

# Medical Admissions into Adult General Intensive Care Units

Questionnaire Assessment Form

Questionnaire number



DOCUMENTATION PROVIDED:					
Admission notes					
Medical notes for 3 days prior to ICU admission	2	3	R		
Nursing notes for 3 days prior to ICU admission	2	3	R		
Patient monitoring charts for 3 days prior to ICU	2	3	R		
Drug prescription charts for 3 days prior to ICU	2	3	R		
Inpatient discharge summary as sent to the GP					
Autopsy report					

PATIENT DETAILS	
Age	Gender Male Female
Admission to hospital:	Admission to ICU:
Date Day Month Year	Date Day Month Year
Day	Day
Time : (24-hour clock)	Time : (24-hour clock)

# SECTION I. Data extracted from case notes for the 3 days prior to ICU admission

### A. PHYSIOLOGICAL INSTABILITY

1. Date and time patient met criteria below for the first time:

(For dates, only day and month are entered)

Insuffici	ent case notes provided to accurately comp	lete th	is question:			
a.	Cardiorespiratory arrest		Yes	No		Insufficient data
	If YES,	Date		]	Time	
b.	Respiratory rate: <8 breaths/min		Yes	No		Insufficient data
	If YES,	Date		]	Time	
c.	Respiratory rate: >30 breaths/min		Yes	No		Insufficient data
	If YES,	Date			Time	
d.	SaO <sub>2</sub> <90% on Oxygen		Yes	No		Insufficient data
	If YES,	Date		]	Time	
e.	Difficulty speaking		Yes	No		Insufficient data
	If YES,	Date		]	Time	
f.	Pulse rate: <40 beats/min		Yes	No		Insufficient data
	If YES,	Date			Time	
g.	Pulse rate: >130 beats/min		Yes	No		Insufficient data
	If YES,	Date			Time	
h.	Systolic blood pressure <90mmHg		Yes	No		Insufficient data
	If YES,	Date			Time	
i.	Repeated or prolonged seizures		Yes	No		Insufficient data
	If YES,	Date			Time	
j.	Any unexplained decrease in consciousne	SS	Yes	No		Insufficient data
	If YES,	Date			Time	
k.	Agitation or delirium		Yes	No		Insufficient data
	If YES,	Date			Time	
I.	Concern about patient status not detailed above		Yes	No		Insufficient data
	If YES,	Date		]	Time	

(Criteria based on Medical Emergency Team<sup>1-2</sup>)

# **B. PATIENT REVIEWS**

2. Details of patient reviews in the 3 days prior to ICU admission (this excludes the admission entry, if applicable, but includes the referral entry):

9	8	7	6	5	4	3	2	Date (Day and month)	
			:					<b>Time</b> (24-hour clock)	
								Plan Unpla Insuffi da	nned
								Grade of reviewer (see definitions)	
								(see definitions)	Speciality of
								Insufficient Yes No data	Contact details of reviewer recorded

Page 3 of 10

Further reviews attached as an appendix.

# 3. Concerns expressed in nursing notes:

Date (Day and month)	Time (24-hour clock)	Summary of note
2		
3		
4		

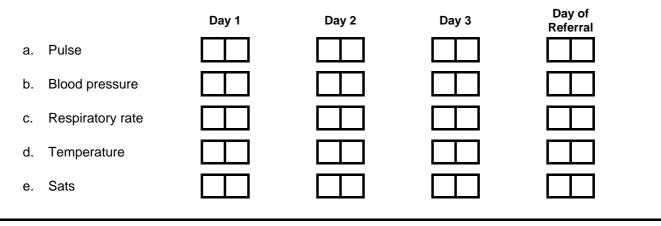
4.	а	Is the resu	scitation status documented?	Yes No Insufficient data
	b	lf <b>YES</b> , i	Date (last entry) documented:	Insufficient data
		ii	Time (last entry) documented:	Insufficient data
		iii	Grade of doctor documenting resuscitation status:	(see definitions) Insufficient data
		iv	Decision documented:	<ul><li>Patient for resuscitation</li><li>Patient not for resuscitation</li></ul>
		v	Discussion with patient?	Yes No Insufficient data
		vi	Discussion with family?	Yes No Insufficient data

