
Demographic: Female, 17 yrs, Not Pregnant, Asia Southeast, General speciality

Asia Southeast chosen as the region as the person was a victim of the Tsunami and lived in that region. Chosing Asia Southeast means diagnoses are sorted according to region prevalence.

Clinical features extracted from the case and entered into the query box:
respiratory distress
hemiparesis
aspirated water
cough
headache
nausea
vomiting
decreased appetite
difficulty swallowing
hypotensive
pleural effusion
prolonged capillary refill
babinski reflex
hydropneumothorax
flaccid paralysis
change in mental status

Synonyms used by Isabel for the above query:
Babinski reflex
cough
headache
respiratory distress
vomiting
decreased appetite
pleural effusion
flaccid paralysis
STOP !

Before you read further you might want to construct your own:

- Complete differential diagnosis
- Final diagnosis

In the following section you will find:

- The differential diagnosis constructed by the MGH panel
- The final diagnosis of the case
- Which of the MGH panel differential diagnoses did Isabel contain
- Did Isabel suggest the Final diagnosis

*Differential Diagnoses considered by the MGH panel:*
Aspiration Pneumonia
Mycobacterium Tuberculosis
Burkholderia
Cerebral Venous Sinus Thrombosis
Multiple Sclerosis
Acute Demyelinating Encephalomyelitis
Brain Abscess

*Final Diagnoses of the case according to NEJM:*
Tsunami Related Aspiration Pneumonia
Lung Abscesses
Brain Abscesses
Differential Diagnoses of the case as given by Isabel:
Aspiration Pneumonia – Yes, 1st page
Mycobacterium Tuberculosis – Yes, 1st page
Burkholderia - No
Cerebral Venous Sinus Thrombosis – Yes, click on Nervous system heading
Multiple Sclerosis - No
Acute Demyelinating Encephalomyelitis Yes, Click on Infectious diseases heading
Brain Abscess – Yes, 1st page

Was the final diagnosis given by Isabel:
Tsunami Related Aspiration Pneumonia – Yes, 1st page
Lung Abscess – Yes, Click on Respiratory disorders heading
Brain Abscess – Yes, Click on Nervous system heading

Entire presentation cut and pasted into the Isabel query box:
Tsunami Related Aspiration Pneumonia – No
Lung Abscess – No
Brain Abscess - No

Isabel differential for extracted features:
Aspiration Pneumonia:

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<tr>
<th>CARDIAC DISORDERS</th>
<th>INFECTION DISEASES</th>
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<tr>
<td>Heart Failure / CHF</td>
<td>Arboviral Infections / Encephalitis</td>
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<td>Myocarditis</td>
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<thead>
<tr>
<th>SHOCK STATES</th>
<th>GYNECOLOGICAL DISORDERS</th>
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<tr>
<td>Sepsis and Shock</td>
<td>Ovarian Neoplasms</td>
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<td>Cardiogenic Shock</td>
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<table>
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<tr>
<th>RESPIRATORY SYSTEM DISORDERS</th>
<th>GASTROINTESTINAL DISORDERS</th>
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<tbody>
<tr>
<td>Aspiration Syndrome</td>
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<tr>
<td>Atypical Pneumonia</td>
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<td>Aspiration Pneumonia</td>
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<th>NERVOUS SYSTEM DISORDERS</th>
<th>RHEUMATIC DISEASES</th>
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| | PSYCHOLOGIC DISORDERS |
| | |

| | TOXICOLOGY |
| | |

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Lung Abscess – Click on Respiratory disorders heading

Brain Abscess – Click on Nervous system disorders heading