**Supplemental Table 1: Age, gender and admission creatinine of matched pairs**

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| **Fontan Patient** | **Matched Non-Fontan Patient** |
| **Gender** | **Age** | **Admit Creatinine** | **Gender** | **Age** | **Admit Creatinine** |
| Male | 37 | 1.18 | Male | 37 | 1.11 |
| Male | 37 | 1.18 | Male | 37 | 1.11 |
| Female | 33 | 0.75 | Female | 33 | 0.91 |
| Female | 33 | 0.75 | Female | 34 | 0.89 |
| Female | 28 | 0.73 | Female | 29 | 0.71 |
| Female | 28 | 0.73 | Female | 28 | 0.79 |
| Female | 29 | 0.84 | Female | 29 | 0.85 |
| Female | 29 | 0.84 | Female | 29 | 0.8 |
| Female | 31 | 0.54 | Female | 31 | 0.66 |
| Female | 31 | 0.54 | Female | 30 | 0.59 |
| Female | 32 | 0.6 | Female | 32 | 0.71 |
| Female | 32 | 0.6 | Female | 34 | 0.68 |
| Female | 32 | 0.8 | Female | 34 | 0.92 |
| Female | 32 | 0.8 | Female | 30 | 0.79 |
| Female | 32 | 1 | Female | 32 | 0.86 |
| Female | 32 | 1 | Female | 32 | 1.1 |
| Female | 33 | 0.61 | Female | 34 | 0.77 |
| Female | 33 | 0.61 | Female | 33 | 0.81 |
| Female | 33 | 0.47 | Female | 32 | 0.57 |
| Female | 33 | 0.47 | Female | 33 | 0.54 |
| Female | 36 | 0.58 | Female | 36 | 0.67 |
| Female | 36 | 0.58 | Female | 35 | 0.73 |
| Male | 44 | 0.97 | Male | 44 | 1.01 |
| Male | 44 | 0.97 | Male | 44 | 0.97 |
| Male | 47 | 0.87 | Male | 47 | 0.94 |
| Male | 47 | 0.87 | Male | 47 | 1 |
| Male | 27 | 0.96 | Male | 27 | 1 |
| Male | 27 | 0.96 | Male | 28 | 0.96 |
| Male | 27 | 1.08 | Male | 30 | 1.2 |
| Male | 27 | 1.08 | Male | 30 | 1.08 |
| Male | 27 | 1.36 | Male | 30 | 1.37 |
| Male | 27 | 1.36 | Male | 30 | 1.27 |
| Male | 27 | 0.9 | Male | 28 | 1 |
| Male | 27 | 0.9 | Male | 28 | 0.94 |
| Female | 51 | 0.72 | Female | 51 | 0.67 |
| Female | 51 | 0.72 | Female | 51 | 0.68 |
| Female | 25 | 0.75 | Female | 26 | 0.83 |
| Female | 25 | 0.75 | Female | 25 | 0.89 |
| Female | 25 | 0.6 | Female | 23 | 0.6 |
| Female | 25 | 0.6 | Female | 24 | 0.76 |
| Female | 29 | 0.65 | Female | 29 | 0.64 |
| Female | 29 | 0.65 | Female | 29 | 0.65 |
| Male | 52 | 0.98 | Male | 52 | 0.92 |
| Male | 52 | 0.98 | Male | 53 | 0.97 |
| Male | 52 | 1.74 | Male | 52 | 1.7 |
| Male | 52 | 1.74 | Male | 52 | 1.76 |
| Male | 52 | 1.05 | Male | 52 | 1.24 |
| Male | 52 | 1.05 | Male | 53 | 1.05 |
| Male | 24 | 0.94 | Male | 23 | 0.93 |
| Male | 24 | 0.94 | Male | 23 | 0.91 |
