Appendix 3

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| **NHSBSP tomosynthesis equipment evaluation form 11: Mammographer observations and findings** |
| A copy of this form should be completed by each operator, once comfortable with use and operation of the equipmentFor each question, please tick one of the “Excellent to Poor” columns, and/or delete from the alternatives (Yes/No, Better/Same/Worse) as appropriate. |
| **Equipment:** |  |  | **Evaluation centre:** |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  | **Excellent** | **Good** | **Average** | **Satisfactory** | **Poor** | **Compared with 2D** | **Comments** |
| 1 | How do you rate the supplier’s operator manual (if used)? |   |   |   |   |   | Better/ Same / Worse |   |
| 2 | Did you prefer an in-house simplified version? | Yes / No |   |   |   |   |   |   |
| 3 | How good was the clinical applications training for tomosynthesis provided by the supplier for : |   |   |   |   |   |   |   |
| 3a | Modality? |   |   |   |   |   | Better/ Same / Worse |   |
| 3b | Acquisition Workstation? |   |   |   |   |   | Better/ Same / Worse |   |
| 4 | How do you rate the unit’s ease of use for tomosynthesis? |   |   |   |   |   |   |   |
| 5 | How easy was it to attach/remove any special tomosynthesis device used with the X-ray equipment, for example, faceplate, bukky? |   |   |   |   |   |   |   |
| 6 | How do you find carrying out the |   |   |   |   |   |   |   |
| 6a | Special QA tests for tomosynthesis? | Easy/Average/Difficult |   |   |   |   |   |   |
| 6b | Calibration tests for tomosynthesis? | Easy/Average/Difficult |   |   |   |   |   |   |
| 6c | Reporting workstation QA? | Easy/Average/Difficult |   |   |   |   |   |   |
| 7 | Were the compression times acceptable for each exposure? (If not explain in comments) | Yes / No |   |   |   |   | Better/ Same / Worse |   |
| 8 | Did the unit performance limit patient throughput? | Yes / No |   |   |   |   | Better/ Same / Worse |   |
| 9 | How do you rate the comfort of women during tomosynthesis exposures, including acceptability of gantry motion? |   |   |   |   |   |   | (Enter any informative comments made by women) |
| 10 |  Range of controls and indicators (on-screen icons) for tomosynthesis: |   |   |   |   |   |   |   |
| 10a | Were all the expected controls present? | Yes / No |   |   |   |   | Better/ Same / Worse |   |
| 10b | Were they easy to find? | Yes / No |   |   |   |   | Better/ Same / Worse |   |
| 10c | Were the icons easy to use? | Yes / No |   |   |   |   | Better/ Same / Worse |   |
| 11 | How do you rate the time for: |   |   |   |   |   |   |   |
| 11a | An image to appear at the acquisition workstation? |   |   |   |   |   | Better/ Same / Worse |   |
| 11b | Storage of the image? |   |   |   |   |   | Better/ Same / Worse |   |
| 11c | Auto-deleting an image? |  |   |   |   |   | Better/ Same / Worse |   |
| 12 | How do you rate image handling at the acquisition workstation: |   |   |   |   |   |   |   |
| 12a | Scrolling through the image levels? |   |   |   |   |   | Better/ Same / Worse |   |
| 12b | The processing facilities? |   |   |   |   |   | Better/ Same / Worse |   |
| 12c | Use of query/retrieve? |   |   |   |   |   | Better/ Same / Worse |   |
| 13 | How easy was it to use, for tomosynthesis, the following (complete any applicable): |  |   |   |   |   |   |   |
| 13a | Keyboard? |   |   |   |   |   | Better/ Same / Worse |   |
| 13b | Touchscreen? |   |   |   |   |   | Better/ Same / Worse |   |
| 13c | Tracker ball? |   |   |   |   |   | Better/ Same / Worse |   |
| 13d | Wheel for scrolling through the tomosynthesis slices? |   |   |   |   |   | Better/ Same / Worse |   |
| 14 | How do you rate the following: |   |   |   |   |   |   |   |
| 14a | Image quality at the acquisition workstation for tomosynthesis images? |   |   |   |   |   | Better/ Same / Worse |   |
| 14b | Overall image quality of this system in tomosynthesis mode? |   |   |   |   |   | Better/ Same / Worse |   |
| 15 | What was your level of confidence in the unit? |   |   |   |   |   | Better/ Same / Worse |   |
| 16 | Were there any potential hazards with use in tomosynthesis mode to: |   |   |   |   |   | Better/ Same / Worse |   |
| 16a | You | Yes / No |   |   |   |   | Better/ Same / Worse |   |
| 16b | The woman | Yes / No |   |   |   |   | Better/ Same / Worse |   |
| 17 | Any additional comments on general or imaging performance in tomosynthesis mode |