EMERGENCY AND ELECTIVE SURGERY IN THE ELDERLY STUDY

National Confidential Enquiry into Patient Outcome and Death (NCEPOD)

Data collection tool - SURGERY

	Hos	pital number	
A. PA	TIENT DETAIL	S	
1.	Age at time of proc	edure	years
2.	Gender		Male Female
3.	Date of death		d d m m y y
4.	Date of operation		d d m m y y
5.	Time of operation		
6.	Operation undertak	ken:	hh m m
B. AC	MISSION DET	AILS	
7.	Admission details*:	: Time:	Date: Day:
	*Includes via Admis	ssion Unit hh m m	dd m m y y
8.	Please specify an a	admission category	
	Elective	A time agreed between t	the patient and surgical service
	Planned	Within 48 hours of referr	al/consultation
	Emergency	Immediately following reand at short notice beca	ferral/consultation, where admission is unpredictable use of clinical need
9.	To what specialty v	vas the patient first admitte	ed?
10a.	Was the clinical are	ea of admission appropriat	e?
10b.	If NO, please speci	fy;	

C. IN	ITIAL ASSESSMENT							
11a.	Was the time, grade and specialty of the initial assessment appropriate to the severity and complexity of the illness or surgical condition?		Yes		No		Unable to ans	wer
11b.	If NO, please give details;							
12.	Is there documented evidence in the casenotes which permits you to determine the date, time and location of first consultant review?		Yes		No		Unable to ans	wer
13.	How many hours after admission was the patient seen by a consultant?		H	ours				
14a.	Is there evidence of a clear management plan? (i.e. a management plan multiple clinical teams can follow,							
	including a differential diagnosis, plan of investigations, plan of treatment, initial treatment		Yes		No		Unable to ans	wer
	options and point of review).		Incom	plete				
14b.	If YES, was this appropriate?		Yes		No		Unable to ans	wer
14c.	If NO, please give details;							
15.	If not admitted under Medicine for the Care of Older People, was the patient reviewed by a Medicine for the		Yes		No		Unknown	
	Care of Older People consultant?	Not applicable (admitted under MCOP)						
16a.	Is there evidence in the case notes of involvement of plant the Care of Older People?	nysici	ans wit	h resp	onsik	oility f	for Medicine for	r
	a) Pre-operatively		Yes		No		Unable to ans	wer
	b) Post operatively		Yes		No		Unable to ans	wer
16b.	If YES, is there evidence of a delay in the patient being assessed by a Medicine for the Care of Older People clinician?		Yes		No		Unable to ans	wer
17.	If the patient was on a surgical care pathway for older people, is there evidence of Medicine for the Care of Older People input?		Yes		No		Unable to ans	wer
18.	Is there evidence of Medicine for the Care of Older People input into ward guidelines for the care of the older surgical patient?		Yes		No		Unable to ans	wer
19.	How often was the patient reviewed by Medicine for the Care of Older People?		Daily Once	only	Less	ofter	n Never	

D. CC	DMORBIDITY						
20a. 20b.	Were there any comorbidities at the time of the second of	□ No		Unknown			
	Diabetes Re	enal disease		Hyperte	nsion		
	Respiratory disease D	ementia		Memory	ı impairm	ent	
	Parkinson's disease 0	steoperosis or pre	vious bo	ne fractui	re		
	Delirium						
	Cerebrovascular disease						
	Previous TIA	revious stroke					
	Ischaemic heart disease						
	Atrial fibrilation	ngina		Previous	s myocar	dial inf	arction
	Previous stent insertion Co	ongestive cardiac t	failure				
21a.	Was the patients weight recorded in the c	asenotes?	Yes	☐ No	Ur	าable t	o answer
21b.	If YES, please state			kg			
22a.	Was the patients BMI recorded in the case	enotes?	Yes	☐ No	Ur	nable to	o answer
22b.	If YES, please state						
23a.	Was there evidence of malnutrition on adr	mission?	Yes	☐ No	Ur	าable t	o answer
23b.	If YES, was nutritional support given?		Yes	☐ No	Ur	าable t	o answer
23c.	If YES, was this:		Oral su	pplement	tation		
			Enteric	feeding			
				☐ Nas	sogastric [·]	tube	
				☐ Nas	sojejunal t	tube	
				D PEC	G/RIG		
			Parente	eral feedii	ng		

