

General questions



Patient questionnaire into variations in end of life care for patients with a devastating brain injury

1. Patient code				
2. Unit/Ward whe	ere death was	confirmed.		
Adult Intensive Care Specialised Neurosurgical Intensive Care				
☐ Paediatric Intensive Care ☐ Emergency Department				
Medical ward		Stroke Unit		
Other: please	specify			
3. Age				
4. Gender 🔲 N	∕/ale ☐ Fe	male		
5.a Main general	cause of deatl	h		
5.b Main specific	cause of deat	h		
Other: please sp	ecify			
	S02	Fracture of skull and facial bones		
	S061	Traumatic cerebral oedema		
	S062	Diffuse brain injury		
	S063	Focal brain injury		
Trauma	S064	Extradural haemorrhage		
	S067	Intracranial haemorrhage		
		with prolonged coma		
	S068	Other intracranial injuries		
	S069	Intracranial injury unspecified		
	100	0.1		
	l60	Subarachnoid haemorrhage		
	l61	Intracranial haemorrhage		

Other non traumatic intracranial

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Cerebrovascular		haemorrhage
Accidents	l63	Cerebral infarction
	l64	Stroke not specified as stroke or infarction
	l65	Occlusion and stenosis
		of precerebral arteries
	l66	Occlusion and stenosis of cerebral arteries
Cerebral	G931	Anoxic brain damage
Damage	G935	Compression of brain
	G936	Cerebral oedema
Cerebral	C71	Malignant neoplasm of the brain
Neoplasm	D33	Benign neoplasm of the brain
Infections	G00 – G03	Meningitis

- 6. Number of days from admission to brain injury.....
- 7. Number of days from date of brain injury to date of death.....





Q 1. Which statement best describes the care of the patient during his/her final illness? Please tick one box only. Full Active treatment on Critical Care until the diagnosis of brain death. If you tick this option, please proceed straight to question 2. Full Active treatment until unexpected cardiac arrest from which the patient could not be resuscitated. If you tick this option, please proceed straight to question 2. Admitted to Critical Care in order to incorporate organ donation into end-of-life care. If you tick this option. please proceed straight to question 2 | | Full active treatment on Critical Care until the decision of withdrawal or limiting life sustaining therapy was made, with an expected final cardiac arrest without Cardio Pulmonary Resuscitation. If you tick this option, please proceed to guestion 1.1. Not admitted, or admitted to Critical Care but subsequently discharged. If you tick this option, please proceed to guestion 1.1.. Q 1.1. Was it likely that the diagnosis of brain death could have been made, either at the time of the decision to withdraw/limit life sustaining treatment or to not admit/discharge, or within the next 48 hours, had active treatment continued? Yes: please answer questions 1.2 and 1.3 and then proceed to question 2. No: please **answer questions** 1.2 and 1.3 and then proceed to question 2. Q 1.2. What was the Glasgow Coma Scale (GCS) at the time the decision to limit/withdraw treatment or to not admit/discharge was made?..... Q 1.3. Why was full active treatment not continued or the patient not admitted/discharged? Please select one primary reason for not continuing full active treatment, and one secondary reason, if needed.

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Secondary reason

Primary reason

Legal and/or ethical concerns





		Clinical decision that further treatment was not appropriate or not effective
		Not able to undertake brain death testing
		No critical care bed available
		Family reasons
		Other: please specify
_		
Yes: please answ question 3.	er questions	2.1 and 2.2 and then proceed to
☐ No: please procee	ed to <i>questio</i>	າ 3.
☐ Don't Know: pleas	se proceed to	question 3.
•		sferred to another hospital for
☐ Yes ☐ No	Neurosur	gical facilities on site
Q2.2. Did the neuroradiological tr	•	eceive any neurosurgical or
☐ Yes ☐ No	☐ Don't Kno	ow .
ndotracheal or trach	eostomy tub	receiving mechanical ventilation via e at the time of death or at the time e sustaining treatment?
question 4. ☐ No: please answ	•	ns 3.2, to 3.5 and then proceed to as 3.1, to 3.5 and then proceed to
	Yes: please answ question 3. No: please proceed Don't Know: please Q2.1. Was the proceed Proceed Proceed Proceed Proceed Proceed Procedure Proced	No: please proceed to question Don't Know: please proceed to Q2.1. Was the patient trans neurosurgical treatment? Yes No Neurosurgical treatment Q2.2. Did the patient re neuroradiological treatment? Yes No Don't Know Was the patient intubated and indotracheal or tracheostomy tube decision to withdraw or limit life Yes: please answer question question 4. No: please answer question





