**TRAINEE DETAILS**

Trainee Name: ……………………………………………………………………….. Hospital: ………………………………………………………………………………….

 Formative  Summative

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| 1. Introduces self to patient and obtains relevant clinical details **ESSENTIAL** | 1  No introduction or history | 2 | 3  Minimal introduction and incomplete  history | 4 | 5  Proper introduction and relevant history |
| 2. Explain examination  **ESSENTIAL** | 1  Incomplete or misinformation | 2 | 3  Explanation complete but brief | 4 | 5  Full succinct explanation with indication and  limitations. |
| 3. Enter patient details into machine  **ESSENTIAL** | 1  Unable to complete task correctly | 2 | 3  Accurate but not familiar with machine | 4 | 5  Excellent knowledge of machine and accurate data  input |
| 4. Selection of probe and routine examination pre-sets | 1  Inappropriate probe or inability  to select settings | 2 | 3  Correct but some hesitancy in use  of equipment | 4 | 5  Correct and confident use of  equipment |
| 5. Use grey scale controls including gain, depth, focus and zoom | 1  Suboptimal image quality | 2 | 3  Optimises image but uncertainty in use of machine functions | 4 | 5  Optimises image appropriately with familiarity |
| 6. Assess placenta including location, appearance and cord insertion; and assess amniotic fluid volume | 1  Incorrect demonstration | 2 | 3  Structures demonstrated but unsystematic approach | 4 | 5  Systematic approach in both transverse and longitudinal  planes |
| 7. Assess chorionicity and amnionicity in case of multiple pregnancy | 1  Incorrect  assessmet | 2 | 3  Some  uncertainty | 4 | 5  Confident  assessment |
| 8. Measure BPD, HC, AC, FL, HL | 1  Incorrect plane and measurement | 2 | 3  Hesitancy in image acquisition and calliper  Placement | 4 | 5  Systematic image acquisition and measurement |
| 9. Assess fetal head and brain:   * Cranium shape and ossification * Lateral ventricles * Choroid plexus * 3rd and 4th ventricle * Thalami * CSP * Cerebellum * Cisterna magna | 1  Incomplete demonstration | 2 | 3  Structures demonstrated but unsystematic approach | 4 | 5  Systematic approach in both transverse and longitudinal planes |
| 10. Assess corpus callosum (sagittal) – include 3D sagittal reconstruction from BPD plane | 1  Incomplete demonstration | 2 | 3  Structures demonstrated but unsystematic approach | 4 | 5  Systematic approach in both transverse and longitudinal  planes |
| 11. Measurement of nuchal fold | 1  Incorrect plane and measurement | 2 | 3  Hesitancy in image acquisition and calliper  placement | 4 | 5  Systematic image acquisition and measurement |
| 12. Assess fetal face and neck:   * Orbits and lenses * Lip, nose, chin (mandible) * Palate (axial) * Profile * Nasal bone | 1  Incomplete demonstration | 2 | 3  Structures demonstrated but unsystematic approach | 4 | 5  Systematic approach in both transverse and longitudinal planes |
| 13. Fetal heart 4 chamber view:   * Situs (abdomen & thorax) * Axis * Ventricular septum   Ventricular size, morphology atrial size, AV- valves, crux | 1  Incomplete demonstration | 2 | 3  Structures demonstrated but unsystematic approach | 4 | 5  Systematic approach in both transverse plane |
| 14. Pulmonary veins | 1  Incomplete demonstration | 2 | 3  Structures demonstrated but unsystematic  approach | 4 | 5  Systematic approach in both transverse plane |
| 15. Outflow tracts   * Left outflow tract * Right outflow tract | 1  Incomplete demonstration | 2 | 3  Structures demonstrated but unsystematic  approach | 4 | 5  Systematic approach in both transverse plane |
| 16. 3 vessel view, arrowhead view   * PA, Aorta, SVC | 1  Incomplete demonstration | 2 | 3  Structures demonstrated but unsystematic  approach | 4 | 5  Systematic approach in both transverse plane |
| 17. Sagittal views heart:   * Aortic arch & neck vessels * Ductal arch * Venous return – SVC, IVC | 1  Incomplete demonstration | 2 | 3  Structures demonstrated but unsystematic approach | 4 | 5  Systematic approach longitudinal plane |
| 18. Adjust machine settings to assess the fetal heart optimally | 1  Suboptimal image quality | 2 | 3  Optimises image but uncertainty in use of machine functions | 4 | 5  Optimises image appropriately with familiarity |
| 19. Assess diaphragm, lungs | 1  Incomplete demonstration | 2 | 3  Structures demonstrated but unsystematic approach | 4 | 5  Systematic approach in both transverse and longitudinal  planes |
| 20. Assess limbs including:   * Humerus * Radius, Ulna * Hand, 5 digits * Wrist position * Femur * Tibia, Fibula   Feet, toes, ankles | 1  Incomplete demonstration | 2 | 3  Structures demonstrated but unsystematic approach | 4 | 5  Systematic approach in both transverse and longitudinal planes |
| 21. Assess fetal abdomen   * Stomach size, situs * Liver, gallbladder * Bowel loops * Kidneys, renal arteries * Bladder * Cord insertion, 3VC | 1  Incomplete demonstration | 2 | 3  Structures demonstrated but unsystematic approach | 4 | 5  Systematic approach in both transverse and longitudinal planes |
| 22. Assess fetal gender | 1  Incomplete demonstration | 2 | 3  Structures demonstrated but unsystematic approach | 4 | 5  Systematic approach in both transverse and longitudinal  planes |
| 23. Assess fetal spine:   * Axial view, skin integrity * Sagittal views, skin line * Coronal views | 1  Incomplete demonstration | 2 | 3  Structures demonstrated but unsystematic approach | 4 | 5  Systematic approach in both transverse and longitudinal planes |
| 24. Recognise and assess abnormal pregnancy findings (eg fetal anomaly, amniotic fluid, fetal size), demonstrating a skill level appropriate  to the level of training | 1  Skill level well below that expected | 2 | 3  Appropriate skill level demonstrated | 4 | 5  Skill level well above that expected |
| 25. Measure uterine artery Doppler | 1  Incorrect technique and measurement | 2 | 3  Hesitancy in image acquisition and  measurement | 4 | 5  Systematic image acquisition and measurement |
| 26. Assess cervix – TA, may offer TV. Check for vasa praevia | 1  Incomplete demonstration | 2 | 3  Structures demonstrated but unsystematic approach | 4 | 5  Systematic approach in both transverse longitudinal  planes |
| 27. Recognise and assess maternal pathology, demonstrating a skill level appropriate to the level of training | 1  Skill level well below that  expected | 2 | 3  Near appropriate skill level | 4 | 5  Skill level well above that  expected |
| 28. Explain findings to patient and counsel patient accordingly **ESSENTIAL** | 1  Incomplete or misinformation | 2 | 3  Explanation complete but  brief | 4 | 5  Full succinct explanation with  limitations |
| **REPORT WRITING** |  |  |  |  |  |
| 29. Personal details and clinical indication included  **ESSENTIAL** | 1  Deficient | 2 | 3  Mostly correct  (minor omission) | 4 | 5  Accurate and  correct |
| 30. Organised and well structured; Relevant structures and measurements included | 1  Deficient and disorganised; Relevant structures and measurements  not included | 2 | 3  Mostly correct (mild disorganisation); Mostly included | 4 | 5  Organised and well structured; Accurate and all relevant information  included |
| 31. Diagnosis or summary clearly stated (with relevant recommendations if applicable) | 1  Deficient | 2 | 3  Adequate summary | 4 | 5  Stated clearly with relevant  recommendations |
| 32. Addresses the clinical scenario  **ESSENTIAL** | 1  Poorly addresses the clinical  scenario | 2 | 3  Clinical scenario partially  addressed | 4 | 5  Addresses the clinical scenario  well |

