

Supplement) Patients characteristics and renal dysfunction by stratified analysis according to age category

Age category (years)	60≥				61 -70				71≤			
Group	Low(127)	Mid(126)	High(28)	p-value	Low(108)	Mid(244)	High(81)	p-value	Low(43)	Mid(149)	High(127)	p-value
Age (years)	52.3 ± 7.2	54.1 ± 5.8	54.5 ± 6.5	0.06	65.7 ± 2.6	66.3 ± 2.8	66.0 ± 2.8	0.18	74.1 ± 2.1	74.4 ± 3.1	75.1 ± 3.2	0.1
Females (n, %)	20 (15.7)	23 (18.3)	7 (25)	0.41	37 (34.3)	66 (27.1)	19 (23.5)	0.23	16 (37.2)	47 (31.5)	44 (34.6)	0.59
HTN (n, %)	70 (55.1)	82 (65.1)	19 (67.9)	0.12	82 (75.9)	195 (79)	72 (88.9)	0.05	28 (65.1)	109 (73.2)	107 (84.3)	0.04
DM (n, %)	36 (28.3)	38 (30.2)	20 (71.4)	0.01	48 (44.4)	112 (45.9)	49 (60.1)	0.04	16 (37.2)	56 (37.6)	61 (48.0)	0.2
Dyslipidemia (n, %)	57 (44.9)	60 (47.6)	7 (25)	0.1	47 (45.5)	100 (41)	34 (41.9)	0.89	13 (30.2)	60 (40.2)	45 (35.4)	0.62
CVA (n, %)	5 (3.9)	11 (8.7)	4 (14.3)	0.09	6 (5.6)	20 (8.20)	17 (21)	0.01	5 (11.6)	18 (12.1)	19 (14.9)	0.76
COPD (n, %)	0	2	1	0.18	3	2	3	0.17	0	8	8	0.28
PAOD (n, %)	2 (1.6)	1 (0.8)	5 (17.9)	0.01	8 (7.4)	15 (6.1)	12 (14.8)	0.04	5 (11.6)	13 (8.7)	21 (16.5)	0.14
EuroSCORE	1.8 ± 1.6	2.2 ± 2.1	4.5 ± 2.7	0.01	4.1 ± 2.2	3.8 ± 2.1	4.4 ± 2.2	0.07	5.3 ± 1.6	5.4 ± 1.9	6.8 ± 4.5	0.01
NYHA (3≤,n, %)	21	27	10	0.06	20	41	22	0.1	6	32	41	0.03
LV ejection fraction (%)	58.4±12.7	55.9±13.2	43.4±16.5	0.01	58.5±13.7	57.7±15.1	54.7±13.6	0.18	58.9±12.6	57.8±15.1	51.7±16.2	0.01
LVESD (mm)	36.9 ± 3.1	37.6 ± 8.8	42.1±11.1	0.02	35.9 ± 9.1	36.7 ± 8.9	37.8 ± 7.8	0.37	34.1 ± 7.8	36.9 ± 9.4	38.6±10.2	0.05
LVEDD (mm)	50.4 ± 6.9	51.2 ± 7.3	52.4 ± 8.0	0.36	48.9 ± 8.9	49.4 ± 8.8	50.1 ± 9.4	0.68	48.1 ± 5.7	49.4 ± 8.6	49.9 ± 8.8	0.52
Distal anastomosis (n)	3.2 ± 0.9	3.3 ± 0.9	3.3 ± 0.5	0.8	3.2± 0.8	3.2 ± 0.8	3.0 ± 0.7	0.06	3.1 ± 0.7	3.1 ± 0.8	3.1 ± 0.7	0.88
LIMA usage (n, %)	125(98.4)	106(84.1)	15(53.6)	0.8	106(98.1)	244(100)	70 (86.4)	0.6	15(34.9)	81(54.4)	88(69.3)	0.7
C.R (n, %)	114(89.8)	97(77.0)	17(60.7)	0.7	108 (100)	221(90.1)	81(100)	0.7	23 (53.5)	73(48.9)	84(66.1)	0.8
Free form Renal dysfunction of 5 years (%)	3 (97.6)	9 (92.8)	5 (82.1)	0.01	11(89.8)	20 (91.8)	30 (63.7)	0.01	1 (97.7)	15 (89.9)	37 (70.8)	0.01

HTN: hypertension, DM: diabetes mellitus, PAOD: peripheral artery occlusive disease CVA: cerebrovascular accident, COPD: chronic obstructive pulmonary disease, NYHA: New York Heart Association, EuroSCORE: European System for Cardiac Operative Risk Evaluation, CHF: congestive heart failure, LVEDD: left ventricular end-diastolic dimension, LVESD: left ventricular end-systolic dimension, LIMA: left internal mammary artery, C.R: complete revascularization. \*  $P < 0.05$