Design: Comparison of quality measures on sentinel cases with five comparator hospitals using modified confidential enquiry.

Results: On six out of seven dimensions, the neonatal nurse practitioner service performed better than the average of the five comparator hospitals, and overall ranked second.

Conclusion: Good quality neonatal care can be delivered by advanced neonatal nurse practitioners alone, without the support of resident junior paediatricians.

Advanced neonatal nurse practitioners (ANNPs) have been delivering neonatal care at Ashington Hospital without the presence of paediatric medical staff since 1996. The practitioners were all trained on the English National Board A19 course. There are eight practitioners equivalent to 6.5 whole time equivalents. They work a shift system providing 24 hour cover at Ashington hospital, and their roles are to provide neonatal resuscitation as needed, the examination of all normal inborn babies on the postnatal wards, and the care of babies in special care. This includes babies admitted from the postnatal wards, near term babies > 31 weeks gestation, babies returning from a period of neonatal intensive care in one of the Northern Neonatal Network hospitals, and babies with relatively mild respiratory disease requiring short term treatment with nasal continuous positive airway pressure. There are established criteria for antenatal transfer to one of the Network hospitals, but high risk babies born unexpectedly at Ashington are stabilised there before transfer out. Close clinical supervision is provided by one of the Newcastle consultants in neonatal medicine on a monthly rotation.

At the time of this study, Ashington Hospital was the site of the obstetric and gynaecology service, a mile away from the rest of the general hospital facilities at Wansbeck hospital. Wansbeck has never had an inpatient paediatric service and does not have paediatric junior staff or senior cover. All inpatient paediatric services are provided in the Newcastle or North Tyneside hospitals.

The Ashington Evaluation Group has been conducting a series of studies to determine how the quality of care compares with other service models. This study aimed to analyse the quality of clinical care of the more difficult cases, comparing Ashington with a variety of other models of medical care, using confidential enquiry. Our null hypothesis was that the quality of care delivered by the ANNPs at Ashington would not be outwith the spectrum of models of medical neonatal care prevalent in the United Kingdom.

METHODS

We based our methodology on that of the national Confidential Enquiry into Stillbirth and Death in Infancy (CESDI), which has been operational since 1992. In CESDI, a panel of representative experts reviews a defined set of cases and identifies notable aspects of suboptimal care. However, we wished to evaluate only the postnatal (paediatric) aspects of care, to include other cases than deaths, and to identify factors notable for excellence, as well as those suggesting suboptimal care. We therefore developed a novel methodology, based on confidential enquiry, which allowed us to capture the full spectrum of quality.

We chose the following index ("sentinel") cases:

- Neonatal deaths (0–27 postnatal days)
- Neonatal seizures
- Babies requiring transfer for specialist care at a referral hospital

After approval by the multicentre research ethics committee, we evaluated 87 anonymised cases of babies born between 1 February 1999 and 31 March 2000. From the three smaller units, we took all available cases, whereas from the largest unit we selected every fifth case chronologically that matched the criteria, to give comparable numbers. Eight dimensions of care, listed in table 2, were each rated on an ordinal scale of 0–4 from seriously deficient to exemplary.

Abbreviations: ANN, advanced neonatal nurse practitioner; CESDI, Confidential Enquiry into Stillbirth and Death in Infancy
The dimension of “transfer” relates to the preparation of the baby for transfer, not the transport itself. A copy of the proforma, including definitions for each point on the scale, is available on the website (www.archdischild.com/supplemental). Case notes were assessed by four raters, supplied by four of the participating units. The notes were fully anonymised in relation to the names of the personnel making the clinical notes, the hospitals from which the notes came, and the identities of the babies. To maximise uniformity of rating, there was a “calibration” meeting using dummy cases drawn from a hospital that did not participate in the comparison. The factors, and their grading, were recorded on the proforma and all documents returned centrally for analysis.