Q 3.1 What was the reason for the patient not being intubated and receiving mechanical ventilation at that moment. Please tick only one option Not needed Not appropriate Not of overall benefit to the patient due to the severity of the Other: please specify..... Q 3.2. Speciality of primary professional making decisions about intubation and ventilation. Tick one option only. ☐ Intensive Care Emergency Medicine Neurosurgery/Neurology General medicine ☐ General Surgery ☐ Palliative Care ☐ Paramedic Anaesthesia Out of hospital Dr Other: please specify..... Q 3.3 Seniority of primary professional making the decision: Professional in training Trained professional Q 3.4. Was there a second professional involved in the decision about intubation and ventilation? ☐ Yes ☐ No ☐ Don't know If yes: Q 3.4a Speciality of second professional making the decision Q 3.4b Seniority of second professional making the decision: Professional in training Trained professional Q 3.5 What was the patient's GCS score at the time of the

decision about intubation and ventilation.....





Q 4. Was the patien any time during his/		I condition consistent with brain death at nt illness?
☐ Yes: please p	proceed to	question 5.
☐ No: please p	roceed to	question 7.
Q 5. Did the patient (undergo b	rain death testing?
☐ Yes: please question 6.	e answer	questions 5.2 5.4 and then proceed to
☐ No: please ti to 5.4 and then p		propriate boxes below, answer <i>questions 5.1 question 7.</i>
		ne primary reason for the patient not testing, and one secondary reason, if
Primary reason	Seco	ndary reason
		Not identified as potentially brain dead
		Family declined organ donation
		Family reasons not to test
		Cardiac arrest before testing could be performed
		Cardiorespiratory instability
		Reversible causes of coma and / or apnoea could not be satisfactorily excluded
		Unable to examine all brain stem reflexes or undertake ancillary tests
		Absolute or relative medical contraindication to organ donation. Please specify contraindication
		Other: please specify





	Q 5.2 Speciality of primary Dr making decision concerning brain death tests. Tick one option only.
	☐ Intensive Care ☐ Emergency Medicine
	☐ Neurosurgery/Neurology ☐ General Medicine
	☐ General Surgery ☐ Palliative Care ☐ Anaesthesia
	Other please specify
	Q 5.3 Seniority of primary Dr making the decision concerning brain death tests
	☐ Trained professional ☐ Professional in training
	Q 5.4 Was there a second Dr involved in the decision about performing brain death tests?
	☐ Yes ☐ No ☐ Don't know
	If yes:
	Q 5.4a Speciality of second Dr making the decision concerning brain death tests
	Q5.4b Seniority of second Dr making the decision concerning brain death tests
	☐ Trained professional ☐ Professional in training
Q 6.	Was the patient confirmed dead following brain death testing according to the criteria in your country?
	Yes: please answer <i>questions 6.2, to 6.7</i> and then proceed to <i>question 8.</i>
	☐ No: please answer <i>questions 6.1 to 6.7</i> and then proceed to <i>question 7.</i>





Q6.1 What were the reasons for the patient not being confirmed brain dead following testing. Positive brain stem reflex Not apnoeic Ancillary tests failed to confirm brain death Other: please specify..... Q 6.2 Speciality of first Dr performing brain death tests. Tick one option only. Emergency Medicine Intensive Care Neurosurgery/Neurology General Medicine General Surgery Palliative Care Anaesthesia Other please specify..... Q 6.3 Seniority of first Dr performing brain death tests Trained professional Professional in training Q 6.4 Speciality of second Dr performing brain death tests (if applicable) tick one option only. ☐ Intensive Care Emergency Medicine General Surgery Palliative Care Anaesthesia Other: please specify..... Q 6.5 Seniority of second Dr performing brain death tests (if applicable) Trained professional Professional in training Q 6.6 Speciality of third Dr performing brain death tests (if applicable) tick one option only ☐ Intensive Care Emergency Medicine





	☐ Neurosurgery/Neu	urology	General Medicine
	☐ General Surgery	☐ Pa	alliative Care
	Other please spec	cify	
	Q 6.7 Seniority of thapplicable)	nird Dr	performing brain death tests (if
	☐ Trained professio	nal	☐ Professional in training
Q 7.		ıl or li	ibility and the patient's death followed mitation of life sustaining treatment, is vas considered?
	Yes: please proce	ed to c	question 8.
	☐ No: please answer 7.1 and proceed to <i>question 8</i> .		
			e primary reason for DCD not being ndary reason, if needed
	Primary Reason	Seco	ndary Reason
			DCD not lawful in this country.
			DOD HOLIAWIGH III this Country.
			No DCD programme in this country.
			·
			No DCD programme in this country.
			No DCD programme in this country. No DCD programme in this hospital.
			No DCD programme in this country. No DCD programme in this hospital. Not identified as a potential organ donor. Patient had an absolute or relative contraindication for organ donation. Please