E. M	EDICATIONS	
24a.	How many medications was the patient prescribed pre-operatively (including inhalers)? (To include regular medications and additional on admission)	☐ 1-5☐ >5☐ >10☐ Unable to answer
24b.	How many medications was the patient prescribed in the first 48 hours post operatively (including inhalers)? (To include regular medications and additional on admission)	☐ 1-5☐ >5☐ Unable to answer
25.	Did Medicine for the Care of Older People clinicians have any input into the patient's medicine reviews?	☐ Yes ☐ No ☐ Unable to answer
26.	Did an experienced ward pharmacist have any input into the patient's medicine reviews?	Yes No Unable to answer
F. C	DNSENT	
27.	Would you expect a consent form to be present for this patient, based on the urgency of their admission?	Yes No Unable to answer
28a.	If YES, was the correct signed form in the notes?	Yes No Dhable to answer
28b.	If YES, was this the appropriate one?	Yes No Unable to answer
29a.	Was the consent form completed adequately?	Yes No Duable to answer
29b.	If NO, please expand on your answer	
30a.	Was the cognitive function of the patient assessed and recorded prior to consent being taken?	Yes No Dnable to answer
30b.	If YES, how was this assessed? (Answers may be mul	tiple)
	Mini mental score Clinical assess	ment
	Other (please specify)	
31a.	Was the patient judged to be competent to consent to surgery?	Yes No Unable to answer
31b.	If NO, what "consenting" process was employed?	
32.	If the patient lacked capacity, who gave signed consen	t? (Answers may be multiple)
	☐ Next of kin ☐ Surge	on in the best interest of the patient
	Patient advocate Family	y or carers
	Mental capacity advocate Anoth	er medical colleague
	☐ Welfare attorney ☐ Indep	endent capacity advocate
	Other (please specify)	

33.	What was the g	rade of the most senior doc	tor pr	oposin	g the o	perati	on?				
	Consultant			Senio	r speci	alist tr	ainee	(SpF	R 3+ c	or ST3+)	
	Staff grade	or Associate specialist		Junio	specia	alist tra	ainee	(SpR	1&2	or ST18	§ 2)
	Trainee witl	n CCT		Basic	grade	(FY or	CT)				
	Other (plea	se specify)									
34.	Please classify t	he procedure									
•	☐ Immediate	Immediate life or limb savi	ing su	ırgery.	Resus	citatio	n sim	ultane	eous '	with sur	gical
	Urgent	Acute onset or deterioration fixation of fractures; relief admissions not requiring a	of dis	tressin	g symp			•		_	•
	Expedited	Stable patient requiring eatherest to life, limb or organ	arly int	tervent		a con	dition	that i	is not	an imm	ediate
	Elective	Surgical procedure planne	ed or l	oooked	l in adv	ance o	of rou	itine a	admis	sion to h	nospital
35a.	Were there any operation?	delays between admission	and			⁄es		No		Unable	to answer
35b.	If YES, were the times for specia	se delays incurred as a res l investigations?	sult of	wait		⁄es		No		Unable	to answer
35c.	If YES, how man	ny days was surgery delaye	d by?	•							
36.	•	was the operation performe e. without significant delay		3		⁄es		No		Unable	to answer
37a.		was the grade and experier geon in theatre at the time or oriate?				⁄es		No		Unable	to answer
37b.	If NO, please ex	pand on your answer;									
38a.	•	was the specialty of the mo re at the time of the operati		nior		⁄es		No		Unable	to answer
38b.	If NO, please ex	pand on your answer;									
38c.		was the grade and experier esthetist appropriate to the of this patient?		f the		⁄es		No		Unable	to answer

