# **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