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| **TRAINEE TO COMPLETE** |

For summative assessments only:

Number of summative assessments required to achieve this outcome: ……………………

Number of satisfactorily completed weeks of clinical training: ……………………

Number of formative assessments performed: ……………………

Number of prior mid trimester scans performed: ……………………

Aspects I think I performed well:

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Aspects I think need to be improved:

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| **ASSESSOR TO COMPLETE** |

Number of criteria boxes assessed as ‘4’ or more: ………………………….

All essential items assessed as ‘4’ or more: Y / N

On assessment the trainee has:

 Achieved Above MAPS required for this Mid Trimester Ultrasound Assessment

 Achieved MAPS required for this Mid Trimester Ultrasound Assessment.

o (MAPS: a minimum of 24 of the 32 criteria to be scored at ‘4’ or higher, which must include all essential items)

 Not Achieved MAPS required for Mid Trimester Ultrasound Assessment.

Aspects performed well:

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Aspects to be improved:

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Type of pathology scanned in this assessment: ……………………………………………………………………………………………………….

# **SIGNATURES**

Assessor: ……………………………………………………………………….. Qualification: …………………………………………………………………..

Signature: .……………………………………………………………………… Date: .…………………………………………………………………………………

Trainee: ………………………………………………………………………… Date: .…………………………………………………………………………….

Signature: ……………………………………………………………………..