If predefined standards of concordance were not met, the notes were rated by a panel independent of any of the participating hospitals, and this rating was taken as definitive. The criteria were either three or more points discordance on any one dimension, or four or more dimensions discordant by 2 points. The panel consisted of one of each of the following disciplines from the former Northern Region and one from elsewhere: paediatrician, neonatologist, neonatal nurse/midwife, an ANNP; and one independent chairperson. There were at least eight people present for all panel meetings. The panel met six times and deliberated on 26 cases (28% of those assessed).

The five comparator hospitals each had different models of neonatal care (table 1), but all were based on hierarchies of medical staff. They included a regional centre, two district general hospitals within the former Northern Region, one district general hospital from the south of England, and one from Scotland.

We could not perform a prior power calculation because we would have needed knowledge of the likely spread of scores and a view as to what might constitute a relevant difference. As neither of these could be satisfied, the basis of the investigation was that, if no difference between different structures of neonatal care could be shown—on the proposed dimensions—when they were subjected to the intense scrutiny of confidential enquiry, then there would be no reason on quality grounds to prefer one model of healthcare delivery over another.

Table 1 shows the characteristics of the participating hospitals; it can be seen that the comparator hospitals encompassed a broad spectrum of models of neonatal care. A paediatric service on site means the 24 hour availability of junior paediatricians but does not necessarily imply that maternity services are on the same campus as the main general hospital facilities. “Full 2nd on call cover” means the 24 hour availability, seven days a week, of a specialist registrar, “senior” senior house officer, or staff grade doctor. It was “partial” for hospital B in that, although there were middle grade staff, they were not available 24 hours, seven days a week.

RESULTS
A total of 87 cases were examined. The arithmetic means of the scores were taken for each relevant dimension of care for each case, and the mean for each case was averaged for each hospital. Table 2 shows the means for each dimension and for each hospital. There were too few cases involving terminal care to allow meaningful comparison, so the data are shown for completeness, but have not been included in the means at the foot of the table, which are therefore based on the other seven dimensions. Babies given terminal care do not equate to the total hospital figures for neonatal death, for either Ashington or any other unit. Transfers varied between hospitals, with those performing intensive care transferring the least, so the overall means are shown both with and without this dimension included. It can be seen that the ratings of the hospitals, including Ashington, are unaffected by the inclusion or exclusion of this dimension. The lowest score for any single case was 0.49 and the highest 3.07; neither case was from Ashington. The mean overall score for the five comparator hospitals was 2.22, while that of Ashington was 2.37, and overall Ashington ranked second out of the six hospitals.

Although not a formal outcome of this study, perinatal mortality and neonatal mortality data for Ashington and the former Northern Region are shown in table 3. For Northumberland as a whole, the population based perinatal mortality rate fell from a three year average of 10.7 (1995–1997) to 8.1 (1998–2000) against a regional background of 9.3 to 8.6 respectively per 1000 births.

DISCUSSION
We have shown that, over a range of dimensions, the quality of care delivered by ANNPs at Ashington compared favourably with the full spectrum of models of medical care in a variety of locations and settings. We are confident that the service is safe in terms of mortality, as rates of both perinatal and neonatal death, for Ashington and for Northumberland as a whole, compare favourably with the regional averages, and have decreased over the time scale in question.

We wished to assess the quality of the process of care because this is what all babies experience if they pass through the neonatal unit. However, we did not include “routine” cases, where arguably it is easiest to deliver good quality care, but preferred to find those that may be thought most likely to test the system, hence our choice of “sentinel” cases. We recognise that differential patterns of in utero referral will have influenced the case mix, skewing the proportion of sick babies toward the two hospitals (D and E) undertaking neonatal intensive care. However, Ashington and the smaller comparator hospitals (A, B, and C) had similar thresholds for in utero transfer, relating more to the level of their own facilities rather than the presence of medical staff. Even with the most stringent referral policies, very preterm babies are born unexpectedly in smaller units, and both Ashington and the smaller comparator hospitals had to cope with these, as is evident from the gestation and birthweight data in table 2. More mature babies can become unexpectedly unwell in any setting.

