Molecular Detection of Respiratory Pathogens and typing of human rhinovirus of adults hospitalized for exacerbation of asthma and chronic obstructive pulmonary disease.

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Supplementary Table 1. Length of hospital stay, readmissions and mortality in relations to types of human rhinovirus identified in the NPA in patients with acute exacerbation of COPD.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | HRV\_An=15 | HRV\_Bn=3 | HRV\_Cn=8 | P-value |
| Length of hospital stay (days) (Mean ± SD) | 13.1 ± 8.4 | 9.0 ± 8.6 | 6.9 ± 5.0 | 0.18 |
| 30-day Readmissions | 1 | 0  | 0 | 1.00 |
| 60-day Readmissions | 4 | 2 | 2 | 0.36 |
| In-hospital Mortality | 0 | 0 | 0 | NA |
| 30-Day Mortality | 0 | 0 | 0 | NA |
| 60-Day Mortality | 0 | 0 | 0 | NA |

HRV: Human rhinovirus; N/A: not applicable

Data are presented as mean±SD or number

Supplementary Table 2. Length of hospital stay, readmissions and mortality in relations to types of human rhinovirus identified in the NPA in patients with acute exacerbation of asthma.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | HRV\_An=6 | HRV\_Bn=1 | HRV\_Cn=4 | P-value |
| Length of hospital stay (days) (Mean ± SD) | 9.7 ± 6.9 | NA (only 1 case; length of stay was 3 days) | 7.7 ± 3.4 | 0.63 |
| 30-day Readmissions | 0 | 0 | 0 | NA |
| 60-day Readmissions | 0 | 0 | 1 | 0.38 |
| In-hospital Mortality | 0 | 0 | 0 | NA |
| 30-Day Mortality | 0 | 0 | 0 | NA |
| 60-Day Mortality | 0 | 0 | 0 | NA |

HRV: Human rhinovirus; N/A: not applicable

Data are presented as mean±SD or number



Supplementary Figure 1. NPA results of the COPD exacerbation cases in different months.
The bars represent the % of subjects with the microorganism identified over the total number of subjects recruited in that month.

ADV=adenovirus; B. Pertussis=Bordetella pertussis; CoV=Coronavirus; FluA= influenza A; Flu B=influenza B; HBoV= Human Bocavirus; HMPV= Human metapneumovirus; HPIV=Human parainfluenza virus; M pneumoniae=*Mycoplasma pneumoniae*; HRVs= Human rhinovirus; RSV= Respiratory syncytial virus



Supplementary Figure 2. NPA results of the asthma exacerbation cases in different months.
The bars represent the % of subjects with the microorganism identified over the total number of subjects recruited in that month.

ADV=adenovirus; CoV=Coronavirus; FluA= influenza A; HMPV= Human metapneumovirus; HPIV=Human parainfluenza virus; M pneumoniae=*Mycoplasma pneumoniae*; HRVs= Human rhinovirus; RSV= Respiratory syncytial virus