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Novel Variant and Known Mutation in 23S rRNA Gene of *Mycoplasma pneumoniae*, Northern Vietnam, 2023

Appendix

Appendix Table. Characteristics of each of all patients

| Patient | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
|--|----------|----------|----------|----------|----------|----------|--------------|---------------|--------------|--------------|--------------|--------------|--------------|
| Mutation | Yes | Yes | Yes | Yes | Yes | Yes | No | No | No | No | No | No | No |
| Mutation type | A2063G | A2063G | A2063G | A2063G | C2353T | C2353T | Non-detected | Non-detected | Non-detected | Non-detected | Non-detected | Non-detected | Non-detected |
| Nasopharyngeal culture | Negative | Not done | Not done | Not done | Negative | Not done | Not done | Positive | Negative | Not done | Positive | Negative | Negative |
| - Positive Bacteria | NA | NA | NA | NA | NA | NA | NA | H. influenzae | NA | NA | S. pyogenes | NA | NA |
| PCR panel of 7 respiratory bacteria | | | | | | | | | | | | | |
| - Positive with <i>M. pneumoniae</i> | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| - Positive with <i>H. influenzae</i> | No | No | Yes | No | Yes | No | No | Yes | No | No | No | No | Yes |
| - Positive with <i>S. pneumoniae</i> | No | No | No | Yes | Yes | Yes | No | Yes | No | Yes | No | Yes | Yes |
| - Positive with other bacteria | No | No | No | No | No | No | No | No | No | No | No | No | No |
| Co_detection of bacteria by PCR panel | No | No | Yes | Yes | Yes | Yes | No | Yes | No | Yes | No | Yes | Yes |
| Co_detection of bacteria by PCR or culture | No | No | Yes | Yes | Yes | Yes | No | Yes | No | Yes | Yes | Yes | Yes |
| Mycoplasma IgM | Positive | NOT DONE | NOT DONE | Positive | NOT DONE | NOT DONE | NOT DONE | NOT DONE | Negative | NOT DONE | NOT DONE | NOT DONE | Positive |
| Flu rapid test | NOT DONE | NOT DONE | NOT DONE | NOT DONE | Negative | Negative | NOT DONE | NOT DONE | NOT DONE | NOT DONE | Negative | NOT DONE | NOT DONE |
| Gender | Female | Female | Male | Female | Male | Female | Male | Female | Female | Female | Male | Male | Male |
| Age (year) | 4 | 6 | 4 | 2 | 13 | 6 | 1 | 1 | 4 | 7 | 7 | 4 | 3 |