We chose to use confidential enquiry as the tool for assessing quality of care because it has become well established through the Confidential Enquiry into Stillbirth and Death in Infancy (CEMACH: www.cemach.org.uk, and it

<table>
<thead>
<tr>
<th>Hospital</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>Ashington</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deliveries in 2000</td>
<td>1537</td>
<td>1253</td>
<td>1708</td>
<td>3181</td>
<td>4730</td>
<td>1629</td>
</tr>
<tr>
<td>Paediatric service on site</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
</tr>
<tr>
<td>Neonatal intensive care</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Regional centre</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
</tbody>
</table>

Table 1 Characteristics of Ashington and comparator hospitals
is therefore familiar to those working in a maternity service: it has also been used to assess quality of care in other settings. However, the traditional CESDI methodology used in maternity services focuses on adverse events, and grades care on a scale from 0 (no suboptimal care) to 3 (suboptimal care where “different management would reasonably have been expected to alter the outcome”). This perspective has the obvious limitation that it misses the opportunity of capturing a full spectrum of quality, from excellent to very poor, which we wished to ascertain; hence our modification of the CESDI methodology. We also departed from CESDI methodology in using individual raters, to make more manageable the logistics of undertaking scrutiny of a large number of cases. This allowed us to confine the independent panel meetings to those cases on which the individual raters were discordant, and it will be of interest to others who may wish to use this methodology to see that the panel needed to review over a quarter of the cases scrutinised.

The main drawbacks of using confidential enquiry to study quality are the possibility of inconsistency between the raters in scoring each dimension, the lack of explicit criteria or norms for what constitutes “quality”, and the reliance on the written record for assessing what actually happened. There is also the difficulty of maintaining complete blindness to the hospital where the notes originated. We tried to address this by using other cases to calibrate their rating against written record for assessing what actually happened. There is evidence of such bias.

One of the strengths of this study was the spectrum of comparator hospitals, although our inability to identify them in this paper (because of confidentiality) may also be seen as a limitation. At the time the study was conceived, there was no consensus about the “best” way of delivering neonatal care to a population. The criteria recently published by the British Association of Perinatal Medicine (BAPM) represent a consensus view on standards rather than a blueprint for service configuration, and a variety of models of provision may allow the standards to be met. In planning this study, we took the view that it was essential to set the performance of the ANNPs at Ashington in the context of a wide range of types of provision, and to ensure that more than one of the comparator units was from outside the Northern & Yorkshire Region. We believe that this adds a measure of generalisability to our findings, which offsets the fact that the former Northern Region has a long standing managed clinical network for neonatal intensive care that is different from the rest of England.

Recent UK studies have compared neonatal nurse practitioners with junior paediatric staff in the routine examination of the newborn in a general hospital and for neonatal resuscitation in a tertiary neonatal intensive care setting. Both these “head to head” studies found that ANNPs performed at least as well as junior doctors, but neither were able, with their more limited remits, to address wider questions of quality in relation to the more complex areas of practice that we examined. In contrast, we set out to evaluate the whole service package, and, although our method was very labour intensive, we hope it will encourage others to use confidential enquiry to measure the quality of overall care.

What are the factors that enable the ANNPs at Ashington to deliver good quality care? The practitioners do not change every six months as junior doctors do, and consequently have developed long term team relationships with their midwifery

