# Post Course Practical Submission

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| **Student Name:** |  |
| **Date of Birth:** |  |
| **Date of course attendance:** |  |
| **Submission Date:** |  |
|  |  |

**Instructions**

Submit 10 De-identified spirometry results from a subject you have measured

Submissions must be received 1 month after your course date unless an extension is granted. An extension can be granted by contacting the trainer via the email address below.

For each trial attempted supply graphical presentation of each of the trials performed: –

* **Volume time graph**
* **Flow volume** **curve**

Use snipping tool on your computer to provide the information as listed and seen in the examples below: -

* Data for all trials attempted (at least FEV1/ FVC, FEV1, FVC, FIVC, PEF)
* Loops and curves for all trials attempted
* Comments about test acceptability and repeatability.
* Final report showing best three loops and data for best three tests. This report should also include your technical comment and interpretation of results.

**Following completion please upload to the online portal as indicated in the screen shot below.**

**Should you have any questions please email** **spirometry@kinnecttraining.com.au** **and**

**Feedback will be provided for the submission by your trainer/assessor. This feedback will be received via the LMS portal**

**HOW TO UPLOAD YOUR ASSIGNMENT**

The post course submission form can be downloaded in the Post course assignment page – perform 10 spirometry tests



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| **PLEASE ALSO UPLOAD A SCREEN SHOT OF THE FULL REPORT INCLUDING THE BEST THREE LOOPS AND DATA** **FOR THE BEST THREE TESTS SUCH AS SHOWN IN THE REPORT BELOW** |

**Assessment 1**

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| --- |
| **Parameters and Results** (paste screen shot below or attach to document) |
|  |
| **Flow Volume Loops Graph** (paste screen shot below or attach to document) **Please include your test comment in this screenshot** | **Volume Time Graph** (paste screen shot below or attach to document) |
|  |  |
| **Please attach a screen shot of the full report showing the best three loops selected and data for the best three tests.** |  |
|  |  |

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| --- | --- |
| **Question 1** Was a linearity calibration check completed prior to the test? |  |
| Yes [ ]  | No [ ]  |  |

|  |  |
| --- | --- |
| **Question 2** Were the subject demographics entered correctly?Have you entered height to the nearest mm? If you selected an ethnicity other than Caucasian. Please document which category* Southeast Asian
* Northeast Asian
* Black
* Other
 |  |
| Yes [ ]  | No [ ]  | Why? |

|  |  |
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| **Question 3**Do the following trials (1-8) meet ATS/ERS acceptability criteria?Select acceptable, unacceptable (note error) or usable**ERRORS:** * **Hesitation, slow start**
* **Premature stop**
* **Submaximal inspiration (FIVC> 5% than FVC),**
* **Submaximal expiration (poor PEF)**
* **Extra breath**
* **Cough, flow interruption**

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| **Trial 1** Acceptable [ ]   | Not Acceptable [ ] Error seen: | Usable [ ]  |  |
| **Trial 2** Acceptable [ ]  | Not acceptable [ ] Error seen: | Usable [ ]  |
| **Trial 3** Acceptable [ ]  | Not acceptable [ ] Error seen: | Usable [ ]  |
| **Trial 4** Acceptable [ ]  | Not acceptable [ ]  Error seen:  | Usable [ ]  |
| **Trial 5** Acceptable [ ]  | Not acceptable [ ] Error seen: | Usable [ ]  |
| **Trial 6** Acceptable [ ]  | Not acceptable [ ] Error seen: | Usable [ ]  |
| **Trial 7** Acceptable [ ]  | Not acceptable [ ] Error seen: | Usable [ ]  |
| **Trial 8** Acceptable [ ]  | Not acceptable [ ] Error seen: | Usable [ ]  |
| **IF POST TRIALS ATTEMPTED** | ***Complete as per pre-BD section*** |  |  |
| **Trial 1** Acceptable [ ]   | Not Acceptable [ ] Error seen: | Usable [ ]  |  |
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| **Question 4**Did the subject achieve 3 technically acceptable trials?If you document yes here and there were not 3 acceptable trials, this will result in a failure, and requirement to submit an additional assessment |  |
| Yes [ ]  | No [ ]  |  |

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| **Question 5**Does FEV1 meet ATS/ERS repeatability criteria? What was the difference between the two largest? |  |
| Yes [ ]  | No [ ]  |  |

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| **Question 6**Does FVC meet ATS/ERS repeatability criteria? What was the difference between the two largest? |  |
| Yes [ ]  | No [ ]  |  |

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| **Question 7**Has an appropriate technical comment been entered on the report? If you cannot see the comment in the screenshot above, please type here or add screen shot in this section |  |
| Yes [ ]  | No [ ]  |  |

