

| n | A _R | A _L | Q _R | Q _L | Q _T | Φ | R | n | A _R | A _L | Q _R | Q _L | Q _T | Φ | R |
|--|----------------|----------------|----------------|----------------|----------------|------|-------|----|----------------|----------------|----------------|----------------|----------------|------|-------|
| 1 | 96.40 | 113.19 | 8.41 | 5.95 | 14.35 | 1.30 | 9.26 | 31 | 116.55 | 135.98 | 6.32 | 7.94 | 14.26 | 1.23 | 25.50 |
| 2 | 101.63 | 126.47 | 4.23 | 10.42 | 14.65 | 1.91 | 19.52 | 32 | 76.58 | 62.63 | 7.42 | 6.63 | 14.05 | 1.23 | 7.58 |
| 3 | 133.90 | 130.96 | 6.08 | 8.83 | 14.91 | 1.38 | 13.62 | 33 | 93.17 | 80.37 | 9.39 | 5.43 | 14.82 | 1.55 | 13.04 |
| 4 | 113.50 | 99.73 | 2.10 | 12.44 | 14.54 | 2.85 | 8.30 | 34 | 103.68 | 93.43 | 7.39 | 7.06 | 14.45 | 1.04 | 6.67 |
| 5 | 95.66 | 97.02 | 3.86 | 10.24 | 14.10 | 1.90 | 9.87 | 35 | 115.71 | 109.40 | 10.13 | 4.28 | 14.41 | 1.79 | 20.22 |
| 6 | 94.51 | 93.50 | 4.74 | 9.01 | 13.75 | 1.58 | 13.73 | 36 | 170.64 | 129.11 | 12.43 | 2.36 | 14.79 | 3.38 | 9.58 |
| 7 | 145.22 | 163.81 | 7.18 | 7.06 | 14.24 | 1.21 | 44.62 | 37 | 124.63 | 125.07 | 8.17 | 6.46 | 14.63 | 1.22 | 11.20 |
| 8 | 90.25 | 81.69 | 6.78 | 7.30 | 14.08 | 1.10 | 3.52 | 38 | 90.95 | 87.92 | 10.96 | 3.43 | 14.39 | 2.14 | 8.98 |
| 9 | 70.52 | 64.95 | 9.32 | 4.72 | 14.04 | 1.83 | 4.49 | 39 | 88.73 | 76.32 | 7.39 | 6.70 | 14.10 | 1.14 | 6.14 |
| 10 | 110.38 | 88.49 | 6.20 | 8.23 | 14.43 | 1.25 | 13.21 | 40 | 104.58 | 115.77 | 6.27 | 8.20 | 14.47 | 1.22 | 10.45 |
| 11 | 68.79 | 62.16 | 8.28 | 5.95 | 14.22 | 1.47 | 4.57 | 41 | 62,94 | 71,95 | 7,04 | 7,04 | 14,08 | 1,14 | 3,53 |
| 12 | 67.10 | 67.80 | 5.55 | 9.00 | 14.54 | 1.60 | 3.44 | 42 | 130,05 | 86,80 | 8,61 | 5,96 | 14,56 | 1,35 | 21,13 |
| 13 | 89.64 | 86.07 | 7.81 | 6.07 | 13.88 | 1.24 | 4.77 | 43 | 66,81 | 70,29 | 8,28 | 5,55 | 13,83 | 1,51 | 7,77 |
| 14 | 113.43 | 80.40 | 3.65 | 10.20 | 13.85 | 2.14 | 10.51 | 44 | 97,79 | 118,65 | 5,11 | 9,55 | 14,66 | 1,59 | 16,94 |
| 15 | 82.76 | 88.29 | 10.13 | 3.66 | 13.78 | 2.04 | 4.50 | 45 | 96,91 | 86,57 | 7,10 | 7,29 | 14,39 | 1,04 | 8,67 |
| 16 | 110.64 | 107.53 | 4.82 | 9.12 | 13.93 | 1.56 | 7.27 | 46 | 98,89 | 107,05 | 10,61 | 3,70 | 14,31 | 2,01 | 13,69 |
| 17 | 65.85 | 73.16 | 6.46 | 7.04 | 13.49 | 1.20 | 4.13 | 47 | 61,88 | 70,99 | 9,13 | 4,69 | 13,83 | 1,84 | 9,87 |
| 18 | 149.18 | 120.24 | 5.79 | 8.68 | 14.47 | 1.45 | 9.83 | 48 | 96,89 | 86,45 | 5,80 | 8,46 | 14,26 | 1,35 | 15,95 |
| 19 | 109.07 | 94.90 | 7.22 | 6.94 | 14.17 | 1.03 | 97.94 | 49 | 98,08 | 115,92 | 4,40 | 10,06 | 14,46 | 1,80 | 5,03 |
| 20 | 109.77 | 111.46 | 7.49 | 6.71 | 14.20 | 1.09 | 10.15 | 50 | 96,65 | 96,29 | 4,83 | 9,40 | 14,22 | 1,59 | 10,49 |
| 21 | 116.57 | 141.58 | 7.97 | 6.43 | 14.40 | 1.23 | 10.68 | 51 | 69,04 | 87,84 | 11,40 | 2,76 | 14,16 | 2,74 | 7,64 |
| 22 | 139.66 | 129.75 | 5.20 | 9.40 | 14.60 | 1.62 | 9.94 | 52 | 110,32 | 99,34 | 2,59 | 11,74 | 14,33 | 2,52 | 4,55 |
| 23 | 70.80 | 69.03 | 4.74 | 9.33 | 14.07 | 1.79 | 4.48 | 53 | 62,25 | 76,23 | 6,35 | 7,54 | 13,89 | 1,29 | 4,46 |
| 24 | 86.65 | 85.52 | 11.26 | 3.32 | 14.58 | 2.21 | 9.45 | 54 | 96,67 | 88,71 | 7,99 | 6,39 | 14,38 | 1,20 | 22,97 |
| 25 | 90.97 | 123.91 | 6.29 | 8.20 | 14.49 | 1.24 | 6.55 | 55 | 112,61 | 122,87 | 8,76 | 5,77 | 14,53 | 1,37 | 37,78 |
| 26 | 74.78 | 74.46 | 7.80 | 7.08 | 14.88 | 1.17 | 7.83 | 56 | 52,36 | 37,86 | 7,58 | 5,98 | 13,56 | 1,61 | 2,09 |
| 27 | 92.26 | 100.36 | 5.95 | 8.22 | 14.17 | 1.28 | 5.52 | 57 | 140,88 | 127,83 | 7,66 | 6,96 | 14,62 | 1,15 | 53,70 |
| 28 | 84.04 | 90.28 | 3.86 | 10.08 | 13.94 | 1.97 | 9.05 | 58 | 67,56 | 46,96 | 4,84 | 8,91 | 13,75 | 1,95 | 3,06 |
| 29 | 97.86 | 104.42 | 5.63 | 8.85 | 14.49 | 1.39 | 16.57 | 59 | 72,83 | 104,89 | 6,33 | 8,12 | 14,45 | 1,26 | 15,95 |
| 30 | 94.02 | 107.94 | 10.49 | 3.56 | 14.05 | 2.08 | 13.73 | 60 | 127,95 | 126,91 | 5,77 | 8,80 | 14,58 | 1,40 | 12,27 |
| Flow rates (Q) in L/min. nostril areas (A) in mm ² , and the dimensionless estimators Φ and R sub-indices: R (right nostril) and L (left nostril) | | | | | | | | | | | | | | | |

Table 1 Different parameters calculated in the inspiration phase by numerical simulation, for a set of 60 patients with chronic otitis media