

When circulatory death doesn't come in time in potential organ donors

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Supplemental Table 1 Baseline characteristics of cDCD donors with a delayed time to death after withdrawal of life-sustaining therapy

Variable	Present cohort ^a	Suntharalingam et al. ^a	Wind et al. ^a	Xu et al. ^a	Brieva et al. ^a	Davila et al. ^a
Total number of patients included	804	191	211	219	159	417
Patients with a delayed circulatory death		83 (43%) ¹		53 (24.2%) ¹	78 (49%) ¹	117 (28%) ¹
	143 (18%) ²	69 (36%) ²	36 (17%) ²	20 (9%) ²		
Time to death median (range)	9.5 h (2h-5 days)	8 h (2h-3.3 days)	2h-3.8 days	2h-1.8 days		
Age (years)						
Median (Min-Max)	57 (26-74)	50 (16-62)	57 (29-75)		55 (17-65)	
Mean(SD)	55.6 (11.4)	48 (10.8)	55.4 (9.9)			51 (13)
Male No.(%)	84 (59%)	45 (65%)	27 (75%)		56 (52%)	76 (64.7%)
GCS						
Median (Min-Max)	4 (3-9)		3 (3-6)		5 (3-15)	
Mean (SD)	5.2 (2.7)		3.6 (0.6)			
Motor response absent or extensor	60 (49%)		25(69%) ³			
Corneal reflex present				4 (20%) ⁴		
Cough reflex present				9 (45%) ⁴		57 (90.8%) ⁵

Cause of death					
Medical ⁶					60 (50.8%)
Surgical ⁶					19 (46.3%)
PAE	49 (34%)	14 (20%)	17 (47%)		12 (10.3 %)
Cerebral ⁷	78 (54%)	42 (61%)	18 (50%)	20 (100%) ⁸	83 (70.9%)
Cerebral bleeding ⁹	44 (29%)	27 (39%)	12 (33%)		
TBI	24 (17 %)	15 (22%)	3 (8%)		
ICH	33 (23%)		8 (22%)		
SAH	11 (6%)		4 (11%)		
CVA	10 (7%)		3 (8%)		
Cardiac					15 (12.8%)
Other	16 (12%) ¹⁰	13 (19%) ¹¹	1 (3%) ¹²		7 (6.3%) ¹³

cDCD controlled donation after cardiac death, *CVA* cerebrovascular accident, *GCS* Glasgow Coma Scale, *ICH* intracranial hemorrhage, *Max* maximum, *Min* minimum, *PAE* post anoxic encephalopathy, *SAH* subarachnoid hemorrhage, *SD* standard deviation, *TBI* traumatic brain injury.

^a Includes cDCD donors

^b includes neurocritical patients

¹ Includes patients with a circulatory death after 60 minutes

² Includes patients with a circulatory death after 120 minutes

³ Refers to patients with absent motor response

⁴ Estimated from the DCD-N score (absent cough reflex equals two points and absent corneal reflex/motor response absent or extensor/oxygenation index >3 each one point) published by the authors

⁵ The presence of a gag or cough reflex was added later and includes therefore a part of the population (2008-2009). Within accepted offers, 63 patients do not arrest within 60 minutes in a total of 178 patients

⁶ The diagnosis on admission is not further specified

⁷ Includes patients with a neurological condition or disorder

⁸ Included only patients with traumatic brain injury and spontaneous cerebral hemorrhage

⁹ Includes: intracranial hemorrhage (ICH) and subarachnoid hemorrhage (SAH)

¹⁰ Includes: drug intoxication and pulmonary disorders

¹¹ Includes: cerebral infarction, cerebral edema, intracranial tumor or abscess, hydrocephalus, neurosurgical complication and liver failure

¹² Includes a patient after resection of pituitary adenoma

¹³ Includes polytrauma, sepsis and other