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| **Question 8**If not normal, select which pattern is present. (Obstructive, Restrictive, or Mixed or non-specific).  **Obstruction** FEV1/FVC ratio <LLN and FEV1<LLN**Restriction** FVC<LLN sometimes with FEV1/FVC ratio normal ORFEV1/FVC >LLN**Mixed** FEV1/FVC <LLN and FEV1 <LLN and FVC <LLN**Non-Specific patterns**FEV1/FVC ratio <LLN only with a normal FEV1FVC or FEV1<LLN but the FEV1/FVC ratio is normal(this pattern does not follow other patterns rules) |  |
| Obstruction [ ]  | Restriction [ ]  | Mixed[ ]  | Non-Specific[ ]  |
| **Z score Classification** FEV1 z score is used to grade obstruction. Restriction is classified more accurately using lung volumes.-**1.65 – - 2.5 = Mild** [ ] **-2.5 – - 4.0 = Moderate** [ ] **> - 4.0 = Severe** [ ]  |  |

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| **Question 9****If post bd spirometry was performed provide details on the bronchodilator response. Was it significant? – tick yes or no**If yes, was there a significant improvement following bronchodilator? **A change of >10% is considered a significant BDR response** in line with the 2022 ERS / ATS interpretative standards for lung function testing.**POST BD VALUE -PRE BD VALUE x100/ PREDICTED GLI VALUE**  | **Overall Mark:**[ ] **Pass** [ ] **Fail**[ ] **Needs Review** |
| Yes [ ]  | No [ ]  | If yes, a significant improvement was noted in - FEV1 by \_\_\_\_\_\_\_\_\_\_\_%FVC by \_\_\_\_\_\_\_\_\_\_\_% |

**Assessment 2**

|  |
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| **Parameters and Results** (paste screen shot below or attach to document) |
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| **Flow Volume Loops Graph** (paste screen shot below or attach to document) **Please include your test comment in this screenshot** | **Volume Time Graph** (paste screen shot below or attach to document) |
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| Yes [ ]  | No [ ]  | Why? |

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| Yes [ ]  | No [ ]  | If Yes, a significant improvement was noted in - FEV1 by \_\_\_\_\_\_\_\_\_\_\_%FVC by \_\_\_\_\_\_\_\_\_\_\_% |

**Assessment 3**

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| Yes [ ]  | No [ ]  |  |

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| **Question 5**Does FEV1 meet ATS/ERS repeatability criteria? What was the difference between the two largest? |  |
| Yes [ ]  | No [ ]  |  |

|  |  |
| --- | --- |
| **Question 6**Does FVC meet ATS/ERS repeatability criteria? What was the difference between the two largest? |  |
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| Yes [ ]  | No [ ]  | If yes, a significant improvement was noted in - FEV1 by \_\_\_\_\_\_\_\_\_\_\_%FVC by \_\_\_\_\_\_\_\_\_\_\_% |

**Assessment 4**

|  |
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| **Parameters and Results** (paste screen shot below or attach to document) |
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| **Question 1** Was a linearity calibration check completed prior to the test? |  |
| Yes [ ]  | No [ ]  |  |

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* Black
* Other
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| Yes [ ]  | No [ ]  | Why? |

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| **Trial 3** Acceptable [ ]  | Not acceptable [ ] Error seen: | Usable [ ]  |
| **Trial 4** Acceptable [ ]  | Not acceptable [ ]  Error seen:  | Usable [ ]  |
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| Yes [ ]  | No [ ]  |  |

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| **Question 5**Does FEV1 meet ATS/ERS repeatability criteria? What was the difference between the two largest? |  |
| Yes [ ]  | No [ ]  |  |

|  |  |
| --- | --- |
| **Question 6**Does FVC meet ATS/ERS repeatability criteria? What was the difference between the two largest? |  |
| Yes [ ]  | No [ ]  |  |

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**Assessment 5**

|  |
| --- |
| **Parameters and Results** (paste screen shot below or attach to document) |
|  |
| **Flow Volume Loops Graph** (paste screen shot below or attach to document) **Please include your test comment in this screenshot** | **Volume Time Graph** (paste screen shot below or attach to document) |
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| **Question 1** Was a linearity calibration check completed prior to the test? |  |
| Yes [ ]  | No [ ]  |  |

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| **Question 2** Were the subject demographics entered correctly?Have you entered height to the nearest mm? If you selected an ethnicity other than Caucasian. Please document which category* Southeast Asian
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| Yes [ ]  | No [ ]  | Why? |

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| **Question 4**Did the subject achieve 3 technically acceptable trials?If you document yes here and there were not 3 acceptable trials, this will result in a failure, and requirement to submit an additional assessment |  |
| Yes [ ]  | No [ ]  |  |

|  |  |
| --- | --- |
| **Question 5**Does FEV1 meet ATS/ERS repeatability criteria? What was the difference between the two largest? |  |
| Yes [ ]  | No [ ]  |  |

|  |  |
| --- | --- |
| **Question 6**Does FVC meet ATS/ERS repeatability criteria? What was the difference between the two largest? |  |
| Yes [ ]  | No [ ]  |  |

|  |  |
| --- | --- |
| **Question 7**Has an appropriate technical comment been entered on the report? If you cannot see the comment in the screenshot above, please type here or add screen shot in this section |  |
| Yes [ ]  | No [ ]  |  |

