# **E-Table 1. Donor Characteristics by Storage Solution Procedure**

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|  | **Fresha****N=508** | **Originalb****N=283** |
| **Donor age** (years)  |  |  |
|  <=30 | 26 (5%) | 10 (4%) |
|  31-50 | 102 (20%) | 32 (11%) |
|  51-60 | 134 (26%) | 70 (25%) |
|  61-70 | 175 (34%) | 115 (41%) |
|  71-76 | 71 (14%) | 56 (20%) |
|  *Median (IQR)* | 60 (50, 67) | 63 (55, 69) |
| **Gender:** Women**-** *n (%)* | 316 (62%) | 191 (67%) |
| **Race/Ethnicity** – *n (%)* |  |  |
|  White | 417 (82%) | 246 (87%) |
|  African-American | 30 (6%) | 23 (8%) |
|  Hispanic or Latino | 45 (9%) | 11 (4%) |
|  Asian | 3 (<1%) | 2 (<1%) |
|  American Indian/Alaskan Native | 0 (0%) | 0 (0%) |
|  More than one race | 0 (0%) | 1 (<1%) |
|  Native Hawaiian/Other Pacific Islander | 3 (<1%) | 0 (0%) |
|  Unknown/Not Reported | 10 (2%) | 0 (0%) |
| **History of diabetes:** Yes**-** *n (%)* | 134 (26%) | 69 (24%) |
| **Cause of death-** *n (%)* |  |  |
|  Cardiovascular Disease | 176 (35%) | 132 (47%) |
|  Cancer | 100 (20%) | 62 (22%) |
|  Cerebrovacular Accident | 59 (12%) | 28 (10%) |
|  Respiratory Disease | 37 (7%) | 22 (8%) |
|  Motor Vehicle Accident | 25 (5%) | 6 (2%) |
|  Other Trauma | 23 (5%) | 9 (3%) |
|  Pulmonary Embolism | 22 (4%) | 6 (2%) |
|  Organ Failure | 16 (3%) | 3 (1%) |
|  Drug Overdose  | 11 (2%) | 5 (2%) |
|  Other | 39 (8%) | 10 (4%) |
| **How time of death determined-** *n (%)* |  |  |
|  Pronounced | 456 (90%) | 267 (94%) |
|  Last known alive | 31 (6%) | 6 (2%) |
|  Cross-clamp | 20 (4%) | 10 (4%) |
|  Established by core temperature | 1 (<1%) | 0 (0%) |
| **Method of retrieval-** *n (%)* |  |  |
|  In situ | 503 (99%) | 283 (100%) |
|  Whole globe | 5 (<1%) | 0 (0%) |
| **Refrigerated / On Ice: Yes-** *n (%)* | 440 (87%) | 267 (94%) |
| **Storage solution-** *n (%)* |  |  |
|  Life 4°C | 37 (7%) | 3 (1%) |
|  Optisol GS | 471 (93%) | 280 (99%) |
| **Folds severity: -** *n (%)* |  |  |
|  None | 127 (25%) | 60 (21%) |
|  Mild | 335 (66%) | 176 (62%) |
|  Moderate | 46 (9%) | 47 (17%) |
| **Pleomorphism /Polymegethism-** *n (%)* |  |  |
|  None | 393 (77%) | 277 (98%) |
|  Mild | 112 (22%) | 6 (2%) |
|  Moderate | 3 (<1%) | 0 (0%) |
| **Donor ECD at Screening –** Median (IQR) | 2763 ± 314 | 2666 ± 288 |
| **Death to preservation time** – *hours* |  |  |
|  Median (IQR) | 9 (7, 13) | 11 (8, 14) |
|  [Min, Max] | [2 to 22] | [1 to 20] |
| **Storage Time (Days)** – *Median (IQR)* | 7 (5, 9) | 6 (5, 9) |
| **Time to Lamellar Dissection (Days)** – Median (IQR) | 6 (4, 8) | 5 (4, 8) |
| **Time from Lamellar Dissection to Surgery (Hours)** – *Median (IQR)* | 24 (21, 27) | 23 (20, 25) |

Abbreviation: ECD, endothelial cell density