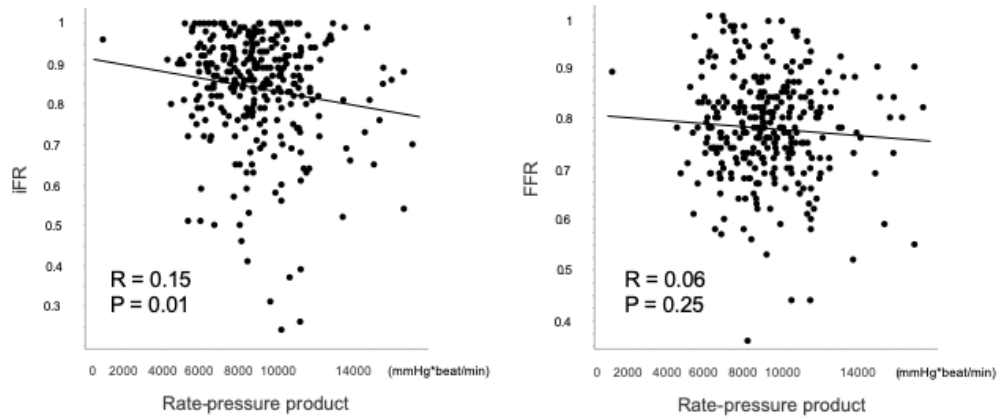
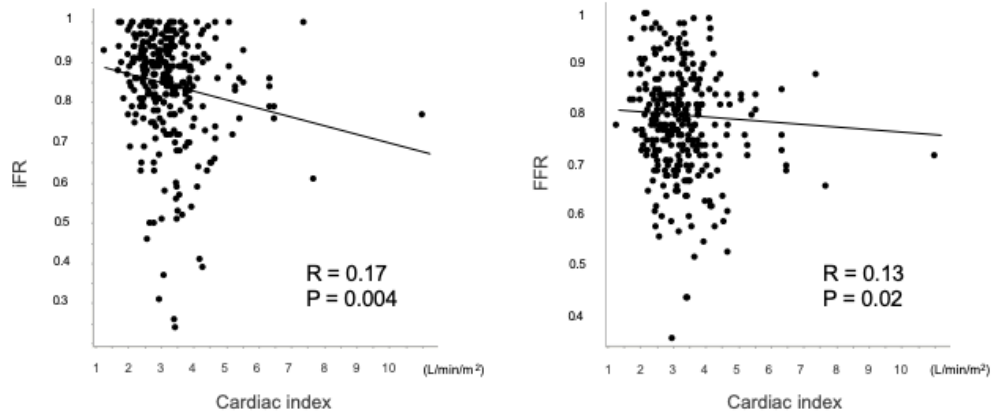


Figure I (Data Supplement)



iFR: instantaneous wave-free ratio; FFR: fractional flow reserve

Figure II (Data Supplement)



iFR: instantaneous wave-free ratio; FFR: fractional flow reserve

Table I. Hemodynamic factors according to iFR and FFR

	iFR \leq 0.89 (n=181)	iFR >0.89 (n=123)	p-value
Systolic blood pressure, mmHg	125 \pm 23	126 \pm 25	0.71
Heart rate, beat/min	72 \pm 12	71 \pm 13	<0.01
Rate-pressure product, mmHg*beat/min	8967 \pm 2337	9007 \pm 2489	<0.01
Central vein pressure, mmHg	13.3 \pm 5.6	12.2 \pm 4.8	0.08
Pulmonary artery wedge pressure, mmHg	6.7 \pm 3.0	6.6 \pm 3.1	0.65
Cardiac index, L/min/m ²	3.4 \pm 1.1	3.0 \pm 0.8	<0.01
	FFR \leq 0.8 (n=177)	FFR >0.8 (n=127)	p-value
Systolic blood pressure, mmHg	127 \pm 23	123 \pm 25	0.26
Heart rate, beat/min	74 \pm 12	69 \pm 12	0.83
Rate-pressure product, mmHg*beat/min	8967 \pm 2337	9007 \pm 2489	0.89
Central vein pressure, mmHg	6.7 \pm 3.1	6.7 \pm 3.0	0.99
Pulmonary artery wedge pressure, mmHg	13.0 \pm 5.7	12.7 \pm 4.8	0.63
Cardiac index, L/min/m ²	3.3 \pm 1.1	3.2 \pm 0.9	0.22

iFR, instantaneous wave-free ratio; FFR, fractional flow reserve.

Data are expressed as mean \pm SD

Table II. Univariate and multivariate analysis to evaluate predictors of discordance between iFR and FFR

(limited to lesions of 40-80 % stenosis)

A)

	Discordance of iFR ≤ 0.89 and FFR > 0.8					
	Univariate analysis			Multivariate analysis		
	Odds ratio	95% CI	p-value	Odds ratio	95% CI	p-value
Age	1.04*	0.99-1.08	0.07	1.03*	0.98-1.07	0.24
Female sex	4.0	1.76-9.23	0.001	3.15	1.30-7.65	0.01
Diabetes mellitus	1.51	0.65-3.50	0.33			
Hypertension	1.10	0.42-2.86	0.86			
Hypercholesterolemia	1.71	0.66-4.43	0.27			
Hemodialysis	0.68	0.26-1.77	0.42			
Smoking	0.58	0.25-1.36	0.21			
Rate-pressure product	1.19‡	1.01-1.40	0.037	1.17‡	0.98-1.39	0.07
Cardiac index	1.03*	0.71-1.48	0.87			
Lesion located in LAD	0.69	0.31-1.53	0.37			
Diameter stenosis	1.10†	0.80-1.51	0.57			
Reference diameter	0.92*	0.43-1.96	0.83			
Lesion length	0.63†	0.33-1.19	0.13			

B)

	Discordance of iFR > 0.89 and FFR ≤ 0.8					
	Univariate analysis			Multivariate analysis		
	Odds ratio	95% CI	p-value	Odds ratio	95% CI	p-value
Age	0.99*	0.96-1.03	0.77			
Female sex	0.74	0.27-2.05	0.56			
Diabetes mellitus	0.69	0.32-1.52	0.36			
Hypertension	0.74	0.31-1.79	0.51			
Hypercholesterolemia	1.44	0.58-3.55	0.42			
Hemodialysis	0.08	0.01-0.58	0.01	0.09	0.01-0.68	0.02
Smoking	1.27	0.58-2.77	0.55			
Rate-pressure product	0.77‡	0.63-0.95	0.01	0.79‡	0.63-0.99	0.04
Cardiac index	0.59*	0.35-1.00	0.03	0.86*	0.49-1.51	0.59
Lesion located in LAD	1.47	0.64-3.40	0.36			
Diameter stenosis	1.05†	0.77-1.45	0.75			
Reference diameter	0.97*	0.46-2.04	0.94			
Lesion length	1.16†	0.68-1.99	0.58			

iFR, instantaneous wave-free ratio; FFR, fractional flow reserve; CI, confidence

intervals; LAD, left anterior descending artery.

*Per increase 1

†Per increase 10

‡Per increase 1000