|  |  |
| --- | --- |
| **Question 8**If not normal, select which pattern is present. (Obstructive, Restrictive, or Mixed or non-specific).  **Obstruction** FEV1/FVC ratio <LLN and FEV1<LLN**Restriction** FVC<LLN sometimes with FEV1/FVC ratio normal ORFEV1/FVC >LLN**Mixed** FEV1/FVC <LLN and FEV1 <LLN and FVC <LLN**Non-Specific patterns**FEV1/FVC ratio <LLN only with a normal FEV1FVC or FEV1<LLN but the FEV1/FVC ratio is normal(this pattern does not follow other patterns rules) |  |
| Obstruction [ ]  | Restriction [ ]  | Mixed[ ]  | Non-Specific[ ]  |
| **Z score Classification** FEV1 z score is used to grade obstruction. Restriction is classified more accurately using lung volumes.-**1.65 – - 2.5 = Mild** [ ] **-2.5 – - 4.0 = Moderate** [ ] **> - 4.0 = Severe** [ ]  |  |

|  |  |
| --- | --- |
| **Question 9****If post bd spirometry was performed provide details on the bronchodilator response. Was it significant – tick yes or no**If yes, was there a significant improvement following bronchodilator? **A change of >10% is considered a significant BDR response** in line with the 2022 ERS / ATS interpretative standards for lung function testing.**POST BD VALUE -PRE BD VALUE x100/ PREDICTED GLI VALUE**  | **Overall Mark:**[ ] **Pass** [ ] **Fail**[ ] **Needs Review** |

**Assessment 6**

|  |
| --- |
| **Parameters and Results** (paste screen shot below or attach to document) |
|  |
| **Flow Volume Loops Graph** (paste screen shot below or attach to document) **Please include your test comment in this screenshot** | **Volume Time Graph** (paste screen shot below or attach to document) |
|  |  |
| **Please attach a screenshot of the full report showing the best three loops selected and data for the best three tests.** |  |
|  |  |

|  |  |
| --- | --- |
| **Question 1** Was a linearity calibration check completed prior to the test? |  |
| Yes [ ]  | No [ ]  |  |

|  |  |
| --- | --- |
| **Question 2** Were the subject demographics entered correctly?Have you entered height to the nearest mm? If you selected an ethnicity other than Caucasian. Please document which category* Southeast Asian
* Northeast Asian
* Black
* Other
 |  |
| Yes [ ]  | No [ ]  | Why? |

|  |  |
| --- | --- |
| **Question 3**Do the following trials (1-8) meet ATS/ERS acceptability criteria?Select acceptable, unacceptable (note error) or usable.**ERRORS:** * **Hesitation, slow start**
* **Premature stop**
* **Submaximal inspiration (FIVC> 5% than FVC)**
* **Submaximal expiration (poor PEF)**
* **Extra breath**
* **Cough, flow interruption**

Where trials were unacceptable, document what error(s) was identified.If a trial has a FIVC greater than 5% larger than the FVC this makes the trial usable. Consultant should be coaching the applicant to improve their FVC in this instance as we know that they are capable. This ensures we are getting highly accurate information. These trials should ONLY be used if there are NO better trials available. |  |
| **Trial 1** Acceptable [ ]   | Not Acceptable [ ] Error seen: | Usable [ ]  |  |
| **Trial 2** Acceptable [ ]  | Not acceptable [ ] Error seen: | Usable [ ]  |
| **Trial 3** Acceptable [ ]  | Not acceptable [ ] Error seen: | Usable [ ]  |
| **Trial 4** Acceptable [ ]  | Not acceptable [ ]  Error seen:  | Usable [ ]  |
| **Trial 5** Acceptable [ ]  | Not acceptable [ ] Error seen: | Usable [ ]  |
| **Trial 6** Acceptable [ ]  | Not acceptable [ ] Error seen: | Usable [ ]  |
| **Trial 7** Acceptable [ ]  | Not acceptable [ ] Error seen: | Usable [ ]  |
| **Trial 8** Acceptable [ ]  | Not acceptable [ ] Error seen: | Usable [ ]  |
| **IF POST TRIALS ATTEMPTED** | ***Complete as per pre-BD section*** |  |  |
| **Trial 1** Acceptable [ ]   | Not Acceptable [ ] Error seen: | Usable [ ]  |  |
| **Trial 2** Acceptable [ ]  | Not acceptable [ ] Error seen: | Usable [ ]  |  |
| **Trial 3** Acceptable [ ]  | Not acceptable [ ] Error seen: | Usable [ ]  |  |
| **Trial 4** Acceptable [ ]  | Not acceptable [ ]  Error seen:  | Usable [ ]  |  |
| **Trial 5** Acceptable [ ]  | Not acceptable [ ] Error seen: | Usable [ ]  |  |
| **Trial 6** Acceptable [ ]  | Not acceptable [ ] Error seen: | Usable [ ]  |  |
| **Trial 7** Acceptable [ ]  | Not acceptable [ ] Error seen: | Usable [ ]  |  |
| **Trial 8** Acceptable [ ]  | Not acceptable [ ] Error seen: | Usable [ ]  |  |

|  |  |
| --- | --- |
| **Question 4**Did the subject achieve 3 technically acceptable trials?If you document yes here and there were not 3 acceptable trials, this will result in a failure, and requirement to submit an additional assessment |  |
| Yes [ ]  | No [ ]  |  |

|  |  |
| --- | --- |
| **Question 5**Does FEV1 meet ATS/ERS repeatability criteria? What was the difference between the two largest? |  |
| Yes [ ]  | No [ ]  |  |

