# Comparison Report for Patient ID: 1

## Document Paths

Report 1: C:/Users/User/OneDrive - National University of Singapore/Desktop/NUS/upip/Synapxe/multi-doc/gemini\_llm/pre\_processing/Processed Data\_attempt2/1/PatientID\_1\_08-7-2015 11-14.docx

Report 2: C:/Users/User/OneDrive - National University of Singapore/Desktop/NUS/upip/Synapxe/multi-doc/gemini\_llm/pre\_processing/Processed Data\_attempt2/1/PatientID\_1\_09-2-2015 15-50.docx

Report 3: C:/Users/User/OneDrive - National University of Singapore/Desktop/NUS/upip/Synapxe/multi-doc/gemini\_llm/pre\_processing/Processed Data\_attempt2/1/PatientID\_1\_10-2-2015 9-52.docx

Report 4: C:/Users/User/OneDrive - National University of Singapore/Desktop/NUS/upip/Synapxe/multi-doc/gemini\_llm/pre\_processing/Processed Data\_attempt2/1/PatientID\_1\_12-2-2015 19-12.docx

## Comparison Results

### Section: Diseases mentioned

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| Category | Report 1 obtained on 2015-07-08 11:14 | Report 2 obtained on 2015-02-09 15:50 | Report 3 obtained on 2015-02-10 09:52 | Report 4 obtained on 2015-02-12 19:12 | Explanation |
| New Development | Atelectasis (minor) in right lower zone and left paracardiac region | Possible subsegmental atelectasis in left lung |  |  | Atelectasis is mentioned in both reports, but the 2015-02-09 report indicates a possible progression to subsegmental atelectasis in the left lung. |
| New Development | None | Consolidation in left lung |  |  | The 2015-02-09 report indicates the presence of consolidation in the left lung, which was not mentioned in the previous report. This suggests a new development. |
| Difference | Heart appears mildly enlarged | Heart size cannot be accurately assessed but appears prominent |  |  | The 2015-02-09 report expresses uncertainty about the heart size, whereas the previous report states a mild enlargement. This could be a difference in reporting style or due to the position of the patient during the X-ray. |
| New Development | None | Right lung is unremarkable |  |  | The 2015-02-09 report specifically mentions the right lung being unremarkable, while the previous report only focused on the left lung and right lower zone. This could be considered a difference in reporting style or detail. |
| New Development | None | Left pleural effusion |  |  | The 2015-02-09 report indicates the presence of left pleural effusion, which was not mentioned in the previous report. This suggests a new development. |
| Difference | Post-sternotomy status | The right central venous line, endotracheal tube, feeding tube, left intercostal drain tube are in situ and projected in satisfactory position. The median sternotomy wires and vascular clips are intact. |  |  | The 2015-02-09 report provides specific details about the placement of various tubes and medical devices, while the 2015-07-08 report only mentions the general post-sternotomy status. This is likely a difference in reporting style or detail. |
| Difference | Minor atelectasis | The heart size cannot be accurately assessed in this projection but appears prominent. |  |  | The 2015-02-09 report expresses uncertainty about the heart size, whereas the previous report mentions mild enlargement. This could be a difference in reporting style or due to the position of the patient during the X-ray. |
| New Development | None | Left pleural effusion noted associated with possible underlying subsegmental atelectasis and consolidation. |  |  | The 2015-02-09 report indicates the presence of left pleural effusion, which was not mentioned in the previous report. This suggests a new development. |
| Difference |  | Atelectasis | NIL |  | The 2015-02-10 report does not specifically mention atelectasis, but the "interval increase in patchy air space shadowing" suggests a possible worsening of atelectasis. |
| Difference |  | Consolidation | NIL |  | The 2015-02-10 report does not specifically mention consolidation, but the "patch of consolidation now seen" in the right para cardiac region suggests a new area of consolidation. |
| Difference |  | Heart size cannot be accurately assessed but appears prominent | Difficult to accurately assess size due to AP projection |  | The 2015-02-10 report acknowledges the limitations of the AP projection, whereas the 2015-02-09 report only mentions the appearance of the heart. |
| New Development |  | Right lung unremarkable | Patch of consolidation seen in the right para cardiac region |  | The 2015-02-10 report identifies a new area of consolidation in the right lung. |
| New Development |  | Left pleural effusion associated with possible underlying subsegmental atelectasis and consolidation | Small left basal effusion present |  | The 2015-02-10 report focuses on the effusion, mentioning it is small and located in the left basal region. |
| New Development |  | NIL | Tip of CVP line projected over distal innominate/proximal superior vena cava |  | The 2015-02-10 report provides information about the positioning of the central venous catheter (CVP) line, which wasn't mentioned in the 2015-02-09 report. |
| New Development |  | NIL | Tip of left chest tube projected over the left mid zone |  | The 2015-02-10 report provides information about the positioning of the left chest tube, which wasn't mentioned in the 2015-02-09 report. |
| New Development |  | Left pleural effusion associated with possible underlying subsegmental atelectasis and consolidation | Interval increase in patchy air space shadowing in the left lung base |  | The 2015-02-10 report mentions a worsening of the air space shadowing in the left lung base compared to the previous film, suggesting a potential worsening of atelectasis. |
| New Development |  |  | Patch of consolidation in the right para cardiac region |  | The 2015-02-10 report identifies a new area of consolidation in the right lung, potentially indicating infection or fluid buildup. |
| Difference |  | Left pleural effusion | Small left basal effusion present |  | The 2015-02-10 report specifies the size and location of the effusion, providing more specific details compared to the 2015-02-09 report. |

