

Supplementary Materials

Nursing Home Admission and Home Care After Acute Aortic Dissection: A Nationwide Registry-Based Cohort Study

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Supplemental Table I. ICD-10 codes, ATC codes and operations codes used to define comorbidities and in-hospital complications.

Heart failure	ICD-10: I11, I13
Ischemic heart disease	ICD-10: I20, I21, I23, I24, I25
Chronic kidney disease	ICD-10: N02, N03, N04, N05, N06, N07, N08, N11, N12, N14, N18, N19, N26, Q61, I12, I13, N15.8, N15.9, N16.0, N16.2, N16.3, N16.4, N16.8, E10.2, E11.2, E14.2, Z99.2
Stroke	ICD-10: I61, I63, I64, I69.3, I69.4
Aortic dilatation	ICD-10: I71.2, I71.4, I71.6, I71.9
Diabetes mellitus	ICD-10: E10, E11, E12, E13, E14 ATC*: A10
Chronic obstructive pulmonary disease	ICD-10: J42, J43, J44 ATC: R03BB, R03AL
Hypertension	ICD-10: I10, I11, I12, I13, I15 ATC: C02A, C02B, C02C, C02DA, C02DB, C02DD, C02DG, C02L, C03A, C03B, C03D, C03E, C03X, C07A, C07B, C07C, C07D, C07F, C08, C08G, C09AA, C09BA, C09BB, C09CA, C09DA, C09DB, C09XA02, C09XA52
Acute renal failure	ICD-10: N17
Dialysis	Operation: BJFD
Paraplegia	ICD-10: G82

Supplemental Table II. Characteristics of the patients with acute aortic dissection and their matched controls stratified by sex

Variable	Female cases (n = 321)	Male cases (n = 772)	Female controls (n = 1,605)	Male controls (n = 3,860)	P-value
Age in years, median [IQR]	66 [58, 75]	63 [53, 70]	66 [58, 75]	63 [53, 70]	<0.001
Aortic dissection type A	210 (65.4)	502 (65.0)	-	-	
Conservative treatment	28 (13.3) ^a	70 (13.9) ^a	-	-	
Treated with surgery	182 (86.7) ^a	432 (86.1) ^a	-	-	
Aortic dissection type B	111 (34.6)	270 (35.0)	-	-	
Conservative treatment	86 (77.5) ^b	200 (74.1) ^b	-	-	
Treated with TEVAR	15 (13.5) ^b	42 (15.6) ^b	-	-	
Treated with surgery	10 (9.0) ^b	28 (10.3) ^b	-	-	
Pre-existing comorbidity: n (%)					
Hypertension	165 (51.4)	306 (39.6)	529 (33.0)	1,124 (29.1)	<0.001
Diabetes	4 (1.2)	NA	19 (1.2)	63 (1.6)	0.046
COPD	16 (5.0)	23 (3.0)	44 (2.7)	101 (2.6)	0.11
Ischemic heart disease	18 (5.6)	24 (3.1)	47 (2.9)	139 (3.6)	0.10
Heart failure	4 (1.2)	11 (1.4)	13 (0.8)	46 (1.2)	0.53
Stroke	10 (3.1)	12 (1.6)	13 (0.8)	55 (1.4)	0.011
Chronic kidney disease	NA	7 (0.9)	13 (0.8)	23 (0.6)	0.71
Aortic dilatation	27 (8.4)	53 (6.9)	NA	17 (0.4)	<0.001

P-values are derived using Kruskal-Wallis test for patient age and Pearson's Chi Square for categorical variables. P <0.05 was considered significant.

COPD: Chronic obstructive pulmonary disease, NA: Not available (Number <3), TEVAR: Thoracic endovascular aortic repair

^a Percentage of patients with aortic dissection type A

^b Percentage of patients with aortic dissection type B