|  |  |
| --- | --- |
| **Question 6**Does FVC meet ATS/ERS repeatability criteria? What was the difference between the two largest? |  |
| Yes [ ]  | No [ ]  |  |

|  |  |
| --- | --- |
| **Question 7**Has an appropriate technical comment been entered on the report? If you cannot see the comment in the screenshot above, please type here or add screen shot in this section |  |
| Yes [ ]  | No [ ]  |  |

|  |  |
| --- | --- |
| **Question 8**If not normal, select which pattern is present. (Obstructive, Restrictive, or Mixed or non-specific).  **Obstruction** FEV1/FVC ratio <LLN and FEV1<LLN**Restriction** FVC<LLN sometimes with FEV1/FVC ratio normal ORFEV1/FVC >LLN**Mixed** FEV1/FVC <LLN and FEV1 <LLN and FVC <LLN**Non-Specific patterns**FEV1/FVC ratio <LLN only with a normal FEV1FVC or FEV1<LLN but the FEV1/FVC ratio is normal(this pattern does not follow other patterns rules) |  |
| Obstruction [ ]  | Restriction [ ]  | Mixed[ ]  | Non-Specific[ ]  |
| **Z score Classification** FEV1 z score is used to grade obstruction. Restriction is classified more accurately using lung volumes.-**1.65 – - 2.5 = Mild** [ ] **-2.5 – - 4.0 = Moderate** [ ] **> - 4.0 = Severe** [ ]  |  |

|  |  |
| --- | --- |
| **Question 9****If post bd spirometry was performed provide details on the bronchodilator response. Was it significant – tick yes or no**If yes, was there a significant improvement following bronchodilator? **A change of >10% is considered a significant BDR response** in line with the 2022 ERS / ATS interpretative standards for lung function testing.**POST BD VALUE -PRE BD VALUE x100/ PREDICTED GLI VALUE**  | **Overall Mark:**[ ] **Pass** [ ] **Fail**[ ] **Needs Review** |

**Assessment 7**

|  |
| --- |
| **Parameters and Results** (paste screen shot below or attach to document) |
|  |
| **Flow Volume Loops Graph** (paste screen shot below or attach to document) **Please include your test comment in this screenshot** | **Volume Time Graph** (paste screen shot below or attach to document) |
|  |  |
| **Please attach a screenshot of the full report showing the best three loops selected and data for the best three tests.** |  |
|  |  |

|  |  |
| --- | --- |
| **Question 1** Was a linearity calibration check completed prior to the test? |  |
| Yes [ ]  | No [ ]  |  |

|  |  |
| --- | --- |
| **Question 2** Were the subject demographics entered correctly?Have you entered height to the nearest mm? If you selected an ethnicity other than Caucasian. Please document which category* Southeast Asian
* Northeast Asian
* Black
* Other
 |  |
| Yes [ ]  | No [ ]  | Why? |

|  |  |
| --- | --- |
| **Question 3**Do the following trials (1-8) meet ATS/ERS acceptability criteria?Select acceptable, unacceptable (note error) or usable.**ERRORS:** * **Hesitation, slow start**
* **Premature stop**
* **Submaximal inspiration (FIVC> 5% than FVC)**
* **Submaximal expiration (poor PEF)**
* **Extra breath**
* **Cough, flow interruption**

Where trials were unacceptable, document what error(s) was identified.If a trial has a FIVC greater than 5% larger than the FVC this makes the trial usable. Consultant should be coaching the applicant to improve their FVC in this instance as we know that they are capable. This ensures we are getting highly accurate information. These trials should ONLY be used if there are NO better trials available. |  |
| **Trial 1** Acceptable [ ]   | Not Acceptable [ ] Error seen: | Usable [ ]  |  |
| **Trial 2** Acceptable [ ]  | Not acceptable [ ] Error seen: | Usable [ ]  |
| **Trial 3** Acceptable [ ]  | Not acceptable [ ] Error seen: | Usable [ ]  |
| **Trial 4** Acceptable [ ]  | Not acceptable [ ]  Error seen:  | Usable [ ]  |
| **Trial 5** Acceptable [ ]  | Not acceptable [ ] Error seen: | Usable [ ]  |
| **Trial 6** Acceptable [ ]  | Not acceptable [ ] Error seen: | Usable [ ]  |
| **Trial 7** Acceptable [ ]  | Not acceptable [ ] Error seen: | Usable [ ]  |
| **Trial 8** Acceptable [ ]  | Not acceptable [ ] Error seen: | Usable [ ]  |
| **IF POST TRIALS ATTEMPTED** | ***Complete as per pre-BD section*** |  |  |
| **Trial 1** Acceptable [ ]   | Not Acceptable [ ] Error seen: | Usable [ ]  |  |
| **Trial 2** Acceptable [ ]  | Not acceptable [ ] Error seen: | Usable [ ]  |  |
| **Trial 3** Acceptable [ ]  | Not acceptable [ ] Error seen: | Usable [ ]  |  |
| **Trial 4** Acceptable [ ]  | Not acceptable [ ]  Error seen:  | Usable [ ]  |  |
| **Trial 5** Acceptable [ ]  | Not acceptable [ ] Error seen: | Usable [ ]  |  |
| **Trial 6** Acceptable [ ]  | Not acceptable [ ] Error seen: | Usable [ ]  |  |
| **Trial 7** Acceptable [ ]  | Not acceptable [ ] Error seen: | Usable [ ]  |  |
| **Trial 8** Acceptable [ ]  | Not acceptable [ ] Error seen: | Usable [ ]  |  |