<table>
<thead>
<tr>
<th>Table 2</th>
<th>Gestation, birth weight, and mean score on each dimension by hospital</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hospital</td>
<td>A (n = 12)</td>
</tr>
<tr>
<td>Birth weight (g)</td>
<td>1818 (796–3500)</td>
</tr>
<tr>
<td>Resuscitation</td>
<td>1.93</td>
</tr>
<tr>
<td>Admission</td>
<td>1.83</td>
</tr>
<tr>
<td>Stabilisation</td>
<td>1.82</td>
</tr>
<tr>
<td>Investigation</td>
<td>2.06</td>
</tr>
<tr>
<td>Communication</td>
<td>1.29</td>
</tr>
<tr>
<td>Treatment</td>
<td>1.77</td>
</tr>
<tr>
<td>Transfer (n)</td>
<td>1.89 (6)</td>
</tr>
<tr>
<td>TC (n)</td>
<td>1.62 (4)</td>
</tr>
<tr>
<td>Mean, excl TC</td>
<td>1.80</td>
</tr>
<tr>
<td>Mean, excl TC and transfer</td>
<td>1.78</td>
</tr>
</tbody>
</table>

Gestation and birth weight are given as mean (range). TC, Terminal care.

<table>
<thead>
<tr>
<th>Table 3</th>
<th>Perinatal mortality rates (PNMR) and neonatal death rates (NNDR) for Ashington and the former Northern Region</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ashington</td>
<td>All Northern Region units</td>
</tr>
<tr>
<td>PNMR 2000</td>
<td>6.8</td>
</tr>
<tr>
<td>PNMR 1998–2000</td>
<td>8.3</td>
</tr>
<tr>
<td>NNDR 2000</td>
<td>4.3</td>
</tr>
<tr>
<td>NNDR 1998–2000</td>
<td>3.8</td>
</tr>
</tbody>
</table>

All data are from the Northern Regional Maternity Survey annual report for 2000.
and senior obstetric colleagues. They work within well developed guidelines. They are supported by the consultants from the regional centre in Newcastle, one of whom has specific responsibility for Ashington in any given month, yet they have a high degree of professional autonomy. They engage in continuing professional development, including neonatal life support courses, and can therefore demonstrate proficiency and competency independently of evaluations such as this. Finally, the delivery rate provides sufficient workload to allow both skill retention and the steady acquisition of further experience, which we believe would not necessarily be the case for a unit delivering less than a thousand babies a year.

In conclusion, we have shown that quality of care can be assessed in a robust manner by means of confidential enquiry. When applied to the model of care provided at Ashington, we have shown that the quality falls in the upper half of the spectrum for models of neonatal provision that are typical in the United Kingdom at present. This implies that it is not always necessary to collocate maternity services with medical paediatric services, and that good quality maternity services do not have to rely on resident junior paediatric doctors.

CONTRIBUTORSHIP
MPWP, together with the Evaluation Group, conceived the study, supervised its execution, and wrote the paper. KB undertook the data collection and analysis, and wrote the paper.

ACKNOWLEDGEMENTS
We are grateful to the following for either their support, collaboration, their work as local raters, or their membership of the Ashington Evaluation Group: Ms S Bower, Dr A Akak, Dr W Houlby, Dr J Katumba, Dr R Simpson, Ms S Whyte-Earle, Mrs K Davidson, Dr A Fenton, Mrs J Oliver and all the other nurse practitioners at Ashington, Helen Watson, Fiona Hutchinson, Jackie Christer, Edmund Hey, Robert Lambourn, Barbara Martin, and Unni Wariyar. The following people served on the independent review panel: Dr I Smith (Chairman), Dr D Bosman, Ms A Bowes, Dr B Gill, Ms B Harrison, Dr C Harrison, Mr A Leslie, Ms K Naylor, Dr W Tin.

REFERENCES
Advanced Neonatal Nurse Practioner Assessment Project
Confidential Enquiry: Assessment of Care

Study case number

Rater initials

Rating scales
The specific questions and their associated tick boxes are provided to focus the rater’s mind on the key issues in order to give an overall rating on each dimension in the Opinion box.