### C. OBSERVATIONS

**5.** Documented request for type and frequency of physiological observations to be made:

		Obse	rvations r	equested?	If YES, frequency of observation requested:			
		Yes	No	Insufficient data	Hourly	4-hourly	Other	Insufficient data
a.	Pulse							
b.	Blood pressure							
c.	Respiratory rate							
d.	Urine output							
e.	Fluid balance							
f.	Central venous pressure (CVP)							
g.	Oxygen saturation (SpO2)							
h.	Other							
6.	Are there instructions when to alert the med of deterioration in spe	ical staff ir	n the ever	nt 🏼 Y	′es	No	Insufficio	ent data

7. Number of times each of the following observations were recorded in the 3 days prior to ICU referral: (*These counts are taken from observation charts, where provided, and not from information in the case notes*)



8.	a.	CVC was i	inse	nce in the case notes that a rted in the period prior to the ICU admission?	Yes No
	b.	Was a CV ICU admis		serted in the 3 days prior to ?	Yes No Insufficient data
	c.	lf YES,	i	Reason for insertion:	<ul> <li>Nutrition (TPN)</li> <li>Drugs requiring central route</li> <li>To assess volaemic state</li> <li>Resuscitation</li> <li>Not stated</li> <li>Other</li> </ul>
			ii	Date of insertion:	Day Month
			iii	Time of insertion:	: (24-hour clock)
			iv	Grade of doctor:	(see definitions)
			v	Speciality of doctor:	(see definitions)
			vi	Was a plan documented for use of CVP data?	Yes No Insufficient data

## Additional notes

### **SECTION II. Expert opinion from case notes**

In this section, you will be asked to provide opinions on the management of the patient. Please use a black or blue pen and complete all questions with either a bold cross or block capitals.

**Appropriate** may be defined as: The expected health benefits to an average patient exceed the expected health risks by a sufficiently wide margin to make the intervention worthwhile and that that intervention is superior to alternatives (including no intervention)<sup>3</sup>.

### E. APPROPRIATENESS AND TIMING OF REFERRAL

10.	а	Was referral to ICU appro patient?	priate for this	Yes	No	Insufficient data
	b	lf NO,		ferral was not ap I was made too		o poor chance of survival.
				Please specify	/	Please go to question 12
11.	а	Was referral to ICU made time?	at the correct	Yes	No	Insufficient data
	b	lf NO,	1 Referra	al should have b	een made earli	er.
				al was made too	early	
					ouny.	
12.	а	Was admission to ICU ap patient?	propriate for this	Yes	No	Insufficient data
	b	lf NO,	1         ICU ad           2         Other:	mission was no	t appropriate du	e to poor chance of survival
13.	а	Could this admission to IC avoided?	CU have been	Yes	No	Insufficient data
	b	lf YES,				eed for admission. ve avoided admission.

### F. PATIENT MANAGEMENT PRIOR TO ICU REFERRAL

1				
QUI	ESTIONS 14 – 18 REFER TO THE ADMISSION I	NOTE ONLY		
14.	Was an adequate/acceptable history taken at first contact with the patient?	Yes	No	Insufficient data
15.	Was the clinical examination complete at first contact with the patient?	Yes	No	Insufficient data
16.	a Was a diagnosis (or differential diagnoses) reached in the initial review of the patient (up to but not including the post-take ward round)?	Yes	No	Insufficient data
	b If <b>YES</b> , was this correct (or the correct diagnosis included in the differential)?	Yes	No	Insufficient data
17.	a Was there a reasonable initial treatment plan in the notes?	Yes	No	Insufficient data
	b If <b>YES</b> , was this followed?	Yes	No	Insufficient data
18.	How would you describe the appropriateness of the treatment for the condition of the patient?	2 Prom 3 Appro 4 Inapp	pt and appropriat pt but inappropria opriate but appare propriate and dela ficient information	ate therapy. ent delay. iyed.
19.	Grade the following aspects of the management of the patient in the 3 days prior to ICU referral using 1-9 scale, where 1=very poor and 9=excellent. Insufficient data for: $1 \ 2 \ 3 \ 4 \ 5 \ 5$	2 Breat 3 Circu	lation en therapy	<ul> <li>Not applicable</li> <li>Not applicable</li> <li>Not applicable</li> <li>Not applicable</li> <li>Not applicable</li> <li>Not applicable</li> </ul>
20.	Was the correct diagnosis (i.e. diagnosis of the condition leading to ICU referral) made by the referring physician prior to ICU admission?	Yes	No	Insufficient data

### G. ORGANISATION OF CARE

**21.** In the 3 days prior to referral, please grade the following on a scale of 1-9, where 1 = very poor and 9 = excellent.