|  |  |
| --- | --- |
| **Question 4**Did the subject achieve 3 technically acceptable trials?If you document yes here and there were not 3 acceptable trials, this will result in a failure, and requirement to submit an additional assessment |  |
| Yes [ ]  | No [ ]  |  |

|  |  |
| --- | --- |
| **Question 5**Does FEV1 meet ATS/ERS repeatability criteria? What was the difference between the two largest? |  |
| Yes [ ]  | No [ ]  |  |

|  |  |
| --- | --- |
| **Question 6**Does FVC meet ATS/ERS repeatability criteria? What was the difference between the two largest? |  |
| Yes [ ]  | No [ ]  |  |

|  |  |
| --- | --- |
| **Question 7**Has an appropriate technical comment been entered on the report? If you cannot see the comment in the screenshot above, please type here or add screen shot in this section |  |
| Yes [ ]  | No [ ]  |  |

|  |  |
| --- | --- |
| **Question 8**If not normal, select which pattern is present. (Obstructive, Restrictive, or Mixed or non-specific).  **Obstruction** FEV1/FVC ratio <LLN and FEV1<LLN**Restriction** FVC<LLN sometimes with FEV1/FVC ratio normal ORFEV1/FVC >LLN**Mixed** FEV1/FVC <LLN and FEV1 <LLN and FVC <LLN**Non-Specific patterns**FEV1/FVC ratio <LLN only with a normal FEV1FVC or FEV1<LLN but the FEV1/FVC ratio is normal(this pattern does not follow other patterns rules) |  |
| Obstruction [ ]  | Restriction [ ]  | Mixed[ ]  | Non-Specific[ ]  |
| **Z score Classification** FEV1 z score is used to grade obstruction. Restriction is classified more accurately using lung volumes.-**1.65 – - 2.5 = Mild** [ ] **-2.5 – - 4.0 = Moderate** [ ] **> - 4.0 = Severe** [ ]  |  |

|  |  |
| --- | --- |
| **Question 9****If post bd spirometry was performed provide details on the bronchodilator response. Was it significant – tick yes or no**If yes, was there a significant improvement following bronchodilator? **A change of >10% is considered a significant BDR response** in line with the 2022 ERS / ATS interpretative standards for lung function testing.**POST BD VALUE -PRE BD VALUE x100/ PREDICTED GLI VALUE**  | **Overall Mark:**[ ] **Pass** [ ] **Fail**[ ] **Needs Review** |

**Assessment 8**

|  |
| --- |
| **Parameters and Results** (paste screen shot below or attach to document) |
|  |
| **Flow Volume Loops Graph** (paste screen shot below or attach to document) **Please include your test comment in this screenshot** | **Volume Time Graph** (paste screen shot below or attach to document) |
|  |  |
| **Please attach a screenshot of the full report showing the best three loops selected and data for the best three tests.** |  |
|  |  |

|  |  |
| --- | --- |
| **Question 1** Was a linearity calibration check completed prior to the test? |  |
| Yes [ ]  | No [ ]  |  |

|  |  |
| --- | --- |
| **Question 2** Were the subject demographics entered correctly?Have you entered height to the nearest mm? If you selected an ethnicity other than Caucasian. Please document which category* Southeast Asian
* Northeast Asian
* Black
* Other
 |  |
| Yes [ ]  | No [ ]  | Why? |

|  |  |
| --- | --- |
| **Question 3**Do the following trials (1-8) meet ATS/ERS acceptability criteria?Select acceptable, unacceptable (note error) or usable.**ERRORS:** * **Hesitation, slow start**
* **Premature stop**
* **Submaximal inspiration (FIVC> 5% than FVC)**
* **Submaximal expiration (poor PEF)**
* **Extra breath**
* **Cough, flow interruption**

