

Table 1. Demographic, clinical and outcome characteristics

	Overall (n=190)	Antibiotics alone (n=83)	Antibiotics and Steroids (n=107)	p-value
<b>Demographic characteristics at time of index hospitalization</b>				
Age, mean (SD)	8.06 (4.08)	7.45 (4.01)	8.53 (4.10)	0.095
Neighborhood Deprivation Index Quintiles, n (%)				0.13
1	16 ( 8.4)	8 ( 9.6)	8 ( 7.5)	
2	34 ( 17.9)	11 ( 13.3)	23 ( 21.5)	
3	45 ( 23.7)	23 ( 27.7)	22 ( 20.6)	
4	25 ( 13.2)	8 ( 9.6)	17 ( 15.9)	
5	18 ( 9.5)	12 ( 14.5)	6 ( 5.6)	
NA	52 ( 27.4)	21 ( 25.3)	31 ( 29.0)	
<b>Clinical characteristics at time of index hospitalization</b>				
Sinusitis, n (%)	181 ( 95.3)	77 ( 92.8)	104 ( 97.2)	0.28
<b>Presence of clinical symptoms</b>				
Pain with extraocular movement, n (%)	124 ( 65.3)	57 ( 68.7)	67 ( 62.6)	0.474
Ophthalmoplegia, n (%)	72 ( 37.9)	27 ( 32.5)	45 ( 42.1)	0.233
Headache, n (%)	102 ( 53.7)	45 ( 54.2)	57 ( 53.3)	1
Eye pain, n (%)	155 ( 81.6)	70 ( 84.3)	85 ( 79.4)	0.5
Periorbital swelling, n (%)	190 (100.0)	83 (100.0)	107 (100.0)	NA
Clinical proptosis, n (%)	76 ( 40.0)	29 ( 34.9)	47 ( 43.9)	0.269
Fever, n (%)	137 ( 72.1)	62 ( 74.7)	75 ( 70.1)	0.59
Number of clinical symptoms, mean (SD)	4.51 (1.41)	4.49 (1.43)	4.51 (1.40)	0.923
Number of clinical symptoms, median (IQR)	5.00 [4.00, 5.75]	5.00 [3.50, 5.00]	5.00 [4.00, 6.00]	0.921
<b>Imaging-based severity at presentation, n (%)</b>				
Chandler II	84 ( 44.2)	45 ( 54.2)	39 ( 36.4)	
Chandler III/IV	92 ( 48.4)	32 ( 38.6)	60 ( 56.1)	
Chandler V or any intracranial extension	14 ( 7.4)	6 ( 7.2)	8 ( 7.5)	
<b>Lab values at admission</b>				
CRP, mean (SD)	8.03 (7.26)	9.09 (7.64)	7.25 (6.92)	0.176
WBC, mean (SD)	14.26 (5.74)	15.34 (6.64)	13.42 (4.79)	0.039
% neutrophils, mean (SD)	58.44 (28.63)	56.34 (31.03)	60.00 (26.83)	0.496
Blood culture drawn, n (%)	146 ( 76.8)	62 ( 74.7)	84 ( 78.5)	0.657
Blood culture positive, n (%)	19 ( 10.0)	8 ( 9.6)	11 ( 10.3)	1

Outcomes	Overall	Antibiotics Alone	Antibiotics and Steroids	
Length of hospital stay (hours), median (IQR)	96:01:00 [71:39, 121:31]	94:11 [71:33, 118:59]	96:40 [72:00, 127:59]	
Hours of pain score >3, median (IQR)	8 [4, 24]	8 [4, 20]	8 [4, 27]	
Hours of pain score >3, mean (SD)	18 (27.2)	18.2 (28.1)	17.9 (26.7)	
Total days of IV abx, median (IQR)	4 [4, 6]	4 [3.5, 5]	5 [4, 6]	
Readmission within 30 days, n (%)	13 (6.8%)	2 (2.4%)	11 (10%)	0.03