|  |  |  |  |
| --- | --- | --- | --- |
| **Variable** | **ERAH (n=25)** | **ORAH (n=25)** | **P value** |
| Gender (Male/Female) | 22/3 | 20/5 | .56 |
| Age (years) (mean±SD) | 55.7±9.1 | 56.8±9.9 | .54 |
| Hypertension (n) | 19 | 20 | .12 |
| COPD (n) | 4 | 2 | .27 |
| Diabetes Mellitus | 18 | 12 | 0.08 |
| Smoking (n) | 18 | 16 | .13 |
| Hyperlipidemia (n) | 15 | 18 | .42 |
| PVD (n) | 1 | 0 | .7 |
| Preoperative LVEF (%) (mean±SD) | 45.5±7.5 | 48.4±10.2 | .18 |

**Table 1**. Demographics, comorbid conditions and preoperative left ventricular ejection fraction (LVEF). ERAH: endoscopic radial artery harvest. ORAH: open radial artery harvest. COPD: chronic obstructive airways disease. PVD: peripheral vascular disease. (n: number of patients). SD: standard deviation.

|  |  |  |  |
| --- | --- | --- | --- |
| **Variable** | **ERAH** | **ORAH** | **p value** |
| Length of incision (mean±SD) | 2.4±0.4cm | 24.8±4.4cm | .001 |
| Length of graft (mean±SD) | 16.8± 3.2cm | 17.2± 2.9cm | .23 |
| Need to repair (n) | 0 | 1 |  |
| Harvest time (mean±SD) | 31±11 min | 28±12min | .32 |
| CPB Time (mean±SD) | 108 ±32min | 102 ±28min | .56 |
| Aortic Clamp time (mean±SD) | 63±21 min | 59±18min | .42 |
| Graft Flow (ml/min) (mean±SD) | 51.7±24.1 ml/min | 50. ±25.2ml/min | 0.75 |
| Pulsatility Index value (mean±SD) | 2.1±0.8 | 1.8±0.9 | 0.28 |

**Table 2.** Intraoperative data. ERAH: endoscopic radial artery harvest. ORAH: open radial artery harvest. CPB: cardiopulmonary bypass time. SD: standard deviation.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **RA** | | **LIMA** | | **RIMA** | | **SVG** | |
| **Target vessel** | ERAH  (n=25) | ORAH  (n=25) | ERAH  (n=25) | ORAH  (n=25) | ERAH  (n=5) | ORAH  (n=6) | ERAH  (n=25) | ORAH  (n=25) |
| **LAD** |  |  | 25 | 25 |  |  |  |  |
| **Diagonal** | 2 | 1 | 2 | 2 | 2 | 1 | 6 | 5 |
| **OM** | 9 | 12 |  |  |  | 2 | 9 | 10 |
| **Ramus** | 4 | 5 |  |  |  |  | 2 | 2 |
| **RCA** | 7 | 5 |  |  | 3 | 3 | 12 | 8 |
| **PDA** | 3 | 2 |  |  |  |  | 10 | 11 |
| **Number of anastomoses** | 25 | 25 | 27 | 27 | 5 | 6 | 39 | 36 |

**Table 3.** Types of grafts and distribution of their anastomosis to each coronary artery target vessel. RA: radial artery. LIMA: Left internal mammary artery. RIMA: Right internal mammary artery. SVG: Saphenous vein graft. LAD: Left anterior descending artery. OM: Obtuse marginal branch. RCA: right coronary artery. PDA: posterior descending artery.

|  |  |  |  |
| --- | --- | --- | --- |
| **Neurological complications** | **ERAH group (n=25)** | **ORAH group (n=35)** | **P value** |
| Major neuralgias (early) | 5 | 0 | 0.05 |
| Major neuralgias at 12 months | 0 | 0 |  |
| Minor neuralgias (early) | 11 | 3 | 0.02 |
| Minor neuralgias (12 months) | 0 | 0 |  |
| Vascular compromise of the hand | 0 | 0 |  |

**Table 4.** Early and late neurovascular symptoms hand activity. ERAH: endoscopic radial artery harvest. ORAH: Open radial artery harvest.

|  |  |  |  |
| --- | --- | --- | --- |
| **Overall feeling (satisfaction) from RA harvest procedure** | **ERAH (n=25)** | **ORAH (n=25)** | **P value** |
| **Poor (n)** | 0 | 0 |  |
| **Average (n)** | 0 | 6 | 0.02 |
| **Good (n)** | 0 | 7 | 0.009 |
| **Very good (n)** | 4 | 8 | 0.3 |
| **Excellent (n)** | 21 | 4 | <0.00001 |

**Table 5.** Classification of patient satisfaction (overall feeling) from the radial artery (RA) harvest procedure 12 months after surgery. ERAH: endoscopic RA harvest. ORAH: open RA harvest.