Where trials were unacceptable, document what error(s) was identified.If a trial has a FIVC greater than 5% larger than the FVC this makes the trial usable. Consultant should be coaching the applicant to improve their FVC in this instance as we know that they are capable. This ensures we are getting highly accurate information. These trials should ONLY be used if there are NO better trials available. |  |
| **Trial 1** Acceptable [ ]   | Not Acceptable [ ] Error seen: | Usable [ ]  |  |
| **Trial 2** Acceptable [ ]  | Not acceptable [ ] Error seen: | Usable [ ]  |
| **Trial 3** Acceptable [ ]  | Not acceptable [ ] Error seen: | Usable [ ]  |
| **Trial 4** Acceptable [ ]  | Not acceptable [ ]  Error seen:  | Usable [ ]  |
| **Trial 5** Acceptable [ ]  | Not acceptable [ ] Error seen: | Usable [ ]  |
| **Trial 6** Acceptable [ ]  | Not acceptable [ ] Error seen: | Usable [ ]  |
| **Trial 7** Acceptable [ ]  | Not acceptable [ ] Error seen: | Usable [ ]  |
| **Trial 8** Acceptable [ ]  | Not acceptable [ ] Error seen: | Usable [ ]  |
| **IF POST TRIALS ATTEMPTED** | ***Complete as per pre-BD section*** |  |  |
| **Trial 1** Acceptable [ ]   | Not Acceptable [ ] Error seen: | Usable [ ]  |  |
| **Trial 2** Acceptable [ ]  | Not acceptable [ ] Error seen: | Usable [ ]  |  |
| **Trial 3** Acceptable [ ]  | Not acceptable [ ] Error seen: | Usable [ ]  |  |
| **Trial 4** Acceptable [ ]  | Not acceptable [ ]  Error seen:  | Usable [ ]  |  |
| **Trial 5** Acceptable [ ]  | Not acceptable [ ] Error seen: | Usable [ ]  |  |
| **Trial 6** Acceptable [ ]  | Not acceptable [ ] Error seen: | Usable [ ]  |  |
| **Trial 7** Acceptable [ ]  | Not acceptable [ ] Error seen: | Usable [ ]  |  |
| **Trial 8** Acceptable [ ]  | Not acceptable [ ] Error seen: | Usable [ ]  |  |

|  |  |
| --- | --- |
| **Question 4**Did the subject achieve 3 technically acceptable trials?If you document yes here and there were not 3 acceptable trials, this will result in a failure, and requirement to submit an additional assessment |  |
| Yes [ ]  | No [ ]  |  |

|  |  |
| --- | --- |
| **Question 5**Does FEV1 meet ATS/ERS repeatability criteria? What was the difference between the two largest? |  |
| Yes [ ]  | No [ ]  |  |

|  |  |
| --- | --- |
| **Question 6**Does FVC meet ATS/ERS repeatability criteria? What was the difference between the two largest? |  |
| Yes [ ]  | No [ ]  |  |

|  |  |
| --- | --- |
| **Question 7**Has an appropriate technical comment been entered on the report? If you cannot see the comment in the screenshot above, please type here or add screen shot in this section |  |
| Yes [ ]  | No [ ]  |  |

|  |  |
| --- | --- |
| **Question 8**If not normal, select which pattern is present. (Obstructive, Restrictive, or Mixed or non-specific).  **Obstruction** FEV1/FVC ratio <LLN and FEV1<LLN**Restriction** FVC<LLN sometimes with FEV1/FVC ratio normal ORFEV1/FVC >LLN**Mixed** FEV1/FVC <LLN and FEV1 <LLN and FVC <LLN**Non-Specific patterns**FEV1/FVC ratio <LLN only with a normal FEV1FVC or FEV1<LLN but the FEV1/FVC ratio is normal(this pattern does not follow other patterns rules) |  |
| Obstruction [ ]  | Restriction [ ]  | Mixed[ ]  | Non-Specific[ ]  |
| **Z score Classification** FEV1 z score is used to grade obstruction. Restriction is classified more accurately using lung volumes.-**1.65 – - 2.5 = Mild** [ ] **-2.5 – - 4.0 = Moderate** [ ] **> - 4.0 = Severe** [ ]  |  |

|  |  |
| --- | --- |
| **Question 9****If post bd spirometry was performed provide details on the bronchodilator response. Was it significant – tick yes or no**If yes, was there a significant improvement following bronchodilator? **A change of >10% is considered a significant BDR response** in line with the 2022 ERS / ATS interpretative standards for lung function testing.**POST BD VALUE -PRE BD VALUE x100/ PREDICTED GLI VALUE**  | **Overall Mark:**[ ] **Pass** [ ] **Fail**[ ] **Needs Review** |

**Assessment 9**

|  |
| --- |
| **Parameters and Results** (paste screen shot below or attach to document) |
|  |
| **Flow Volume Loops Graph** (paste screen shot below or attach to document) **Please include your test comment in this screenshot** | **Volume Time Graph** (paste screen shot below or attach to document) |
|  |  |
| **Please attach a screenshot of the full report showing the best three loops selected and data for the best three tests.** |  |
|  |  |

|  |  |
| --- | --- |
| **Question 1** Was a linearity calibration check completed prior to the test? |  |
| Yes [ ]  | No [ ]  |  |

|  |  |
| --- | --- |
| **Question 2** Were the subject demographics entered correctly?Have you entered height to the nearest mm? If you selected an ethnicity other than Caucasian. Please document which category* Southeast Asian
* Northeast Asian
* Black
* Other
 |  |
| Yes [ ]  | No [ ]  | Why? |

|  |  |
| --- | --- |
| **Question 3**Do the following trials (1-8) meet ATS/ERS acceptability criteria?Select acceptable, unacceptable (note error) or usable.**ERRORS:** * **Hesitation, slow start**
* **Premature stop**
* **Submaximal inspiration (FIVC> 5% than FVC)**
* **Submaximal expiration (poor PEF)**
* **Extra breath**
* **Cough, flow interruption**