G. FIRST OPERATION

39.	Please grade the quality of the docmentation of the surg	gical note;					
	☐ Not available						
	Good (all aspects of the documentation were well presented and easy to read						
	Satisfactory (most aspects of the documentation were well presented and easy to read						
	Poor (many aspects of the documentation were pre	esented unc	learly and	difficult to read)			
H. PF	RE-OPERATIVE PREPARATION						
40a.	Was the patients clinical condition adequately optimised pre-operatively?	☐ Yes	☐ No	Unable to answer			
40b.	If NO, what, in your opinion would have improved their re	eadiness? (a	nswers m	ay be multiple)			
	Involvement of Medicine for the Care of Older People	le					
	Specific drug therapy, e.g. correction of fast AF	Fluid	resuscita	tion			
	Correction of blood sugar or electrolyte imbalance	Corre	ection of a	naemia			
41.	For urgent and emergency admissions, what was the integrand the induction of anaesthesia?	erval from b	eing decla	red ready for surgery			
			☐ No	t applicable			
	> or = 36 hours and < 48 hours Not recorded						
I. FLU	UID BALANCE						
42.	Is there recorded evidence of pre-operative dehydration, i.e. decreased urine output, skin turgor, decreased blood pressure.	Yes	☐ No	Unable to answer			
43.	Were fluids clearly prescribed e.g. within the drug administration record?	Yes	☐ No	Unable to answer			
44.	If this was an acute admission, in your opinion how do your resuscitation?	ou categoris	e the pre-d	perative fluid			
	Adequate/Appropriate Inadequate	Excess	sive	Unable to answer			
45 .	In your opinion, how would you categorise the peri-opera	ative fluid ad	ministratio	n?			
	Adequate/Appropriate Inadequate	Excess	sive	Unable to answer			
46.	In your opinion, how would you categorise the post opera	ative fluid ac	lministratio	n?			
	Adequate/Appropriate Inadequate	Excess	sive	Unable to answer			
47 .	What was the quality of the fluid balance charts?						
	Good Satisfactory Door	Unaco	ceptable	Unable to answer			
48.	Were urea and electrolytes measured at appropriate intervals post operatively?	Yes	☐ No	Unable to answer			

J. R	ENAL II	MPAIRMENT							
49.		evidence that Acute n admission?	e Kidney Injury (AK	l) was	Yes	☐ No		Unable to	o answer
5 0.	•	opinion was there a ors for AKI?	dequate assessme	nt of	☐ Yes	☐ No		Unable to	o answer
51.	Did the	patient develop AKI	post admission?		Yes	☐ No		Unable to	o answer
52 .	When w	as renal impairmen	t first noted?						
		Pre-operatively	D Pos	st operat	ively	Unable	to an	swer	
53 .	If POST	OPERATIVELY, ho	ow long following th	ne proced	dure?				
54.	In your o	opinion, could this b	e attributed to; (an:	swers ma	ay be multip	ıle)			
	Uns	satisfactory pre-ope	rative resuscitation		Poor	surgical tecl	nnique		
	Pod	or intraoperative ma	nagement of fluids	/cardiova	ascular statu	ıs			
	Pod	or post operative ma	anagement		Timel	iness of sur	gery		
	Cor	mplications of surge	ery		Unabl	e to answei	-		
	Oth	ner (please specify)							
55 .	What st	age of AKI was the	patient in when it w	vas first r	ecognised?	1			
	1	(>=26.4µmol/l) or	ININE CRITERIA increase to >= 150 CRITERIA - less that	%-200%	(1.5- to 2-fo	old) from ba	seline		0.3mg/dl
	2	(2- to 3-fold) from	NINE CRITERIA - in baseline CRITERIA - less tha						%-300%
	3	SERUM CREATING baseline (or serum 0.5mg/dl [44µmol/	NINE CRITERIA - 1 creatinine of >= 4	increase I.0mg/dl	in serum (>354µmol/l	creatinine to] with an ac	>300 aute ind	% (3- fo crease of	at least
	Una	able to answer							
56a.	Was the	ere an unacceptable	delay in recognisir	ng AKI?	Yes	☐ No		Unable to	o answer
56b.	If YES, I	how long was the d	elay?	Days:		Hours:			
56c.	Was the	e delay due to;							
	Pod	or recognition of risk	factors		_ong period:	s of time be	tween	blood tes	sts
		or recording of fluid			_ack of seni	or input			
	Oth	ner (please specify)							

K. TE	EAM WORKING			
57.	If the patient was on a surgical care pathway for older people, is there evidence of Medicine for the Care of Older People input?	☐ Yes	☐ No	Unable to answer
58.	Is there evidence of Medicine for the Care of Older People input into ward guidelines for the care of the older surgical patient?	☐ Yes	☐ No	Unable to answer
L. DE	EATH			
59a.	What was the final diagnosis of this patient?			
59b.	In your opinion, was this correct?	Yes	☐ No	Unable to answer
59c.	If NO, please expand on your answer			

END