

Supplementary Material

Mortality After Ischemic Stroke in Patients with Alzheimer’s Disease Dementia and Other Dementia Disorders

Supplementary Table 1. Characteristics, functional outcome and mortality of patients prior and after ischemic stroke with and without dementia in years 2010–2012 and 2013-2015

	2010–2012			2013–2015		
	Strokes Events in Dementia (n=3,670)	Stroke Events in Non-Dementia (n=1,6911)	p	Strokes Events in Dementia (n=4,155)	Stroke Events in Non-Dementia (n=17,460)	p
Age, median (IQR)	84 (9)	84 (9)	0.855	84 (9)	84 (9)	<0.001
Female sex	2,087 (56.9)	9,596 (56.7)	0.892	2,337 (56.2)	9,671 (55.4)	0.318
Nursing home	1,502 (40.9)	1623 (9.6)	<0.001	1,760 (42.4)	1,610 (9.2)	<0.001
Independence in daily activities	1,511 (43.3)	1,3674 (82.4)	<0.001	1,604 (41.3)	13,976 (82.4)	<0.001
mRS before stroke						
0-3	1,793 (52.0)	14,430 (87.3)	<0.001	1,947 (50.0)	14,729 (86.8)	<0.001
4	1,087 (31.5)	1,510 (9.1)	<0.001	1,264 (32.5)	1,713 (10.1)	<0.001
5	568 (16.5)	595 (3.6)	<0.001	683 (17.5)	526 (3.1)	<0.001
CCI at stroke	2 (3)	1 (3)	<0.001	3 (3)	1 (3)	<0.001
AF (old or new)	1,445 (39.7)	6,492 (38.6)	0.259	1,676 (40.5)	6,596 (37.9)	0.002
Previous stroke or TIA	1,532 (42.1)	5,246 (31.2)	<0.001	1,656 (40.1)	4,959 (28.5)	<0.001
Previous stroke	1,372 (37.4)	4,464 (26.4)	<0.001	1,494 (36.0)	4,055 (23.2)	<0.001
Previous TIA	436 (12.3)	1,567 (9.5)	<0.001	452 (11.1)	1,676 (9.7)	0.010
Diabetes (old or new)	841 (23.0)	3,392 (20.2)	<0.001	990 (23.9)	3,612 (20.8)	<0.001
Smoking	175 (5.3)	1,168 (7.5)	<0.001	197 (5.4)	1,246 (7.9)	<0.001
Antihypertensives	2,543 (69.9)	12,607 (75.2)	<0.001	2,972 (72.0)	12,898 (74.4)	0.002
Statins	849 (23.4)	4,610 (27.5)	<0.001	1,053 (25.6)	4,987 (28.8)	<0.001
Antiplatelets	2,187 (60.0)	8,556 (51.0)	<0.001	2,124 (51.5)	7,540 (43.4)	<0.001
In AF	983 (68.5)	3,501 (54.4)	<0.001	869 (52.1)	2,694 (41.0)	<0.001
In nonAF	1,186 (54.3)	5,000 (48.8)	<0.001	1,245 (50.9)	4,832 (44.9)	<0.001
Anticoagulants in AF	138 (9.6)	1,344 (20.9)	<0.001	325 (19.5)	1,914 (29.1)	<0.001

Consciousness at arrival						
fully awake	2,586 (71.6)	13,674 (81.7)		2,973 (73.0)	14,427 (83.8)	
lethargic	765 (21.2)	2,316 (13.8)	<0.001	858 (21.2)	2,097 (12.2)	<0.001
unconscious	261 (7.2)	750 (4.5)		241 (5.9)	699 (4.1)	
Stroke alarm						
IVT	559 (15.6)	2,912 (17.6)	0.004	1,138 (27.7)	4,816 (27.9)	0.772
IVT or EVT	135 (3.7)	1,036 (6.1)	<0.001	315 (7.6)	1,925 (11.1)	<0.001
	137 (3.7)	1,092 (6.5)	<0.001	320 (7.7)	2,007 (11.5)	<0.001
New nursing home placement						
Dead after 1 month	487 (15.2)	1,594 (10.4)	<0.001	513 (14.5)	1,558 (9.8)	<0.001
mRS at 3 months	877 (23.9)	2,857 (16.9)	<0.001	1,047 (25.2)	2,821 (16.2)	<0.001
0-3	644 (20.0)	7,728 (50.8)	<0.001	699 (19.9)	8,214 (52.8)	<0.001
4	628 (17.1)	1,812 (10.7)	<0.001	630 (15.2)	1,874 (10.7)	<0.001
5	662 (18.0)	1,478 (8.7)	<0.001	713 (17.2)	1,419 (8.1)	<0.001
(dead) 6	1,280 (39.8)	4,185 (27.5)	<0.001	1,479 (42.0)	4,040 (26.0)	<0.001
Worse mRS	1,084 (69.1)	8,461 (57.0)	<0.001	2,320 (70.4)	7,713 (51.1)	<0.001
Dead after 1 year	1,764 (48.1)	5,801 (34.3)	<0.001	1,996 (48.0)	5,582 (32.0)	<0.001
Dead after 3 years	2,579 (70.3)	8,599 (50.8)	<0.001	2,930 (70.5)	8,313 (47.0)	<0.001

Data are presented as number of cases (n) and percentage proportion (%), if not stated otherwise. In variables where n (%) are reported, p-values were obtained by chi-square, whereas in variables where median (IQR) are reported, p-values were obtained by Mann-Whitney test.

AF, atrial fibrillation; CCI, Charlson comorbidity index; IQR, interquartile range; IVT, intravenous thrombolysis; EVT, endovascular thrombectomy; mRS, modified Rankin scale; TIA, transient ischemic attack