# 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

## Comparison Results

### Section: diseases

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| Category | Report 1 obtained on 2015-07-08 11:14:00 | Report 2 obtained on 2015-02-09 15:50:00 | Report 3 obtained on 2015-02-10 09:52:00 | Explanation |
| New Development | Atelectasis (Minor) | Atelectasis (Possible underlying subsegmental) | The 2015-02-09 report mentions "possible underlying subsegmental atelectasis" in the left lung, while the 2015-07-08 report only mentions "minor atelectasis" in the right lower zone and left paracardiac region. This suggests a possible progression or development of atelectasis in the left lung. | The 2015-02-09 report mentions "possible underlying subsegmental atelectasis" in the left lung, while the 2015-07-08 report only mentions "minor atelectasis" in the right lower zone and left paracardiac region. This suggests a possible progression or development of atelectasis in the left lung. |
| New Development | None | Consolidation | The 2015-02-09 report mentions "consolidation" in the left lung, which was not present in the 2015-07-08 report. This suggests a new development or a progression of an existing condition in the left lung. | The 2015-02-09 report mentions "consolidation" in the left lung, which was not present in the 2015-07-08 report. This suggests a new development or a progression of an existing condition in the left lung. |
| Difference | Heart (mildly enlarged) | Heart (size cannot be accurately assessed but appears prominent) | The 2015-02-09 report provides a more detailed description of the heart size assessment, noting that it "cannot be accurately assessed in this projection but appears prominent." While the 2015-07-08 report mentions "mildly enlarged heart," the 2015-02-09 report suggests a possible technical variation in the assessment. | The 2015-02-09 report provides a more detailed description of the heart size assessment, noting that it "cannot be accurately assessed in this projection but appears prominent." While the 2015-07-08 report mentions "mildly enlarged heart," the 2015-02-09 report suggests a possible technical variation in the assessment. |
| New Development | Pleura (no effusion mentioned) | Pleura (left pleural effusion noted) | The 2015-02-09 report mentions "small left pleural effusion," which was not present in the 2015-07-08 report. This suggests a new development of fluid accumulation in the left pleural space. | The 2015-02-09 report mentions "small left pleural effusion," which was not present in the 2015-07-08 report. This suggests a new development of fluid accumulation in the left pleural space. |
| Difference | Lungs (minor atelectasis in right lower zone and left paracardiac region) | Lungs (right lung unremarkable, left lung with possible atelectasis and consolidation) | The 2015-02-09 report provides a more detailed description of the lung findings, specifying the right lung as "unremarkable" and the left lung showing possible atelectasis and consolidation. The 2015-07-08 report only mentioned atelectasis in the right lower zone and left paracardiac region. This indicates a difference in reporting style and a more detailed examination in the 2015-02-09 report. | The 2015-02-09 report provides a more detailed description of the lung findings, specifying the right lung as "unremarkable" and the left lung showing possible atelectasis and consolidation. The 2015-07-08 report only mentioned atelectasis in the right lower zone and left paracardiac region. This indicates a difference in reporting style and a more detailed examination in the 2015-02-09 report. |
| New Development | None | Right central venous line, endotracheal tube, feeding tube, left intercostal drain tube are in situ and projected in satisfactory position | The 2015-02-09 report mentions the presence and position of various tubes inserted during surgery, indicating a post-operative status. This information was not mentioned in the 2015-07-08 report. | The 2015-02-09 report mentions the presence and position of various tubes inserted during surgery, indicating a post-operative status. This information was not mentioned in the 2015-07-08 report. |
| New Development | None | Median sternotomy wires and vascular clips are intact | The 2015-02-09 report notes the status of surgical wires and clips, indicating a post-operative observation. This information was not mentioned in the 2015-07-08 report. | The 2015-02-09 report notes the status of surgical wires and clips, indicating a post-operative observation. This information was not mentioned in the 2015-07-08 report. |
| New Development | None | Small left pleural effusion associated with possible underlying subsegmental atelectasis and consolidation | The 2015-02-09 report mentions a "small left pleural effusion" associated with possible underlying subsegmental atelectasis and consolidation, which was not present in the 2015-07-08 report. This indicates a new development of fluid accumulation and associated possible lung pathology. | The 2015-02-09 report mentions a "small left pleural effusion" associated with possible underlying subsegmental atelectasis and consolidation, which was not present in the 2015-07-08 report. This indicates a new development of fluid accumulation and associated possible lung pathology. |
| Difference | Post-sternotomy status | Post op report | The 2015-07-08 report mentions "Post sternotomy status" while the 2015-02-09 report uses "Post op report". This is a difference in reporting style. | The 2015-07-08 report mentions "Post sternotomy status" while the 2015-02-09 report uses "Post op report". This is a difference in reporting style. |

