

Comparison of Osteonecrosis (AVN) and Non-Osteonecrosis Patients

	AVN (442)	Non-AVN (455)	OR (95% CI)	p value
Males	221 (50)	193 (42)	1.36 (1.04 – 1.77)	0.02
SS[#]	276 (67)	323 (71)	Reference	
SSα[#]	137 (33)	132 (29)	1.1 (1.00 – 1.21)*	0.03
Haplotype			Reference	
BEN/BEN	113 (45)	129 (49)		
BEN/CAR	64 (26)	72 (27)	1.01 (0.67 – 1.55)	0.94
BEN/SEN	28 (11)	18 (7)	1.78 (0.93 – 3.38)	0.08
Other	44 (18)	45 (17)	1.11 (0.68 – 1.82)	0.65
Age at last follow-up				
Mean	26.2 (13.7)	32.3 (9.9)	0.96 (0.95 – 0.97)	<0.0001
Median	23.0	29.0		
Age at blood draw				
Mean	25.9 (8.2)	19.6 (12.4)	0.94 (0.93 – 0.96)	<0.0001
Median	24.0	18.0		
Hb (g/dL)*				
Mean	8.5	8.6	1.10 (0.95 – 1.21)	0.28
HbF (g/dL)*				
Mean	0.5	0.5	0.92 (0.65 – 1.29)	0.63
% HbF *				
Mean	6.0	5.8	0.99 (0.96 – 1.02)	0.60

SS-sickle cell disease; SS α -sickle cell disease and α thalassemia

* Adjusted for age at blood draw from which HbF levels determined