

SUPPLEMENTAL Tables

**Cardiac T2* Magnetic Resonance for Prediction of Cardiac Complications in Thalassemia Major
CIRCULATIONAHA/2009/874487**

Supplemental Table 1: Heart failure

| Cardiac T2* (ms) | No. in group | No. with heart failure | Per scan (non-nested) | | | | No. in group | No. with heart failure | First scan only | | | |
|---------------------|-----------------|---------------------------|-----------------------|-----------|------|--------|-----------------|---------------------------|----------------------------------|-----------|------|-------|
| | | | RR | 95% CI | | p | | | RR | 95% CI | | p |
| <6 | 72 | 34 | 275 | 66 | 1144 | <0.001 | 30 | 16 | 4.44 | 1.74 | 11.4 | 0.002 |
| 6 to <8 | 98 | 29 | 172 | 41 | 722 | <0.001 | 49 | 11 | 1.87 | 0.69 | 5.06 | 0.22 |
| 8 to <10 | 108 | 15 | 81 | 18 | 353 | <0.001 | 50 | 6 | 1 | Reference | | |
| 10+ | 1164 | 2 | 1 | Reference | | | 523 | 0 | Not estimable due to zero events | | | |

| Liver T2* (ms) | No. in group | No. with heart failure | Per scan (non-nested) | | | | No. in group | No. with heart failure | First scan only | | | |
|-------------------|-----------------|---------------------------|-----------------------|-----------|------|-------|-----------------|---------------------------|-----------------|-----------|------|------|
| | | | RR | 95% CI | | p | | | RR | 95% CI | | p |
| <0.96 | 63 | 3 | 1.20 | 0.35 | 4.13 | 0.78 | 31 | 1 | 0.78 | 0.09 | 6.52 | 0.82 |
| 0.96 to <1.4 | 136 | 14 | 2.59 | 1.25 | 5.36 | 0.011 | 78 | 8 | 2.50 | 0.87 | 7.19 | 0.09 |
| 1.4 to <2.7 | 382 | 26 | 1.71 | 0.91 | 3.23 | 0.098 | 188 | 11 | 1.42 | 1.42 | 3.85 | 0.49 |
| 2.7 to <6.3 | 484 | 22 | 1.14 | 0.59 | 2.20 | 0.69 | 209 | 7 | 0.81 | 0.27 | 2.43 | 0.71 |
| 6.3+ | 377 | 15 | 1 | Reference | | | 146 | 6 | 1 | Reference | | |

| Ferritin µg/L | No. in group | No. with heart failure | Per scan (non-nested) | | | | No. in group | No. with heart failure | First scan only | | | |
|------------------|-----------------|---------------------------|-----------------------|-----------|------|-------|-----------------|---------------------------|-----------------|-----------|------|-------|
| | | | RR | 95% CI | | p | | | RR | 95% CI | | p |
| ≥2500 | 450 | 35 | 0.58 | 0.38 | 0.91 | 0.017 | 215 | 18 | 0.41 | 0.21 | 0.81 | 0.011 |
| <2500 | 992 | 45 | 1 | Reference | | | 437 | 15 | 1 | Reference | | |

Supplemental Table 2: Arrhythmia

| Cardiac T2* (ms) | No. in group | No. with arrhythmia | Per scan (non-nested) | | | | No. in group | No. with arrhythmia | First scan only | | | |
|---------------------|-----------------|------------------------|-----------------------|-----------|------|--------|-----------------|------------------------|-----------------|-----------|------|--------|
| | | | RR | 95% CI | p | RR | | | 95% CI | p | | |
| <6 | 72 | 14 | 8.42 | 4.15 | 17.1 | <0.001 | 30 | 6 | 14.4 | 4.39 | 47.2 | <0.001 |
| 6 to <8 | 98 | 20 | 8.84 | 4.63 | 16.9 | <0.001 | 49 | 9 | 13.2 | 4.43 | 39.5 | <0.001 |
| 8 to <10 | 108 | 16 | 6.41 | 3.24 | 12.7 | <0.001 | 50 | 7 | 10.1 | 3.20 | 31.8 | <0.001 |
| 10 to <15 | 263 | 21 | 3.46 | 1.82 | 6.55 | <0.001 | 106 | 8 | 5.43 | 1.78 | 16.6 | 0.003 |
| 15 to <20 | 165 | 10 | 2.62 | 1.20 | 5.73 | 0.015 | 57 | 1 | 1.26 | 0.15 | 10.8 | 0.83 |
| 20+ | 736 | 17 | 1 | Reference | | | 360 | 5 | 1 | Reference | | |

| Liver T2* (ms) | No. in group | No. with arrhythmia | Per scan (non-nested) | | | | No. in group | No. with arrhythmia | First scan only | | | |
|-------------------|-----------------|------------------------|-----------------------|-----------|------|------|-----------------|------------------------|-----------------|-----------|------|------|
| | | | RR | 95% CI | p | RR | | | 95% CI | p | | |
| <0.96 | 63 | 3 | 0.60 | 0.18 | 1.96 | 0.40 | 31 | 2 | 1.35 | 0.28 | 6.48 | 0.71 |
| 0.96 to <1.4 | 136 | 10 | 0.92 | 0.45 | 1.89 | 0.83 | 78 | 5 | 1.34 | 0.42 | 4.21 | 0.62 |
| 1.4 to <2.7 | 382 | 28 | 0.92 | 0.55 | 1.54 | 0.76 | 188 | 13 | 1.44 | 0.58 | 3.61 | 0.44 |
| 2.7 to <6.3 | 484 | 27 | 0.70 | 0.42 | 1.18 | 0.18 | 209 | 9 | 0.90 | 0.33 | 2.41 | 0.83 |
| 6.3+ | 377 | 30 | 1 | Reference | | | 146 | 7 | 1 | Reference | | |

| Ferritin µg/L | No. in group | No. with arrhythmia | Per scan (non-nested) | | | | No. in group | No. with arrhythmia | First scan only | | | |
|------------------|-----------------|------------------------|-----------------------|-----------|------|------|-----------------|------------------------|-----------------|-----------|------|------|
| | | | RR | 95% CI | p | RR | | | 95% CI | p | | |
| 2500+ | 450 | 30 | 1.03 | 0.67 | 1.58 | 0.90 | 215 | 14 | 0.77 | 0.40 | 1.51 | 0.45 |
| <2500 | 992 | 68 | 1 | Reference | | | 437 | 22 | 1 | Reference | | |