| Patient | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
|---|-------------------------------|-------------------------------|----------------|-------------------------------|-------------------------------|-------------------------------|--------------|-------------------------------|----------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Hospitalized | Yes | No | No | Yes | Yes | No | No | Yes | Yes | No | Yes | Yes | Yes |
| Date of hospital visit | 2023-05-18 | 2023-06-28 | 2023-06-27 | 2023-05-19 | 2023-01-07 | 2023-06-28 | 2023-06-29 | 2023-02-07 | 2023-05-22 | 2023-07-01 | 2023-01-07 | 2023-06-26 | 2023-02-07 |
| Day of illness at hospital visit and nasopharyngeal sample aspiration | 5 | 3 | 4 | 5 | 3 | 4 | 5 | 4 | 5 | 7 | 4 | 5 | 5 |
| Days with fever at hospital visit | 5 | 3 | 4 | 5 | 3 | 4 | 5 | 4 | 5 | 2 | 4 | 5 | 5 |
| Cough | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Respiratory distress | No | No | No | Yes | No | No | No | No | No | No | No | No | No |
| Wheezing | No | No | No | Yes | No | No | No | No | No | No | No | No | No |
| Chest pain | No | No | No | No | No | No | No | No | No | Yes | No | No | No |
| Pulmonary rales | Yes | No | No | Yes | Yes | Yes | Yes | No | Yes | No | No | Yes | Yes |
| Lung lesion in chest X-ray | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Oxygen supplementation | No | No | No | Yes | No | No | No | No | No | No | No | No | No |
| Treatment before hospital visit | Yes | Yes | Yes | No | No | Yes | No | No | Yes | No | No | No | Yes |
| - Antibiotic use before hospital visit | Amoxicillin & Clavulanic acid | No | Clarithromycin | NA | NA | No | NA | NA | Azithromycin | NA | NA | NA | Amoxicillin & Clavulanic acid |
| - Duration of treatment before hospital visit | 4 | 3 | 6 | NA | NA | 4 | NA | NA | 3 | NA | NA | NA | 4 |
| Macrolide initiated at the beginning of hospital treatment | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes |
| - Macrolide type | Azithromycin | Azithromycin | Clarithromycin | Azithromycin | Azithromycin | Azithromycin | Azithromycin | NA | Clarithromycin | Azithromycin | Clarithromycin | Azithromycin | Azithromycin |
| Other antibiotic use at the beginning of hospital treatment | Ceftriaxone | Amoxicillin & Clavulanic acid | Cefdinir | Amoxicillin & Clavulanic acid | Amoxicillin & Clavulanic acid | Amoxicillin & Clavulanic acid | NA | Amoxicillin & Clavulanic acid | Ceftriaxone | Amoxicillin & Clavulanic acid | Amoxicillin & Clavulanic acid | Amoxicillin & Clavulanic acid | Ceftriaxone |
| Switch to Clarithromycin | Yes | No | No | No | Yes | No | No | NA | NA | No | No | No | No |
| - Switch after how many day | 6 | NA | NA | NA | 5 | NA | NA | NA | NA | NA | NA | NA | NA |
| Macrolide was used after initial antibiotic (day) | NA | NA | NA | NA | NA | NA | NA | 1 | NA | NA | NA | NA | NA |
| - Macrolide type | NA | NA | NA | NA | NA | NA | NA | Azithromycin | NA | NA | NA | NA | NA |

| Patient | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
|--|---------------------------------|-------------------------------------|-------------------------------------|---------------------------------|---------------------------------|-------------------------------------|-------------------------------------|---------------------------------|---------------------------------|-------------------------------------|---------------------------------|---------------------------------|---------------------------------|
| Clinical response to initial macrolide treatment (after >48h) | No | Yes | Yes | No | No | Yes | Yes | No | No | Yes | Yes | Yes | Yes |
| - Evaluation after how many days of initial macrolide treatment? | 3 | 3 | 6 | 3 | 3 | 5 | 2 | 3 | 2 | 6 | 3 | 3 | 3 |
| Clinical non-response | | | | | | | | | | | | | |
| - Reason: persistent fever | No | No | No | Yes | No | No | No | Yes | Yes | No | No | No | No |
| - Reason: persistent or worse chest X-ray | Yes | No | No | No | Yes | No | No | No | No | No | No | No | No |
| - Reason: persistent respiratory distress | No | No | No | Yes | No | No | No | No | No | No | No | No | No |
| - Reason: new respiratory distress | No | No | No | No | No | No | No | Yes | Yes | No | No | No | No |
| Alternative antibiotic use | Clarithromycin | No | No | Levofloxacin | Clarithromycin | No | No | Levofloxacin | Levofloxacin | No | NA | No | No |
| - Response to alternative antibiotic | Yes | NA | NA | Yes | Yes | NA | NA | Yes | Yes | NA | NA | NA | NA |
| Treatment results | Discharged with no complication | Recovered with outpatient treatment | Recovered with outpatient treatment | Discharged with no complication | Discharged with no complication | Recovered with outpatient treatment | Recovered with outpatient treatment | Discharged with no complication | Discharged with no complication | Recovered with outpatient treatment | Discharged with no complication | Discharged with no complication | Discharged with no complication |