		1 🗌 Or	rganisational aspects of care	Insufficient data
		2 🗌 Kn	nowledge	Insufficient data
		з 🗌 Ар	opreciation of clinical urgency	Insufficient data
		4 Su	upervision	Insufficient data
		5 Ac	dvice from senior doctors	Insufficient data
22.	а	Was an autopsy performed?	Yes No	Insufficient data
	b	If <b>NO</b> , should an autopsy have been performed?	Yes No	Insufficient data

### I. SUMMARY OF ASSESSMENT OF CARE

**23.** How would you categorise the quality of care of this patient? Please cross both 2 and 3 if there was room for improvement in both clinical and organisation aspects of care

25.	Cause f	or concern cases
24.		was less than good practice, did the Yes No Insufficient data acies in care contribute to the patient's
	5.	Insufficient information submitted to assess the quality of care.
	4.	Less than satisfactory – this is a case in which the advisor has serious concerns about the patient care, although recognising that NCEPOD had incomplete information and does not know fully the local circumstances.
	3.	Room for improvement: aspects of organisational care that could have been better.
	2.	Room for improvement: aspects of <b>clinical</b> care that could have been better.
	1.	Good practice – a standard that you would accept from yourself, your trainees and your institution.

Occasionally NCEPOD will refer cases that have been identified as 4 (Less than satisfactory) when it is felt that further feedback to the Trust concerned is warranted. This is usually due to an area of concern particular to the hospital or clinician involved, and not for issues being highlighted across the body of case-notes. This process has been agreed by the NCEPOD Steering Group and the GMC. The Medical Director of the Trust is written to by the Chief Executive of NCEPOD explaining our concerns. This process has been in operation for two years and the responses received have always been positive in that they feel we are dealing with concerns in the most appropriate manner.

	If you feel that this case should be considered for			
26.	Are there any particular issues which you feel should be highlighted in the final report?	Yes	No	Insufficient data
	If YES, please specify overleaf.			

Please provide any additional co	mments about the managemen	it of the patient which m	ay be useful during further
analysis.			

		۰.			
1	n	11	12	als	
		14	10	10	

Date



### DEFINITIONS

GRADES have been coded as one of the following:

- CON Consultant
- SAS Staff grade, Associate specialist, Clinical assistant,
- Trust doctor, Clinical fellow, Hospital practitioner
- SP3 SpR year 3+
- SP1 SpR year 1/2
- **REG** Registrar, grade unspecified
- SHO Senior House OfficerPHO Pre-registration House Officer

### **SPECIALTIES**

- A&E Accident and Emergency
- ANA Anaesthetist
- CAR Cardiology
- CGE Clinical Genetics
- NEP Clinical Neurophysiology
- PHA Clinical Pharmacology & Therapeutics
- DER Dermatology
- END Endocrinology & Diabetes
- GAS Gastroenterology
- GEN General (Internal) Medicine
- GUM Genito-Urinary Medicine+HIV/AIDS
- GER Geriatric Medicine
- GYN Gynaecology
- HAE Haematology
- HEP Epatology
- INC Intensive Care
- ITM Infection & Tropical Medicine
- MIC Microbiology

### NUR Nurse ORT Orthopaedic PCA Paediatric Cardiology PAL **Palliative Medicine** RAD Radiology Rehabilitation Medicine REH REN **Renal Medicine** RES **Respiratory Medicine** RHE Rheumatology SUR Surgeon тно **Thoracic Medicine** OUT **Outreach Team**

MON

NEU

NES

NUM

Medical Oncology

Nuclear Medicine

Neurology

Neurosurgery

### References

- 1. Bellomo R, Goldsmith D, Uchino S, Buckmaster J, Hart GK, Opdam H, Silvester W, Doolan L, Gutteridge G. A prospective before-andafter trial of a medical emergency team. Med J Aust. (2003) 15;179(6):283-7.
- 2. Lee A, Bishop G, Hillman KM, Daffurn K. The Medical Emergency Team. Anaesth Intensive Care (1995) 23(2):183-6.
- 3. Consensus development methods, and their use in clinical guideline development. Health Technology Assessment 1998; 2: 3.