### Section: organs

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| Category | Report 1 obtained on 2015-07-08 11:14:00 | Report 2 obtained on 2015-02-09 15:50:00 | Report 3 obtained on 2015-02-10 09:52:00 | Explanation |
| Difference | Heart (mildly enlarged) | Heart (size cannot be accurately assessed but appears prominent) | The 2015-02-09 report provides a more detailed description of the heart size assessment, noting that it "cannot be accurately assessed in this projection but appears prominent." While the 2015-07-08 report mentions "mildly enlarged heart," the 2015-02-09 report suggests a possible technical variation in the assessment. | The 2015-02-09 report provides a more detailed description of the heart size assessment, noting that it "cannot be accurately assessed in this projection but appears prominent." While the 2015-07-08 report mentions "mildly enlarged heart," the 2015-02-09 report suggests a possible technical variation in the assessment. |
| New Development | Pleura (no effusion mentioned) | Pleura (left pleural effusion noted) | The 2015-02-09 report mentions "small left pleural effusion," which was not present in the 2015-07-08 report. This suggests a new development of fluid accumulation in the left pleural space. | The 2015-02-09 report mentions "small left pleural effusion," which was not present in the 2015-07-08 report. This suggests a new development of fluid accumulation in the left pleural space. |
| Difference | Lungs (minor atelectasis in right lower zone and left paracardiac region) | Lungs (right lung unremarkable, left lung with possible atelectasis and consolidation) | The 2015-02-09 report provides a more detailed description of the lung findings, specifying the right lung as "unremarkable" and the left lung showing possible atelectasis and consolidation. The 2015-07-08 report only mentioned atelectasis in the right lower zone and left paracardiac region. This indicates a difference in reporting style and a more detailed examination in the 2015-02-09 report. | The 2015-02-09 report provides a more detailed description of the lung findings, specifying the right lung as "unremarkable" and the left lung showing possible atelectasis and consolidation. The 2015-07-08 report only mentioned atelectasis in the right lower zone and left paracardiac region. This indicates a difference in reporting style and a more detailed examination in the 2015-02-09 report. |
| New Development | None | Right central venous line, endotracheal tube, feeding tube, left intercostal drain tube are in situ and projected in satisfactory position | The 2015-02-09 report mentions the presence and position of various tubes inserted during surgery, indicating a post-operative status. This information was not mentioned in the 2015-07-08 report. | The 2015-02-09 report mentions the presence and position of various tubes inserted during surgery, indicating a post-operative status. This information was not mentioned in the 2015-07-08 report. |
| New Development | None | Median sternotomy wires and vascular clips are intact | The 2015-02-09 report notes the status of surgical wires and clips, indicating a post-operative observation. This information was not mentioned in the 2015-07-08 report. | The 2015-02-09 report notes the status of surgical wires and clips, indicating a post-operative observation. This information was not mentioned in the 2015-07-08 report. |
| New Development | None | Small left pleural effusion associated with possible underlying subsegmental atelectasis and consolidation | The 2015-02-09 report mentions a "small left pleural effusion" associated with possible underlying subsegmental atelectasis and consolidation, which was not present in the 2015-07-08 report. This indicates a new development of fluid accumulation and associated possible lung pathology. | The 2015-02-09 report mentions a "small left pleural effusion" associated with possible underlying subsegmental atelectasis and consolidation, which was not present in the 2015-07-08 report. This indicates a new development of fluid accumulation and associated possible lung pathology. |
| Difference | Post-sternotomy status | Post op report | The 2015-07-08 report mentions "Post sternotomy status" while the 2015-02-09 report uses "Post op report". This is a difference in reporting style. | The 2015-07-08 report mentions "Post sternotomy status" while the 2015-02-09 report uses "Post op report". This is a difference in reporting style. |

