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| **Supplementary Table 2. Demographic, History, and Clinical Factors Associated with Congenital Heart Disease in Infective Endocarditis** | | | | | |
|  | **All IE** | **By Congenital Heart Disease** | | | |
|  | (n=68) | Present (n=41) | Not Present  (n=27) | p-valuea | |
| Age at IE symptom onset (n=66) | 9.0 (0.3, 14.6) | 7.4 (0.5, 13.6) | 11.3 (0.2, 15.9) | 0.60 | |
| Age ≥13 years | 21 (31) | 11 (27) | 10 (37) | 0.37 | |
| Male sex | 35 (51) | 23 (56) | 12 (44) | 0.35 | |
| Race  Black (reference) | 19 (28) | 13 (32) | 6 (22) | 0.65 | |
| White | 34 (50) | 20 (49) | 14 (52) | - | |
| Other | 15 (22) | 8 (20) | 7 (26) | - | |
| Length of hospital stay (days) | 20.5 (9, 68.5) | 21 (9, 69) | 19 (9, 57) | 0.71 | |
|  |  |  |  |  | |
|  | | | | | |
| Medical History | | | | | |
| Conduit | 15 (22) | 14 (34) | 1 (4) | **0.003** | |
| Potential right-to-left shunt | 15 (22) | 15 (37) | 0 (0) | | **<0.001** |
| Prosthetic valve | 9 (13) | 9 (22) | 0 (0) | | **0.009** |
| Central venous catheter at time of diagnosis (n=67) | 18 (27) | 10 (25) | 8 (30) | 0.68 | |
| Surgery or catheterization within 30 days prior to diagnosis | 11 (16) | 8 (20) | 3 (11) | 0.36 | |
| Dental procedure within 30 days prior to diagnosis | 3 (4) | 2 (5) | 1 (4) | 0.82 | |
| Current anti-platelet use (n=15) | 11 (16) | 8 (20) | 3 (11) | 0.25 | |
| Current anticoagulation use (n=28) | 14 (21) | 10 (24) | 4 (15) | 0.63 | |
|  |  |  |  |  | |
|  | | | | | |
| Endocarditis Clinical Features | | | | | |
| Definite IE (vs possible) | 43 (63) | 24 (59) | 19 (70) | 0.32 | |
| Duke pathologic criteria |  |  |  |  | |
| Pathologic lesions | 5 (7) | 1 (2) | 4 (15) | 0.06 | |
| Micro-organisms | 6 (9) | 4 (10) | 2 (7) | 0.74 | |
| Echocardiogram findings |  |  |  |  | |
| Vegetation | 42 (62) | 22 (54) | 20 (74) | 0.09 | |
| Mobile vegetation >10mm | 12 (18) | 6 (15) | 6 (22) | 0.42 | |
| Vegetation with potential for  systemic embolizationb | 28 (41) | 13 (32) | 15 (56) | | 0.051 |
| Abscess | 2 (3) | 1 (2) | 1 (4) | 0.76 | |
| New valvular regurgitation | 22 (32) | 8 (20) | 14 (52) | **0.005** | |
| Normal | 21 (31) | 17 (41) | 4 (15) | **0.020** | |
| Blood culture |  |  |  |  | |
| *Staphylococcus aureus* | 22 (32) | 14 (34) | 8 (30) | 0.70 | |
| Viridans streptococci | 8 (12) | 5 (12) | 3 (11) | 0.89 | |
| HACEK group | 1 (1) | 0 (0) | 1 (4) | 0.21 | |
| *Enterococcus* | 1 (1) | 1 (2) | 0 (0) | 0.41 | |
| Persistently + cultures for  organisms typical of IE | 9 (13) | 6 (15) | 3 (11) | 0.68 | |
| Persistently + cultures for more  commonly skin contaminants | 5 (7) | 2 (5) | 3 (11) | 0.34 | |
| No growth | 22 (32) | 13 (32) | 9 (33) | 0.89 | |
| Fever | 60 (88) | 38 (93) | 22 (81) | 0.16 | |
| Vascular phenomenac | 22 (32) | 11 (27) | 11 (41) | 0.23 | |
| Immunologic phenomenad | 3 (4) | 2 (5) | 1 (4) | 0.82 | |
| Microbiologic evidencee | 20 (29) | 13 (32) | 7 (26) | 0.61 | |
|  |  |  |  |  | |
| Prodromal headache (n=39) | 14 (36) | 5 (23) | 8 (53) | 0.051 | |
| Neurologic complication | 23 (34) | 12 (29) | 11 (41) | 0.33 | |
| Categorical variables are described using n (%). Continuous variables are described using median (IQR).  ap-values were calculated using Fisher’s exact tests for categorical variables and Wilcoxon rank-sum tests for continuous variables  bIncludes all children with a left-sided vegetation or those with a right-sided vegetation with potential for a right-to-left shunt and systemic embolization.  cVascular phenomena include major arterial emboli, septic pulmonary infarcts, infectious intracranial aneurysm, intracranial hemorrhage, conjunctival hemorrhages, or Janeway lesions  dImmunologic phenomena include glomerulonephritis, Osler nodes, Roth spots, or rheumatoid factor  eMicrobiologic evidence includes positive blood cultures that do not meet Duke major criteria, or serologic evidence of active infection with organism consistent with IE.  Abbreviations: IE, infective endocarditis; HACEK, *Haemophilis* species, *Actinocacillus actinomycetemcomitans, Cardiobacterium hominis*, *Eikenella* species, and *Kingella kingae*; HCT, head computed topography; CTA, computed topography angiogram; MRI, magnetic resonance imaging; MRA, magnetic resonance angiography; MRV, magnetic resonance venography; AHA, American Heart Association. | | | | | |