You are asked to give written opinions in the Opinion boxes and to rate each dimension on a 5 point scale of 0 to 4. The definitions of the scale are as follows:
<table>
<thead>
<tr>
<th>Score</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Performance fell well below that which could be regarded as acceptable and could have contributed to a poor outcome.</td>
</tr>
<tr>
<td>1</td>
<td>Substandard performance, with significant omissions to the record, but not likely to have affected the outcome.</td>
</tr>
<tr>
<td>2</td>
<td>Adequate, safe care, but no frills. Most of the information there but not very well laid out.</td>
</tr>
<tr>
<td>3</td>
<td>Above average performance and care. Comprehensive record with all the necessary information.</td>
</tr>
<tr>
<td>4</td>
<td>Exemplary care. Clear, well structured record, full documentation, all necessary and no inappropriate actions.</td>
</tr>
</tbody>
</table>
A. Resuscitation

1. Personnel present for resuscitation
   (record number of individuals in each category if possible; simply tick the box if not known)

<table>
<thead>
<tr>
<th>Personnel</th>
<th>Present at delivery</th>
<th>Arrived later</th>
</tr>
</thead>
<tbody>
<tr>
<td>Midwife</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Neonatal Nurse</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ANNP</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Consultant paediatrician</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SpR in paediatrics</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Staff grade in paediatrics</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SHO in paediatrics</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other (specify if known)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

2. Condition at birth
   a) Was the heart rate present at birth? Yes No n/k
   b) Was spontaneous respiration present within one minute of birth? Yes No n/k

3. Resuscitation in the first minute after birth
   a) Was there absent or ineffective respiration or persistent heart rate <100/min? Yes No n/k
   b) Was IPPV administered (by mask or intubation)? Yes No n/k

4. Resuscitation 5 minutes after birth
   a) Was there absent or ineffective respiration or persistent heart rate <100/min? Yes No n/k
   b) Was IPPV administered (by mask or intubation)? Yes No n/k

5. At any time during resuscitation
   a) After effective IPPV had been established was the heart rate <60/min at any stage? Yes No n/k
   b) Was external chest compression performed? Yes No n/k
6. Drugs administered during resuscitation

<table>
<thead>
<tr>
<th>Drug</th>
<th>Dose</th>
<th>Route</th>
<th>Age in hours and minutes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adrenaline</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bicarbonate</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Volume expander</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Glucose</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other (specify)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Opinion - A**

Detail any aspects of the resuscitation which you consider to be exemplary:

Detail any aspects of the resuscitation which you consider to be sub-standard:

Overall rating [ ]
B. Admission to Special Care

1. Age at admission to Special Care

2. Clinical status on admission
   a) Was there spontaneous and effective respiration on admission?
      Yes  No  n/k
   b) Was IPPV with tracheal intubation given within the first postnatal hour?
      Yes  No  n/k
   c) Was CPAP given within the first postnatal hour?
      Yes  No  n/k
   d) What was the infant’s temperature when first recorded on admission to Special Care?
      ........°C  n/k

3. Clinical examination
   Did the clinical examination after admission to Special Care record:
      All applicable  Some  None
   a) Respiratory (moans/grunts, rate, effort, colour, FiO2, ventilator settings)
   b) Cardiovascular (heart rate, perfusion, heart sounds)
   c) Neurological (tone, conscious level, spontaneous movements, abnormal movements)
   d) Abdominal (distension, umbilicus, genitalia)
   e) Other (specify)____________________________________________________________

Opinion - B

Detail any aspects of the admission to Special Care which you consider to be exemplary:

Detail any aspects of the admission to Special Care which you consider to be sub-standard:

Overall rating ☐
C. Stabilisation

a) Was surfactant administered? Yes No n/k

<table>
<thead>
<tr>
<th>Dose</th>
<th>Name of surfactant</th>
<th>Age in hours and minutes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dose 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dose 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dose 3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dose 4</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

b) At what age was an intravenous infusion established? ..........hours ..........minutes n/k

c) How was oxygenation monitored? (tick all that apply)
   SpO₂  TcPO₂  Capillary sample  From arterial line  Not monitored n/k

d) How was carbon dioxide status monitored? (tick all that apply)
   TcPCO₂  Capillary sample  From arterial line  Not monitored n/k

e) How was blood pressure monitored? (tick all that apply)
   From arterial line  Machine  Cuff + doppler or pulse oximeter  Not monitored n/k

f) How was the circulatory status assessed?
   Colour  Skin temperature  Capillary return  Not assessed n/k