### Section: symptoms

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| Category | Report 1 obtained on 2015-07-08 11:14:00 | Report 2 obtained on 2015-02-09 15:50:00 | Report 3 obtained on 2015-02-10 09:52:00 | Explanation |
| New Development | None | Right central venous line, endotracheal tube, feeding tube, left intercostal drain tube are in situ and projected in satisfactory position | The 2015-02-09 report mentions the presence and position of various tubes inserted during surgery, indicating a post-operative status. This information was not mentioned in the 2015-07-08 report. | The 2015-02-09 report mentions the presence and position of various tubes inserted during surgery, indicating a post-operative status. This information was not mentioned in the 2015-07-08 report. |
| New Development | None | Median sternotomy wires and vascular clips are intact | The 2015-02-09 report notes the status of surgical wires and clips, indicating a post-operative observation. This information was not mentioned in the 2015-07-08 report. | The 2015-02-09 report notes the status of surgical wires and clips, indicating a post-operative observation. This information was not mentioned in the 2015-07-08 report. |
| New Development | None | Small left pleural effusion associated with possible underlying subsegmental atelectasis and consolidation | The 2015-02-09 report mentions a "small left pleural effusion" associated with possible underlying subsegmental atelectasis and consolidation, which was not present in the 2015-07-08 report. This indicates a new development of fluid accumulation and associated possible lung pathology. | The 2015-02-09 report mentions a "small left pleural effusion" associated with possible underlying subsegmental atelectasis and consolidation, which was not present in the 2015-07-08 report. This indicates a new development of fluid accumulation and associated possible lung pathology. |
| Difference | Post-sternotomy status | Post op report | The 2015-07-08 report mentions "Post sternotomy status" while the 2015-02-09 report uses "Post op report". This is a difference in reporting style. | The 2015-07-08 report mentions "Post sternotomy status" while the 2015-02-09 report uses "Post op report". This is a difference in reporting style. |

