

Supplementary material

Dziewierz A, Rzeszutko Ł, Dudek D, et al. Impact of chronic kidney disease on fractional flow reserve accuracy in severe aortic stenosis patients. Pol Arch Intern Med. 2024; 134: 16649. doi:10.20452/pamw.16649

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Table S1. Baseline characteristics of patients with and without chronic kidney disease.

Variable	Chronic kidney disease		P-value
	Absent (n=73)	Present (n=136)	
Age, years, median (IQR)	81.0 (70.0, 89.0)	83.0 (76.0, 87.5)	0.43
Age ≥80 years, n (%)	38 (52.1)	81 (59.6)	0.31
Female, n (%)	38 (52.1)	86 (63.2)	0.14
Body mass index, kg/m ² , mean (SD)	27.4 (4.4)	27.0 (4.5)	0.55
Arterial hypertension, n (%)	66 (90.4)	119 (87.5)	0.65
Diabetes mellitus, n (%)	22 (30.1)	40 (29.4)	0.91
Hyperlipidemia, n (%)	73 (100.0)	136 (100.0)	-
Smoking, n (%)	22 (30.1)	45 (33.1)	0.66
Previous MI, n (%)	26 (35.6)	44 (32.4)	0.63
Previous PCI, n (%)	24 (32.9)	42 (30.9)	0.77
eGFR, mL/min/1.73 m ² , median (IQR)	72.0 (65.0, 81.0)	44.0 (37.0, 50.0)	<0.001
Atrial fibrillation, n (%)	22 (30.1)	40 (29.4)	0.91
Previous stroke, n (%)	8 (11.0)	20 (14.8)	0.44
Peripheral artery disease, n (%)	15 (20.5)	25 (18.4)	0.70
Chronic obstructive pulmonary disease, n (%)	11 (15.1)	14 (10.3)	0.31
Canadian Cardiovascular Society class, n (%)			
I+II	39 (53.4)	55 (40.4)	0.09

III	30 (41.1)	77 (56.6)	
IV	4 (5.5)	4 (2.9)	
New York Heart Association class, n (%)			
II	16 (21.9)	25 (18.4)	0.18
III	54 (74.0)	95 (69.9)	
IV	3 (4.1)	16 (11.8)	
Aortic valve parameters:			
TG max, mmHg, median (IQR)	89.0 (75.0, 104.0)	95.0 (85.0, 103.0)	0.25
TG mean, mmHg, median (IQR)	50.0 (43.0, 58.0)	49.0 (43.0, 55.0)	0.56
Aortic valve area, cm ² , median (IQR)	0.6 (0.5, 0.8)	0.5 (0.5, 0.7)	0.28
LVEF, %, median (IQR)	50.0 (35.0, 60.0)	46.0 (30.0, 60.0)	0.14