			Other: please specify
Q 8.	Was the patient ref	erred t	o a Key Donation Person?
	Yes: please answ 9.	er que	estion 8.2 to 8.4 and proceed to question
	☐ No: please answe	er ques	stion 8.1 to 8.4 and proceed to question 9.
	☐ Don't Know <i>please proceed to question 9</i>		
	Q 8.1 What were the Person.	e reas	ons for not referring to the Key Donation
	Primary reason	Seco	ndary reason
			Not identified as a potential organ donor.
			Coroner/prosecutor/judicial reason/Judge.
			Known patient wish not to be a donor.
			Family declined donation.
			Patient inappropriately thought to be unsuitable for organ donation.
			Patient deemed unsuitable for organ donation because of absolute or relative medical contraindicationsPlease specify contraindication
			Other: please specify
	•	•	ary professional making decision about donation person. Tick one option only
	☐ Intensive Care	☐ En	nergency Medicine
	☐ Neurosurgeon/Ne	eurolog	ist General Medicine
	☐ General Surgeon	□ P	alliative Care
	☐ Nurse ☐ Ot	her ple	ase specify
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	notification/referral	•	donation person
	☐ Trained professio	nal	☐ Professional in training
			nd professional involved in the decision to a key organ donation person
	☐ Yes ☐ No)	☐ Don't know
	If yes:		
	Q 8.4a Speciality on notification/referral		ond professional making decision about donation person
	Q 8.4b Seniority on notification/referral		ond professional making decision about donation person
	☐ Trained professio	nal	☐ Professional in training
Q 9.	9. Were the family approached or informed about the possibility of organ donation?		
	☐ Yes: please proce	eed to	question 9.2.
	☐ No: please answe	er ques	stion 9.1 and proceed to question 10.
	Don't know please tick the appropriate box below and proceed to question 10		
	Q 9.1 What were the reasons for not approaching or informing the family about organ donation.		
	Primary reason	Seco	ndary reason
			Unable to contact the family.
			Family had already declined the option of organ donation.
			Coroner/prosecutor/judicial reason.
			No critical care bed available.





		Agreed medical donation. Please specify n		J	
		Other: please sp	ecify		
	amily were appro donation, what v proach?		•	•	
	tick all boxes the to question 10.	nat apply, answe	er question 9.3	3 and then	
☐ Inter	nsive Care 🔲 Er	nergency Medicin	е		
Neu	rosurgery/Neurolog	gy 🗌 General N	/ledicine		
Gen	☐ General Surgery ☐ Palliative Care ☐ Anaesthesia				
☐ Nurs	se 🗌 Key orga	n donation persor	ı		
☐ Fam	☐ Family initiated the donation conversation				
Othe	Other: please specify				
approaction	Had at least on hed or informed received any fogan donation?	the family about	ıt the possibilit	ty of organ	
Yes	☐ No	Don't know			
	nen were the fami ity of organ dona		r informed abou	ut the	
☐ Family ☐ After i	e referral to the Ke y approached clini- referral to the Key pleas specify.	cal staff about org	an donation.		





	informed about the brain death testing Before brain death After brain death completed and de	e poss h tests tests ha eath ha	sibility of organ donation with regards to ave started, but before they have been s been confirmed. ave been completed and death has been
	informed about the	e poss	CD when were the family approached or ibility of organ donation with regards to flife sustaining treatment
			to withdraw or limit life sustaining treatment. een made to limit or withdraw life sustaining
Q10	. Did organ donation	occur	?
	☐ Yes, DBD ☐ Ye	s, DCE	
	you have completed the questionnaire		
	☐ No: please answer <i>question 10.1</i> :		
	Q 10.1 Please select one primary reason for donation not occurrin and one secondary reason, if needed.		
	Primary reason	Seco	ndary reason
			Patient not intubated/receiving mechanical ventilation
			Clinical condition not consistent with brain death
			BD testing not undertaken despite clinical condition consistent with brain death
			Brain death diagnosis not confirmed after undertaking brain death testing
			DCD not considered





		Family refusal	
		Coroner/prosecutor/judicial reason	
		Patient referred as a potential donor but all organs deemed medically unsuitable by the transplant centres	
		Cardiac arrest before organ recovery could occur.	
		Maastricht Category 3 DCD where the donation process was stopped as the patient did not die following withdrawal or limitation of treatment within a suitable timeframe that would allow organ donation to occur.	
		No suitable recipients for organs.	
		Logistical reasons	
Other: please specify			

*Categories of medical contraindications to organ donation:

- Prior or present history of malignancy
- Prion disease
- HIV infection or disease
- HCV, HBV or HDV positive serology
- HTLV
- Sepsis/untreated/untreatable infectious disease
- Risk behaviour
- Haematological disease other than malignancy
- Autoimmune disease/connective tissue disorders
- Age criteria
- Unknown cause of death
- Unknown identity
- Other: please specify