Where trials were unacceptable, document what error(s) was identified.If a trial has a FIVC greater than 5% larger than the FVC this makes the trial usable. Consultant should be coaching the applicant to improve their FVC in this instance as we know that they are capable. This ensures we are getting highly accurate information. These trials should ONLY be used if there are NO better trials available. |  |
| **Trial 1** Acceptable [ ]   | Not Acceptable [ ] Error seen: | Usable [ ]  |  |
| **Trial 2** Acceptable [ ]  | Not acceptable [ ] Error seen: | Usable [ ]  |
| **Trial 3** Acceptable [ ]  | Not acceptable [ ] Error seen: | Usable [ ]  |
| **Trial 4** Acceptable [ ]  | Not acceptable [ ]  Error seen:  | Usable [ ]  |
| **Trial 5** Acceptable [ ]  | Not acceptable [ ] Error seen: | Usable [ ]  |
| **Trial 6** Acceptable [ ]  | Not acceptable [ ] Error seen: | Usable [ ]  |
| **Trial 7** Acceptable [ ]  | Not acceptable [ ] Error seen: | Usable [ ]  |
| **Trial 8** Acceptable [ ]  | Not acceptable [ ] Error seen: | Usable [ ]  |
| **IF POST TRIALS ATTEMPTED** | ***Complete as per pre-BD section*** |  |  |
| **Trial 1** Acceptable [ ]   | Not Acceptable [ ] Error seen: | Usable [ ]  |  |
| **Trial 2** Acceptable [ ]  | Not acceptable [ ] Error seen: | Usable [ ]  |  |
| **Trial 3** Acceptable [ ]  | Not acceptable [ ] Error seen: | Usable [ ]  |  |
| **Trial 4** Acceptable [ ]  | Not acceptable [ ]  Error seen:  | Usable [ ]  |  |
| **Trial 5** Acceptable [ ]  | Not acceptable [ ] Error seen: | Usable [ ]  |  |
| **Trial 6** Acceptable [ ]  | Not acceptable [ ] Error seen: | Usable [ ]  |  |
| **Trial 7** Acceptable [ ]  | Not acceptable [ ] Error seen: | Usable [ ]  |  |
| **Trial 8** Acceptable [ ]  | Not acceptable [ ] Error seen: | Usable [ ]  |  |

|  |  |
| --- | --- |
| **Question 4**Did the subject achieve 3 technically acceptable trials?If you document yes here and there were not 3 acceptable trials, this will result in a failure, and requirement to submit an additional assessment |  |
| Yes [ ]  | No [ ]  |  |

|  |  |
| --- | --- |
| **Question 5**Does FEV1 meet ATS/ERS repeatability criteria? What was the difference between the two largest? |  |
| Yes [ ]  | No [ ]  |  |

|  |  |
| --- | --- |
| **Question 6**Does FVC meet ATS/ERS repeatability criteria? What was the difference between the two largest? |  |
| Yes [ ]  | No [ ]  |  |

|  |  |
| --- | --- |
| **Question 7**Has an appropriate technical comment been entered on the report? If you cannot see the comment in the screenshot above, please type here or add screen shot in this section |  |
| Yes [ ]  | No [ ]  |  |

|  |  |
| --- | --- |
| **Question 8**If not normal, select which pattern is present. (Obstructive, Restrictive, or Mixed or non-specific).  **Obstruction** FEV1/FVC ratio <LLN and FEV1<LLN**Restriction** FVC<LLN sometimes with FEV1/FVC ratio normal ORFEV1/FVC >LLN**Mixed** FEV1/FVC <LLN and FEV1 <LLN and FVC <LLN**Non-Specific patterns**FEV1/FVC ratio <LLN only with a normal FEV1FVC or FEV1<LLN but the FEV1/FVC ratio is normal(this pattern does not follow other patterns rules) |  |
| Obstruction [ ]  | Restriction [ ]  | Mixed[ ]  | Non-Specific[ ]  |
| **Z score Classification** FEV1 z score is used to grade obstruction. Restriction is classified more accurately using lung volumes.-**1.65 – - 2.5 = Mild** [ ] **-2.5 – - 4.0 = Moderate** [ ] **> - 4.0 = Severe** [ ]  |  |

|  |  |
| --- | --- |
| **Question 9****If post bd spirometry was performed provide details on the bronchodilator response. Was it significant – tick yes or no**If yes, was there a significant improvement following bronchodilator? **A change of >10% is considered a significant BDR response** in line with the 2022 ERS / ATS interpretative standards for lung function testing.**POST BD VALUE -PRE BD VALUE x100/ PREDICTED GLI VALUE**  | **Overall Mark:**[ ] **Pass** [ ] **Fail**[ ] **Needs Review** |

