

Rev Esp Cardiol. Influence of neoatherosclerosis on prognosis and treatment response in patients with in-stent restenosis

SUPPLEMENTARY DATA

Tabla 1 of the supplementary data

Baseline clinical, angiographic and procedural characteristics in patients in the RIBS IV and V trials included or not in the OCT substudy

| | No OCT n = 434 (87%) | OCT n = 64 (13%) | P |
|---------------------------------------|-------------------------------|-------------------------------|------------|
| Age, y | 66 ± 10 | 65 ± 12 | .56 |
| Female sex | 66 (15) | 11 (17) | .68 |
| Risk factors | | | |
| <i>Diabetes mellitus</i> | 168 (39) | 22 (34) | .51 |
| Insulin-dependent | 64 (15) | 6 (9) | .25 |
| <i>Hyperlipidemia</i> | 321 (74) | 41 (64) | .10 |
| <i>Hypertension</i> | 323 (74) | 44 (69) | .34 |
| <i>Eversmoker</i> | 259 (60) | 43 (67) | .25 |
| Clinical features | | | .95 |
| <i>Unstable angina</i> | 213 (49) | 26 (41) | .21 |
| <i>Previous myocardial infarction</i> | 222 (51) | 41 (64) | .05 |
| <i>Previous bypass surgery</i> | 41 (9) | 3 (5) | .21 |
| <i>Time to restenosis, d</i> | 517 [226-1703] 1169 ± 1362 | 237 [233-2006] 1143 ± 1327 | .55 .28 |
| <i>Ejection fraction, %</i> | 58 ± 11 | 62 ± 13 | .01 |
| Target artery | | | .38 |
| <i>Left anterior descending</i> | 192 (44) | 28 (44) | |
| <i>Left circumflex</i> | 88 (20) | 16 (25) | |
| <i>Right coronary</i> | 137 (32) | 20 (31) | |
| <i>Graft</i> | 17 (4) | 0 (0) | |

| | | | |
|-----------------------------------|-------------|--------------|------|
| Previous ST type | | | .45 |
| <i>BMS</i> | 162 (37) | 27 (42) | |
| <i>DES</i> | 272 (63) | 37 (58) | |
| <i>Length previous stent, mm</i> | 20 ± 7 | 20 ± 7 | .76 |
| Procedural characteristics | | | |
| <i>Treatment strategy</i> | | | .59 |
| PCB | 219 (51) | 30 (47) | |
| EES | 215 (50) | 34 (53) | |
| <i>Length new EES/PCB, mm</i> | 20 ± 8 | 21 ± 7 | .21 |
| <i>Maximal pressure, atm</i> | 19 ± 4 | 20 ± 4 | .003 |
| <i>Inflation time, sec (+)</i> | 83 ± 51 | 103 ± 55 | .06 |
| | 80 [40-105] | 100 [60-120] | .02 |
| <i>Maximal balloon</i> | 3.13 ± 0.5 | 2.99 ± 0.4 | .01 |
| <i>Balloon-to-artery ratio</i> | 1.21 ± 0.2 | 1.21 ± 0.2 | .99 |
| <i>Crossover</i> | 14 (3) | 0 (0) | .23 |
| <i>Angiographic success</i> | 434 (100) | 64 (100) | 1 |

BMS, bare metal stent; DES, drug-eluting stent; EES, everolimus eluting stent; OCT, optical coherence tomography; PCB, paclitaxel coated balloon.

The data are expressed as No. (%), mean ± standard deviation, or median [interquartile range].

Table 2 of the supplementary data

Angiographic results in patients in the RIBS IV and V trials included or not in the OCT substudy

| | No OCT n = 434 (87%) | OCT n = 64 (13%) | <i>P</i> |
|--------------------------------|--------------------------------------|-----------------------------------------|------------|
| <i>Mehran I,II,III-IV</i> | 232 (54), 162 (37), 40 (9) | 36 (56), 22 (34), 6 (9) | .90 |
| <i>B2-C lesion</i> | 203 (47) | 34 (53) | .34 |
| <i>Edge-ISR</i> | 74 (17) | 14 (22) | .35 |
| <i>Quantitative findings</i> | (n = 434) | (n = 64) | |
| <i>Before the procedure</i> | | | |
| Reference vessel diameter, mm | 2.65 ± 0.5 | 2.54 ± 0.5 | .11 |
| Minimum lumen diameter, mm | 0.86 ± 0.4 | 0.77 ± 0.3 | .05 |
| Stenosis (% of lumen diameter) | 67 ± 16 | 69 ± 13 | .31 |
| Lesion length, mm | 11.6 ± 6 | 12.9 ± 7 | .14 |
| Diffuse lesions, ≥ 10 mm | 209 (49) | 37 (60) | .11 |
| <i>After the procedure</i> | | | |
| Reference vessel diameter, mm | 2.62 ± 0.5 | 2.51 ± 0.5 | .11 |
| Minimum lumen diameter, mm | 2.22 ± 0.5 | 2.06 ± 0.5 | .016 |
| Stenosis (% of lumen diameter) | 15 ± 11 | 17 ± 12 | .16 |
| Acute gain, mm | 1.36 ± 0.5 | 1.31 ± 0.5 | .47 |
| <i>At follow-up</i> | (n = 380) | (n = 62) | |
| Reference vessel diameter, mm | 2.68 ± 0.6 | 2.57 ± 0.5 | .13 |
| Minimal lumen diameter, mm | 2.04 ± 0.7 | 1.89 ± 0.7 | .10 |
| Stenosis (% of lumen diameter) | 23 ± 21 | 26 ± 24 | .37 |
| Restenosis | 43 (11) | 11 (18) | .15 |
| Late loss, mm (mean/median) | 0.18 ± 0.7 / 0.06 (-0.19 to 0.41) | 0.22 ± 0.6 / 0.07(-0.12 to 0.39) | .69 .86 |
| Loss index (mean/median) | 0.08 ± 0.6 / 0.04 (-0.15 to 0.29) | 0.17 ± 0.5 / 0.07 (-0.12 to 0.39) | .23 .66 |

| | | | |
|--------------|------------|------------|-----|
| Net gain, mm | 1.18 ± 0.7 | 1.09 ± 0.7 | .39 |
|--------------|------------|------------|-----|

ISR, in stent restenosis; OCT, optical coherence tomography.

The data are expressed as No. (%), mean ± standard deviation or median [interquartile range].