### Section: Organs mentioned

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| Difference | Heart appears mildly enlarged | Heart size cannot be accurately assessed but appears prominent |  |  | The 2015-02-09 report expresses uncertainty about the heart size, whereas the previous report states a mild enlargement. This could be a difference in reporting style or due to the position of the patient during the X-ray. |
| New Development | None | Right lung is unremarkable |  |  | The 2015-02-09 report specifically mentions the right lung being unremarkable, while the previous report only focused on the left lung and right lower zone. This could be considered a difference in reporting style or detail. |
| New Development | None | Left pleural effusion |  |  | The 2015-02-09 report indicates the presence of left pleural effusion, which was not mentioned in the previous report. This suggests a new development. |
| Difference | Post-sternotomy status | The right central venous line, endotracheal tube, feeding tube, left intercostal drain tube are in situ and projected in satisfactory position. The median sternotomy wires and vascular clips are intact. |  |  | The 2015-02-09 report provides specific details about the placement of various tubes and medical devices, while the 2015-07-08 report only mentions the general post-sternotomy status. This is likely a difference in reporting style or detail. |
| Difference | Minor atelectasis | The heart size cannot be accurately assessed in this projection but appears prominent. |  |  | The 2015-02-09 report expresses uncertainty about the heart size, whereas the previous report mentions mild enlargement. This could be a difference in reporting style or due to the position of the patient during the X-ray. |
| New Development | None | Left pleural effusion noted associated with possible underlying subsegmental atelectasis and consolidation. |  |  | The 2015-02-09 report indicates the presence of left pleural effusion, which was not mentioned in the previous report. This suggests a new development. |
| Difference |  | Heart size cannot be accurately assessed but appears prominent | Difficult to accurately assess size due to AP projection |  | The 2015-02-10 report acknowledges the limitations of the AP projection, whereas the 2015-02-09 report only mentions the appearance of the heart. |
| New Development |  | Right lung unremarkable | Patch of consolidation seen in the right para cardiac region |  | The 2015-02-10 report identifies a new area of consolidation in the right lung. |
| New Development |  | Left pleural effusion associated with possible underlying subsegmental atelectasis and consolidation | Small left basal effusion present |  | The 2015-02-10 report focuses on the effusion, mentioning it is small and located in the left basal region. |
| New Development |  | NIL | Tip of CVP line projected over distal innominate/proximal superior vena cava |  | The 2015-02-10 report provides information about the positioning of the central venous catheter (CVP) line, which wasn't mentioned in the 2015-02-09 report. |
| New Development |  | NIL | Tip of left chest tube projected over the left mid zone |  | The 2015-02-10 report provides information about the positioning of the left chest tube, which wasn't mentioned in the 2015-02-09 report. |
| New Development |  | Left pleural effusion associated with possible underlying subsegmental atelectasis and consolidation | Interval increase in patchy air space shadowing in the left lung base |  | The 2015-02-10 report mentions a worsening of the air space shadowing in the left lung base compared to the previous film, suggesting a potential worsening of atelectasis. |
| New Development |  |  | Patch of consolidation in the right para cardiac region |  | The 2015-02-10 report identifies a new area of consolidation in the right lung, potentially indicating infection or fluid buildup. |
| Difference |  | Left pleural effusion | Small left basal effusion present |  | The 2015-02-10 report specifies the size and location of the effusion, providing more specific details compared to the 2015-02-09 report. |

### Section: Symptoms/phenomena of concern

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| Difference | Minor atelectasis | The heart size cannot be accurately assessed in this projection but appears prominent. |  |  | The 2015-02-09 report expresses uncertainty about the heart size, whereas the previous report mentions mild enlargement. This could be a difference in reporting style or due to the position of the patient during the X-ray. |
| New Development | None | Left pleural effusion noted associated with possible underlying subsegmental atelectasis and consolidation. |  |  | The 2015-02-09 report indicates the presence of left pleural effusion, which was not mentioned in the previous report. This suggests a new development. |
| New Development |  | Left pleural effusion associated with possible underlying subsegmental atelectasis and consolidation | Interval increase in patchy air space shadowing in the left lung base |  | The 2015-02-10 report mentions a worsening of the air space shadowing in the left lung base compared to the previous film, suggesting a potential worsening of atelectasis. |
| New Development |  |  | Patch of consolidation in the right para cardiac region |  | The 2015-02-10 report identifies a new area of consolidation in the right lung, potentially indicating infection or fluid buildup. |
| Difference |  | Left pleural effusion | Small left basal effusion present |  | The 2015-02-10 report specifies the size and location of the effusion, providing more specific details compared to the 2015-02-09 report. |