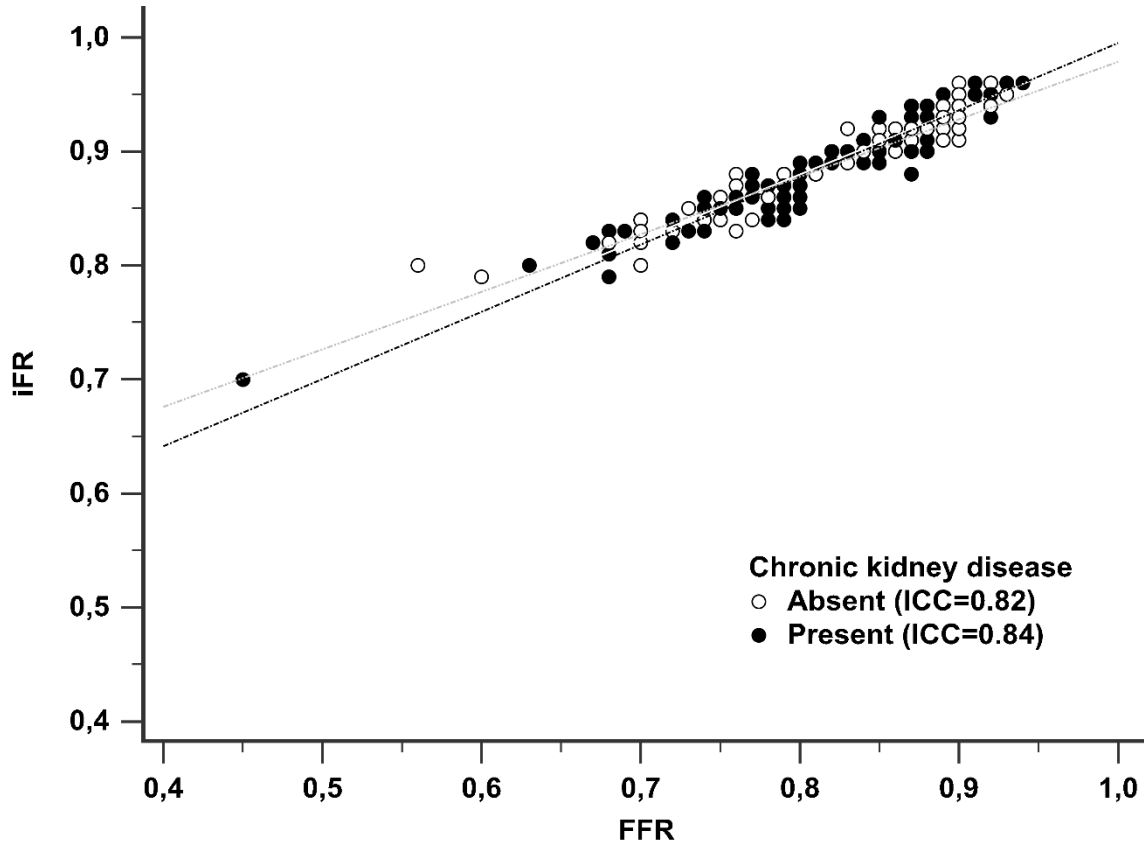
Abbreviations: eGFR, estimated glomerular filtration rate; IQR, interquartile range; LVEF, left ventricle ejection fraction; MI, myocardial infarction; PCI, percutaneous coronary intervention; SD, standard deviation; TG, transaortic gradient

Table S2. Lesion characteristics in patients with and without chronic kidney disease.

Variable	Chronic kidney disease		P-value
	Absent (n=146)	Present (n=245)	
Vessels distribution, n (%)			
LAD	74 (50.7)	137 (55.9)	0.83
Dg	6 (4.1)	10 (4.1)	
Cx	22 (15.1)	37 (15.1)	
Mg	10 (6.8)	12 (4.9)	
RCA	34 (23.3)	49 (20.0)	
Quantitative coronary angiography results			
Lesion length, mm, mean (SD)	19.5 (10.9)	17.7 (9.9)	0.22
RVD, mm, mean (SD)	3.5 (0.6)	3.4 (0.6)	0.22
MLD, mm, mean (SD)	1.5 (0.5)	1.5 (0.5)	0.96
DS, %, mean (SD)	60.5 (13.2)	59.2 (13.8)	0.49
Eccentric lesion, n (%)	71 (52.6)	106 (44.0)	0.11
Moderate / severe tortuosity, n (%)	46 (34.1)	86 (35.7)	0.75
Irregular contours, n (%)	12 (8.9)	24 (10.0)	0.74
Moderate / severe calcifications, n (%)	72 (53.3)	129 (54.4)	0.84
Ostial lesion, n (%)	12 (9.3)	12 (5.2)	0.13

Abbreviations: Cx - circumflex artery; Dg - diagonal branch; DS - diameter stenosis; LAD - left anterior descending artery; LMCA - left main coronary artery; Mg - marginal branch; MLD - minimal lumen diameter; SD, standard deviation; RCA - right coronary artery; RVD - reference vessel diameter

Figure S1. Association between fractional flow reserve (FFR) and instantaneous wave-free ratio (iFR) in patients with and without chronic kidney disease.



Abbreviations: ICC - intraclass correlation coefficient