Opinion - C

Detail any aspects of the stabilisation which you consider to be exemplary:

Detail any aspects of the stabilisation which you consider to be sub-standard:

Overall rating
D. Investigations

a) What investigations were done within 24 hours of admission, before and after 2 hours from admission? (tick all that apply)

*Blood gas
Haematocrit alone
*Full blood count
*Blood culture
Blood glucose reagent strip
*True blood glucose (including HemoCue)
*Urea and electrolytes

Other (specify)___________________________________

b) Were important or abnormal results documented clearly Yes No n/k in the narrative record?

c) Was appropriate action taken on any abnormal results? Yes No n/k

d) Were appropriate initial investigations done for seizures? All Some n/k n/a
(Those * above plus calcium & magnesium)

e) Were any inappropriate investigations done? Yes No

Specify:_______________________________________________________________

Opinion - D

Detail any aspects of the investigations which you consider to be exemplary:

Detail any aspects of the investigations which you consider to be sub-standard:

Overall rating
E. Communication with parents

a) Was any record made of communication with parents in the delivery room? Yes No n/k

b) Was any record made of communication with parents around the time of admission? Yes No n/k

c) Was any record made of communication with parents from 1 hour after admission? Yes No n/k

Opinion - E
Detail any aspects of the communication with parents which you consider to be exemplary:

Detail any aspects of the communication with parents which you consider to be sub-standard:

Overall rating
F. Treatment

1. Respiratory support
   Is there evidence that support was adjusted according to clinical/monitor/blood gas information? Yes No n/k

2. Infection
   a) Were antibiotics started promptly after admission, if indicated? Yes No n/k
   b) For how many days was the baby treated during the primary course? .............days

3. Seizures
   a) Were seizures treated promptly? Yes No n/k
   b) Was the treatment appropriate? Yes No n/k

4. Other
   a) Did any other medical complication develop? Was it treated appropriately?

                                  Yes No n/k
                                  ______________________________
                                  ______________________________

Opinion - F
Detail any aspects of the treatment which you consider to be exemplary:

Detail any aspects of the treatment which you consider to be sub-standard:

Overall rating  


G. Transfer out

1. Reason for transfer (tick the main reason)
   - Medical (respiratory, prematurity, asphyxia etc)
   - Medical (subspecialty eg metabolic, nephrology)
     - Surgical
     - Cardiac
     - Other (specify)

2. Who undertook the transfer?
   a) Team from the unit of destination

   b) Staff from the referring unit (tick all that apply):
     - Nurse
     - ANNP
     - Paediatric Consultant
     - Paediatric SpR
     - Paediatric SHO

3. Was a copy of the transfer letter retained in the notes?  
   - Yes  
   - No

Opinion - G
Detail any aspects of the preparation for transfer which you consider to be exemplary:

Detail any aspects of the preparation for transfer which you consider to be sub-standard:

Overall rating

10
**H. Palliative/Terminal Care**

<table>
<thead>
<tr>
<th>Question</th>
<th>Yes</th>
<th>No</th>
<th>n/k</th>
</tr>
</thead>
<tbody>
<tr>
<td>a) Was there a clear record of relevant discussions with parents?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>b) Were the wishes of the parents recorded?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>c) Was there a record of the personnel who supported the parents through the death?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>d) Was there a statement of the plans for follow-up?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>e) Was it recorded as to whether an autopsy was requested?</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Opinion - H**

Detail any aspects of palliative care which you consider to be exemplary:

Detail any aspects of palliative care which you consider to be sub-standard:

Overall rating □