### Section: diseases

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| --- | --- | --- | --- | --- |
| Category | Report 1 obtained on 2015-07-08 11:14:00 | Report 2 obtained on 2015-02-09 15:50:00 | Report 3 obtained on 2015-02-10 09:52:00 | Explanation |
| New Development | Atelectasis | NIL | The 2015-02-10 report does not mention atelectasis specifically. | The 2015-02-10 report does not mention atelectasis specifically. |
| New Development | Consolidation | NIL | Similarly, the 2015-02-10 report does not explicitly mention consolidation. | Similarly, the 2015-02-10 report does not explicitly mention consolidation. |
| Difference | NIL | NIL | The 2015-02-10 report does not mention any specific diseases. | The 2015-02-10 report does not mention any specific diseases. |
| New Development | NIL | Right para cardiac region | This region of the right lung was not mentioned in the 2015-02-09 report. This may indicate a new area of involvement or a change in reporting style. | This region of the right lung was not mentioned in the 2015-02-09 report. This may indicate a new area of involvement or a change in reporting style. |
| New Development | NIL | Distal innominate/proximal superior vena cava | This vascular structure was not mentioned in the 2015-02-09 report. | This vascular structure was not mentioned in the 2015-02-09 report. |
| New Development | NIL | Left mid zone | This region of the left lung was not mentioned in the 2015-02-09 report. | This region of the left lung was not mentioned in the 2015-02-09 report. |
| Difference | Heart size cannot be accurately assessed | Heart size difficult to assess due to AP projection | The 2015-02-10 report acknowledges the difficulty in assessing heart size due to the AP projection, while the 2015-02-09 report simply states it cannot be accurately assessed. | The 2015-02-10 report acknowledges the difficulty in assessing heart size due to the AP projection, while the 2015-02-09 report simply states it cannot be accurately assessed. |
| Difference | Right Lung unremarkable | NIL | The 2015-02-10 report does not specifically mention the right lung. | The 2015-02-10 report does not specifically mention the right lung. |
| Difference | Left pleural effusion | Small left basal effusion present | The term "basal" in the 2015-02-10 report provides a more specific location for the effusion. | The term "basal" in the 2015-02-10 report provides a more specific location for the effusion. |
| New Development | NIL | Interval increase in patchy air space shadowing in the left lung base | This finding represents a new development, indicating potential worsening of a previous condition in the left lung base. | This finding represents a new development, indicating potential worsening of a previous condition in the left lung base. |
| New Development | NIL | Patch of consolidation in the right para cardiac region | This indicates a new area of consolidation in the right lung, not mentioned in the previous report. | This indicates a new area of consolidation in the right lung, not mentioned in the previous report. |
| Difference | Left pleural effusion | Small left basal effusion present | The term "basal" provides a more specific location for the effusion, suggesting it is more localized at the base of the left lung compared to the previous report. | The term "basal" provides a more specific location for the effusion, suggesting it is more localized at the base of the left lung compared to the previous report. |
| Difference | Possible underlying subsegmental atelectasis and consolidation | The 2015-02-10 report does not mention atelectasis and consolidation explicitly, but instead focuses on the new finding of interval increase in patchy air space shadowing. | The 2015-02-10 report appears to describe the same phenomenon as the previous report but uses different terminology, likely due to a change in reporting style. | The 2015-02-10 report appears to describe the same phenomenon as the previous report but uses different terminology, likely due to a change in reporting style. |
| Difference | Prominent heart | NIL | The 2015-02-10 report does not mention any specific observations regarding the heart size, instead focusing on the new findings in the lungs. | The 2015-02-10 report does not mention any specific observations regarding the heart size, instead focusing on the new findings in the lungs. |
| Difference | NIL | No overt pneumothorax | This information regarding pneumothorax is not present in the 2015-02-09 report. | This information regarding pneumothorax is not present in the 2015-02-09 report. |

