## Supplementary File 6: Checklist items for babies undergoing LISA

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| Item | Confirmed? |
| Procedure started/completed times |  |
| CPAP pressure or HF rate and FiO2 optimised to within SpO2 targets |  |
| Necessary equipment gathered and prepared |  |
| Thermal and comfort care |  |
| ‘Time out’ performed |  |
| Patient’s head positioned properly |  |
| Laryngoscope blade positioned properly |  |
| LISA catheter inserted to appropriate depth |  |
| LISA catheter placement verified (if video laryngoscope available) |  |
| Surfactant administered correctly\* |  |
| Drug chart written with dosages checked |  |
| Required drugs are available |  |
| Baseline observations performed |  |
| X-ray post-procedure to assess lung condition |  |
| Naso/oro-gastric tube placed |  |
| Discuss the plan to administer surfactant with parents soon after NICU admission to give them enough time to make an informed decision |  |

\*Verified via an observed improvement in O2 requirement or through negative confirmation showing surfactant being aspirated from the stomach.  
CPAP, continuous positive airway pressure; FiO2, fraction of inspired oxygen; HF, heart failure;   
NICU, neonatal intensive care unit; SpO2, oxygen saturation in blood.