| Male | 25 | 0.78 | Male | 27 | 0.74 |
| Male | 25 | 0.78 | Male | 26 | 0.81 |
| Male | 25 | 0.98 | Male | 25 | 1.05 |
| Male | 25 | 0.98 | Male | 25 | 0.79 |
| Male | 25 | 1.58 | Male | 26 | 1.52 |
| Male | 25 | 1.58 | Male | 24 | 1.62 |
| Male | 25 | 1.47 | Male | 27 | 1.47 |
| Male | 25 | 1.47 | Male | 27 | 1.29 |
| Male | 26 | 1.07 | Male | 27 | 1.17 |
| Male | 26 | 1.07 | Male | 27 | 1.18 |
| Male | 26 | 1.06 | Male | 30 | 1.05 |
| Male | 26 | 1.06 | Male | 28 | 1.26 |
| Male | 21 | 0.56 | Male | 21 | 0.76 |
| Male | 21 | 0.56 | Male | 20 | 0.55 |
| Male | 26 | 1.35 | Male | 28 | 1.42 |
| Male | 26 | 1.35 | Male | 28 | 1.43 |
| Female | 48 | 2.39 | Female | 50 | 2.54 |
| Female | 48 | 2.39 | Female | 50 | 2.35 |
| Female | 49 | 0.98 | Female | 49 | 0.98 |
| Female | 49 | 0.98 | Female | 49 | 0.98 |
| Female | 49 | 0.94 | Female | 49 | 0.93 |
| Female | 49 | 0.94 | Female | 49 | 0.93 |
| Female | 50 | 1.32 | Female | 50 | 1.4 |
| Female | 50 | 1.32 | Female | 50 | 1.12 |
| Female | 19 | 0.78 | Female | 21 | 0.77 |
| Female | 19 | 0.78 | Female | 19 | 0.64 |
| Female | 19 | 0.97 | Female | 19 | 0.83 |
| Female | 19 | 0.97 | Female | 19 | 0.86 |
| Female | 21 | 1.91 | Female | 21 | 1.82 |
| Female | 21 | 1.91 | Female | 20 | 1.74 |
| Female | 63 | 1.1 | Female | 63 | 1.09 |
| Female | 63 | 1.1 | Female | 63 | 1.08 |
| Male | 19 | 1.76 | Male | 23 | 1.56 |
| Male | 19 | 1.76 | Male | 23 | 1.6 |
| Male | 21 | 0.57 | Male | 20 | 0.66 |
| Male | 21 | 0.57 | Male | 22 | 0.76 |
| Male | 22 | 0.68 | Male | 23 | 0.72 |
| Male | 22 | 0.68 | Male | 23 | 0.72 |
| Female | 26 | 0.76 | Female | 27 | 0.77 |
| Female | 26 | 0.76 | Female | 23 | 0.77 |
| Male | 34 | 0.88 | Male | 34 | 0.94 |
| Male | 34 | 0.88 | Male | 34 | 1.06 |
| Male | 34 | 0.84 | Male | 34 | 0.86 |
| Male | 34 | 0.84 | Male | 34 | 0.91 |
| Male | 34 | 0.94 | Male | 35 | 0.98 |
| Male | 34 | 0.94 | Male | 35 | 0.9 |
| Male | 40 | 1.65 | Male | 40 | 1.46 |
| Male | 40 | 1.65 | Male | 40 | 1.56 |
| Male | 40 | 1.53 | Male | 41 | 1.56 |
| Male | 40 | 1.53 | Male | 40 | 1.34 |
| Male | 40 | 1.87 | Male | 40 | 1.74 |
| Male | 40 | 1.87 | Male | 40 | 1.91 |
| Male | 50 | 1.2 | Male | 50 | 1.22 |
| Male | 50 | 1.2 | Male | 50 | 1.11 |
| Male | 50 | 1.34 | Male | 50 | 1.33 |
| Male | 50 | 1.34 | Male | 50 | 1.31 |
| Male | 51 | 2.48 | Male | 51 | 2.53 |
| Male | 51 | 2.48 | Male | 52 | 2.35 |