

Table 1: Differences in CPET parameters in patients with 1- and 2-vessel CAD compared to patients with 3-vessel CAD

| | RE | | | TM | | |
|---|---------------------|-------------------|------|------------------|---------------------|-------|
| | 1-2-SCA (n=30) | 3-SCA (n=10) | p | 1-2-SCA (n=30) | 3-SCA (n=10) | p |
| Duration (min) | 10.95 ± 1.96 | 10.00 ± 2.86 | ns | 7.58 ± 2.51 | 4.60 ± 1.96 | 0.003 |
| HR peak (bpm) | 118 ± 19 | 112 ± 17 | ns | 127 ± 20 | 123 ± 15 | ns |
| Peak VO₂ (ml•min⁻¹) | 1416.00 ± 393.79 | 1.226.30 ± 369.13 | ns | 1753.30 ± 548.12 | 1405.60 ± 468.54 | 0.08 |
| Peak VO₂ (ml•min⁻¹•kg⁻¹) | 18.25 ± 4.18 | 15.26 ± 2.96 | 0.07 | 22.43 ± 7.04 | 17.00 ± 4.18 | 0.03 |
| ΔVO₂/kg peak/rest (ml•min⁻¹•kg⁻¹) | 13.45 ± 4.13 | 11.71 ± 2.66 | ns | 17.71 ± 5.06 | 12.92 ± 3.61 | 0.016 |
| P_{ET}CO₂ VAT (mmHg) | 33.90 ± 4.06 | 33.34 ± 3.92 | ns | 33.20 ± 4.99 | 29.57 ± 2.71 | 0.046 |
| VE/VCO₂ slope | 29.50 ± 6.03 | 31.77 ± 4.74 | ns | 30.73 ± 5.27 | 37.31 ± 4.65 | 0.002 |
| O₂ pulse peak (ml/beat) | 12.04 ± 3.09 | 11.32 ± 3.53 | ns | 13.88 ± 3.94 | 11.41 ± 4.51 | ns |
| O₂ pulse flattening (%) | 64.3 | 50.0 | ns | | | |

| | | | | | | |
|--|-------------------|----------------|----|---|---|---|
| O₂ pulse flattening time (s) | 123.75 ± 98.04 | 101.25 ± 92.03 | ns | - | - | - |
| ΔVO₂/ΔWR ((ml/min)/watt) | 7.99 ± 2.20 | 7.94 ± 2.59 | ns | - | - | - |

SCA - stenotic coronary arteries, O₂ pulse = Oxygen pulse; P_{ET}CO₂ VAT – End-tidal partial pressure of carbon-dioxide at ventilatory anaerobic threshold; RE = recumbent ergometer, TM = treadmill, VE = Ventilation; VO₂ = Oxygen consumption; VCO₂ = Carbon dioxide output; ΔVO₂/ΔWR = Work efficiency, WR = work rate. Values are expressed as mean ± SD.