### Section: organs

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| --- | --- | --- | --- | --- |
| Category | Report 1 obtained on 2015-07-08 11:14:00 | Report 2 obtained on 2015-02-09 15:50:00 | Report 3 obtained on 2015-02-10 09:52:00 | Explanation |
| New Development | NIL | Right para cardiac region | This region of the right lung was not mentioned in the 2015-02-09 report. This may indicate a new area of involvement or a change in reporting style. | This region of the right lung was not mentioned in the 2015-02-09 report. This may indicate a new area of involvement or a change in reporting style. |
| New Development | NIL | Distal innominate/proximal superior vena cava | This vascular structure was not mentioned in the 2015-02-09 report. | This vascular structure was not mentioned in the 2015-02-09 report. |
| New Development | NIL | Left mid zone | This region of the left lung was not mentioned in the 2015-02-09 report. | This region of the left lung was not mentioned in the 2015-02-09 report. |
| Difference | Heart size cannot be accurately assessed | Heart size difficult to assess due to AP projection | The 2015-02-10 report acknowledges the difficulty in assessing heart size due to the AP projection, while the 2015-02-09 report simply states it cannot be accurately assessed. | The 2015-02-10 report acknowledges the difficulty in assessing heart size due to the AP projection, while the 2015-02-09 report simply states it cannot be accurately assessed. |
| Difference | Right Lung unremarkable | NIL | The 2015-02-10 report does not specifically mention the right lung. | The 2015-02-10 report does not specifically mention the right lung. |
| Difference | Left pleural effusion | Small left basal effusion present | The term "basal" in the 2015-02-10 report provides a more specific location for the effusion. | The term "basal" in the 2015-02-10 report provides a more specific location for the effusion. |
| New Development | NIL | Interval increase in patchy air space shadowing in the left lung base | This finding represents a new development, indicating potential worsening of a previous condition in the left lung base. | This finding represents a new development, indicating potential worsening of a previous condition in the left lung base. |
| New Development | NIL | Patch of consolidation in the right para cardiac region | This indicates a new area of consolidation in the right lung, not mentioned in the previous report. | This indicates a new area of consolidation in the right lung, not mentioned in the previous report. |
| Difference | Left pleural effusion | Small left basal effusion present | The term "basal" provides a more specific location for the effusion, suggesting it is more localized at the base of the left lung compared to the previous report. | The term "basal" provides a more specific location for the effusion, suggesting it is more localized at the base of the left lung compared to the previous report. |
| Difference | Possible underlying subsegmental atelectasis and consolidation | The 2015-02-10 report does not mention atelectasis and consolidation explicitly, but instead focuses on the new finding of interval increase in patchy air space shadowing. | The 2015-02-10 report appears to describe the same phenomenon as the previous report but uses different terminology, likely due to a change in reporting style. | The 2015-02-10 report appears to describe the same phenomenon as the previous report but uses different terminology, likely due to a change in reporting style. |
| Difference | Prominent heart | NIL | The 2015-02-10 report does not mention any specific observations regarding the heart size, instead focusing on the new findings in the lungs. | The 2015-02-10 report does not mention any specific observations regarding the heart size, instead focusing on the new findings in the lungs. |
| Difference | NIL | No overt pneumothorax | This information regarding pneumothorax is not present in the 2015-02-09 report. | This information regarding pneumothorax is not present in the 2015-02-09 report. |

### Section: symptoms

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| --- | --- | --- | --- | --- |
| Category | Report 1 obtained on 2015-07-08 11:14:00 | Report 2 obtained on 2015-02-09 15:50:00 | Report 3 obtained on 2015-02-10 09:52:00 | Explanation |
| New Development | NIL | Interval increase in patchy air space shadowing in the left lung base | This finding represents a new development, indicating potential worsening of a previous condition in the left lung base. | This finding represents a new development, indicating potential worsening of a previous condition in the left lung base. |
| New Development | NIL | Patch of consolidation in the right para cardiac region | This indicates a new area of consolidation in the right lung, not mentioned in the previous report. | This indicates a new area of consolidation in the right lung, not mentioned in the previous report. |
| Difference | Left pleural effusion | Small left basal effusion present | The term "basal" provides a more specific location for the effusion, suggesting it is more localized at the base of the left lung compared to the previous report. | The term "basal" provides a more specific location for the effusion, suggesting it is more localized at the base of the left lung compared to the previous report. |
| Difference | Possible underlying subsegmental atelectasis and consolidation | The 2015-02-10 report does not mention atelectasis and consolidation explicitly, but instead focuses on the new finding of interval increase in patchy air space shadowing. | The 2015-02-10 report appears to describe the same phenomenon as the previous report but uses different terminology, likely due to a change in reporting style. | The 2015-02-10 report appears to describe the same phenomenon as the previous report but uses different terminology, likely due to a change in reporting style. |
| Difference | Prominent heart | NIL | The 2015-02-10 report does not mention any specific observations regarding the heart size, instead focusing on the new findings in the lungs. | The 2015-02-10 report does not mention any specific observations regarding the heart size, instead focusing on the new findings in the lungs. |
| Difference | NIL | No overt pneumothorax | This information regarding pneumothorax is not present in the 2015-02-09 report. | This information regarding pneumothorax is not present in the 2015-02-09 report. |