**S3 Table. Proportion of bacteria detected from MEF samples of patients with OME/COME**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  **Countries/regions** | **OM** | **Age** | **Size** | **Positive for bacteria** | **Bacteria** | **Ref.** |
| ***America*** |  |  |  |  |  |  |
| Brazil (2001-2002) | OME/ COME | 11m - 10y | 128 | 25% | *H. influenzae* | [59] |
| *S. pneumoniae* |
| *M. catarrhalis* |
| Others |
| The US (1995) | COME | 9m -15y | 97 | 29% | *H. influenzae* | [60]  |
| *S. pneumoniae* |
| *M. catarrhalis* |
| ***Europe*** |  |  |  |  |  |  |
| Finland (1981) | COME | 5m - 15y | 110 | 32% | *H. influenzae* | [61] |
| *S. pneumoniae* |
| *M. catarrhalis* |
| *S. aureus* |
| Others |
| Wales (1986-1987) | COME | ≤ 7y (67%) | 259 | 20% | *H. influenzae* | [62] |
| *S. pneumoniae* |
| *M. catarrhalis* |
| *S. aureus* |
| England (1989) | COME | < 10y (Mostly) | 102 | 47% | *H. influenzae* | [63] |
| *S. pneumoniae* |
| *M. catarrhalis* |
| Others |
| Finland (1993-1994) | OME | 5m - 12y | 165 | 39% | *S. pneumoniae* | [64] |
| *H. influenzae* |
| *M. catarrhalis* |
| *S. pyogenes* |
| *S. aureus* |
| others |
| Finland (1993-1994) | COME | < 12y | 123 | 45% | *H. influenzae* | [65] |
| *S. pneumoniae* |
| *M. catarrhalis* |
| Finland (1996-1997) | OME | 1y - 9y | 67 | 21% | *H. influenzae* | [66] |
| *M. catarrhalis* |
| *S. pneumoniae* |
| Spain (2007) | COME | 1y - 12y | 40 | 73% | *H. influenzae* | [67] |
| *S. pneumoniae* |
| *S. aureus* |
| *A. otitidis* |
| Netherlands (2008-2009) | COME | < 6y | 94 | 32% | *H. influenzae* | [19] |
| *M. catarrhalis* |
| *S. pneumoniae* |
| UK (2012) | COME | ≤ 18y (83%) | 62 | 45% | *S. pneumoniae* | [68] |
| *M. catarrhalis* |
| *H. influenzae* |
| *S. aureus* |
| others |
| ***Asia*** |  |  |  |  |  |  |
| Turkey (1999) | COME | 2y - 14y | 37 | 24% | *S. pneumoniae* | [69] |
| *H. influenzae* |
| *M. catarrhalis* |
| Korea (2004-2008) | COME | 2y - 7y | 289 | 36% | *S. pneumoniae* | [70] |
| *S. pyrogenes* |
| *S. aureus* |
| *P. aerigunosa* |
| Others |
| Korea (2000-2002) | COME | 1y - 11y | 278 | 14% | *H. influenzae* | [71] |
| *S. pneumoniae* |
| *S. pyrogenes* |
| *S. aureus* |
| Japan (1988) | OME | ≤ 15y (73%) | 613 | 42% | *H. influenzae* | [72] |
| *S. pneumoniae* |
| *M. catarrhalis* |
| *S. aureus* |
| Others |
| Japan (2006) | COME | 9m - 8y | 76 | 21% | *H. influenzae* | [18] |
| *S. pneumoniae* |
| *M. catarrhalis* |
| *S. aureus* |
| Iran (2007-2008) | COME | 2y - 13y | 63 | 60% | *S. pneumoniae* | [73] |
| *H. influenzae* |
| *M. catarrhalis* |
| *S. aureus* |
| *P. aeruginosa* |
| Others |
| Iran (2009-2010) | COME | 1y - 12y | 63 | 48% | *S. pneumoniae* | [74] |
| *M. catarrhalis* |
| *H. influenzae* |
| *A. otitidis* |
| Lebanon (1996-1997) | OME | 2y - 10y | 47 | 21% | *H. influenzae* | [75] |
| *M. catarrhalis* |
| Lebanon (2009-2010) | COME | < 13y | 107 | 32% | *H. influenzae* | [76] |
| *S. pneumoniae* |
| *M. catarrhalis* |
| ***Africa*** |  |  |  |  |  |  |
| Egypt (1993) | COME | 15m - 8y  | 104 | 50% | *H. influenzae* | [77] |
| *M. catarrhalis* |
| *S. pneumoniae* |
| *S. aureus* |
| *Pseudomonas* spp. |
| Egypt (2003-2008) | OME/COME | 3y - 10y | 50 | 24% | *S. pneumoniae* | [78] |
| *M. catarrhalis* |
| ***Oceania*** |  |  |  |  |  |  |
| Australia (1995-2000) | COME | 11m - 10y | 45 | 42% | *H. influenzae* | [79] |
| *M. catarrhalis* |
| *S. aureus* |
| *P. aeruginosa* |
| Others |
| New Zealand (1994) | COME | 11m - 8y | 105 | 36% | *H. influenzae* | [80] |
| *M. catarrhalis* |
| *S. pneumoniae* |
| Others |
| **Average**  |  |  |  | **36%** |   |  |
| **Max** |  |  |  | 73% |  |  |
| **Min** |   |   |   | 14% |  |   |