**ASSESSMENT 10**

|  |
| --- |
| **Parameters and Results** (paste screen shot below or attach to document) |
|  |
| **Flow Volume Loops Graph** (paste screen shot below or attach to document) **Please include your test comment in this screenshot** | **Volume Time Graph** (paste screen shot below or attach to document) |
|  |  |
| **Please attach a screenshot of the full report showing the best three loops selected and data for the best three tests.** |  |
|  |  |

|  |  |
| --- | --- |
| **Question 1** Was a linearity calibration check completed prior to the test? |  |
| Yes [ ]  | No [ ]  |  |

|  |  |
| --- | --- |
| **Question 2** Were the subject demographics entered correctly?Have you entered height to the nearest mm? If you selected an ethnicity other than Caucasian. Please document which category* Southeast Asian
* Northeast Asian
* Black
* Other
 |  |
| Yes [ ]  | No [ ]  | Why? |

|  |  |
| --- | --- |
| **Question 3**Do the following trials (1-8) meet ATS/ERS acceptability criteria?Select acceptable, unacceptable (note error) or usable.**ERRORS:** * **Hesitation, slow start**
* **Premature stop**
* **Submaximal inspiration (FIVC> 5% than FVC)**
* **Submaximal expiration (poor PEF)**
* **Extra breath**
* **Cough, flow interruption**

Where trials were unacceptable, document what error(s) was identified.If a trial has a FIVC greater than 5% larger than the FVC this makes the trial usable. Consultant should be coaching the applicant to improve their FVC in this instance as we know that they are capable. This ensures we are getting highly accurate information. These trials should ONLY be used if there are NO better trials available. |  |
| **Trial 1** Acceptable [ ]   | Not Acceptable [ ] Error seen: | Usable [ ]  |  |
| **Trial 2** Acceptable [ ]  | Not acceptable [ ] Error seen: | Usable [ ]  |
| **Trial 3** Acceptable [ ]  | Not acceptable [ ] Error seen: | Usable [ ]  |
| **Trial 4** Acceptable [ ]  | Not acceptable [ ]  Error seen:  | Usable [ ]  |
| **Trial 5** Acceptable [ ]  | Not acceptable [ ] Error seen: | Usable [ ]  |
| **Trial 6** Acceptable [ ]  | Not acceptable [ ] Error seen: | Usable [ ]  |
| **Trial 7** Acceptable [ ]  | Not acceptable [ ] Error seen: | Usable [ ]  |
| **Trial 8** Acceptable [ ]  | Not acceptable [ ] Error seen: | Usable [ ]  |
| **IF POST TRIALS ATTEMPTED** | ***Complete as per pre-BD section*** |  |  |
| **Trial 1** Acceptable [ ]   | Not Acceptable [ ] Error seen: | Usable [ ]  |  |
| **Trial 2** Acceptable [ ]  | Not acceptable [ ] Error seen: | Usable [ ]  |  |
| **Trial 3** Acceptable [ ]  | Not acceptable [ ] Error seen: | Usable [ ]  |  |
| **Trial 4** Acceptable [ ]  | Not acceptable [ ]  Error seen:  | Usable [ ]  |  |
| **Trial 5** Acceptable [ ]  | Not acceptable [ ] Error seen: | Usable [ ]  |  |
| **Trial 6** Acceptable [ ]  | Not acceptable [ ] Error seen: | Usable [ ]  |  |
| **Trial 7** Acceptable [ ]  | Not acceptable [ ] Error seen: | Usable [ ]  |  |
| **Trial 8** Acceptable [ ]  | Not acceptable [ ] Error seen: | Usable [ ]  |  |

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| **Question 4**Did the subject achieve 3 technically acceptable trials?If you document yes here and there were not 3 acceptable trials, this will result in a failure, and requirement to submit an additional assessment |  |
| Yes [ ]  | No [ ]  |  |

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| **Question 5**Does FEV1 meet ATS/ERS repeatability criteria? What was the difference between the two largest? |  |
| Yes [ ]  | No [ ]  |  |

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| **Question 6**Does FVC meet ATS/ERS repeatability criteria? What was the difference between the two largest? |  |
| Yes [ ]  | No [ ]  |  |

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| **Question 7**Has an appropriate technical comment been entered on the report? If you cannot see the comment in the screenshot above, please type here or add screen shot in this section |  |
| Yes [ ]  | No [ ]  |  |

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| **Question 8**If not normal, select which pattern is present. (Obstructive, Restrictive, or Mixed or non-specific).  **Obstruction** FEV1/FVC ratio <LLN and FEV1<LLN**Restriction** FVC<LLN sometimes with FEV1/FVC ratio normal ORFEV1/FVC >LLN**Mixed** FEV1/FVC <LLN and FEV1 <LLN and FVC <LLN**Non-Specific patterns**FEV1/FVC ratio <LLN only with a normal FEV1FVC or FEV1<LLN but the FEV1/FVC ratio is normal(this pattern does not follow other patterns rules) |  |
| Obstruction [ ]  | Restriction [ ]  | Mixed[ ]  | Non-Specific[ ]  |
| **Z score Classification** FEV1 z score is used to grade obstruction. Restriction is classified more accurately using lung volumes.-**1.65 – - 2.5 = Mild** [ ] **-2.5 – - 4.0 = Moderate** [ ] **> - 4.0 = Severe** [ ]  |  |

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| **Question 9****If post bd spirometry was performed provide details on the bronchodilator response. Was it significant – tick yes or no**If yes, was there a significant improvement following bronchodilator? **A change of >10% is considered a significant BDR response** in line with the 2022 ERS / ATS interpretative standards for lung function testing.**POST BD VALUE -PRE BD VALUE x100/ PREDICTED GLI VALUE**  | **Overall Mark:**[ ] **Pass** [ ] **Fail**[ ] **Needs Review** |