

Appendix

This appendix was part of the submitted manuscript and has been peer reviewed. It is posted as supplied by the authors.

Appendix Table 1 – Method of calculating and recording Modified Early Warning Score (MEWS)

| Date | | Time | | Weight | Kg | MEWS Escalation | | | | | | | | | |
|--|----------------|-------------|---|--|----------------|-----------------|--|-------------------|---|--|-----|-----|-----|----|----|
| | | | | Height | cm | MEWS 4 - 5 | MEWS 6 - 7 | MEWS 8 or Greater | | | | | | | |
| Respiration Rate | ≥ 38 | ≥ 38 | 0 | Modified Early Warning Score | 0 | ↓ | Contact RMO, to review within 30 minutes. Inform Team Leader and start fluid balance chart | ↓ | | | | | | | |
| | 31 - 35 | 31 - 35 | 1 | | | | | | After 60 minutes if patient not reviewed and MEWS not decreased | | | | | | |
| | 25 - 30 | 25 - 30 | 2 | | | | | | | | | | | | |
| | 21 - 24 | 21 - 24 | 3 | | | | | | | | | | | | |
| | 15 - 20 | 15 - 20 | 4 | | | | | | | | | | | | |
| 9 - 14 | 9 - 14 | 5 | ↓ | Contact Registrar and RMO, Registrar to review in 30 minutes. Notify Consultant. Inform Team Leader and start fluid balance chart | | | | | | | | | | | |
| 5 - 8 | 5 - 8 | 6 | ↓ | After 60 minutes if patient not reviewed and MEWS not decreased | | | | | | | | | | | |
| < 5 | < 5 | 7 | ↓ | Contact Registrar and Consultant Registrar to review in 10 minutes. No response from the page or the treatment, the MEWS has not decreased, consider MET/ICU consult. Inform Team Leader and start fluid balance chart | | | | | | | | | | | |
| Oxygen Delivery | Flow Rate | Flow rate | | MET14 | | | | | | | | | | | |
| | Device | Device | | | | | | | | | | | | | |
| If the amount of oxygen the patient is getting needs to be increased then they MUST be reviewed by a medical officer | | | | | | | | | | | | | | | |
| SpO ₂ | ≥ 93 | ≥ 93 | | Oxygen Devices: RA = room air NP = nasal prongs HM = Hudson mask NRBM = non- rebreather High Flow Oxygen Humidified Oxygen | MET | ↓ | | | | | | | | | |
| | 90 - 92 | 90 - 92 | | | | | | | | | | | | | |
| | 85 - 89 | 85 - 89 | | | | | | | | | | | | | |
| | 80 - 84 | 80 - 84 | | | | | | | | | | | | | |
| | < 85 | < 85 | | | | | | | | | | | | | |
| Temperature | ≥ 38.5 | ≥ 38.5 | | BP MEWS table: Usual BP: (Circle Usual BP for patient) | MET | ↓ | | | | | | | | | |
| | 38.6 - 39.5 | 38.6 - 39.5 | | | | | | | | | | | | | |
| | 38 - 38.5 | 38 - 38.5 | | | | | | | | | | | | | |
| | 37 - 37.9 | 37 - 37.9 | | | | | | | | | | | | | |
| | 36.1 - 36.9 | 36.1 - 36.9 | | | | | | | | | | | | | |
| 35.1 - 36 | 35.1 - 36 | | | | | | | | | | | | | | |
| 34.1 - 35 | 34.1 - 35 | | | | | | | | | | | | | | |
| < 34 | < 34 | | | | | | | | | | | | | | |
| MEWS Temperature | 200 & more | 200 & more | 0 | 190 | 180 | 170 | 160 | 150 | 140 | 130 | 120 | 110 | 100 | 90 | 80 |
| | 150-199 | 150-199 | 0 | 0 | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 5 | 5 | 5 | |
| | 180-189 | 180-189 | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 4 | 4 | |
| | 170-179 | 170-179 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 3 | 3 | 3 | 3 | |
| | 160-169 | 160-169 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 2 | |
| | 150-159 | 150-159 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 2 | |
| | 140-149 | 140-149 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | |
| | 130-139 | 130-139 | 2 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | |
| | 120-129 | 120-129 | 2 | 2 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 110-119 | 110-119 | 3 | 2 | 2 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 100-109 | 100-109 | 3 | 3 | 3 | 2 | 2 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | |
| | 90-99 | 90-99 | 4 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 1 | 1 | 0 | 0 | |
| | 80-89 | 80-89 | | | | | | | | | | | | 1 | 0 |
| | 70-79 | 70-79 | | | | | | | | | | | | | |
| | 60-69 | 60-69 | | | | | | | | | | | | | |
| | 50-59 | 50-59 | | | | | | | | | | | | | |
| | 40-49 | 40-49 | | | | | | | | | | | | | |
| | 30-39 | 30-39 | | | | | | | | | | | | | |
| | 20-29 | 20-29 | | | | | | | | | | | | | |
| | Sedation score | 0 | 0 | 0 | Sedation Score | | | | | MET Criteria Dial "8" or use Code Blue Button | | | | | |
| 1 | | 1 | 1 | 0=awake & alert | | | | | | | | | | | |
| 2 | | 2 | 2 | 1=normally asleep, responds to stimuli | | | | | | | | | | | |
| 3 | | 3 | 3 | 2=mild, occasionally drowsy, easy to rouse | | | | | | | | | | | |
| 4 | | 4 | 4 | 3=moderate, frequently drowsy, easy to rouse but unable to maintain wakeful state | | | | | | | | | | | |
| Urine Output for 4 | ≥ 800 | ≥ 800 | | Urine Output | | | | | | | | | | | |
| | 80 - 799 | 80 - 799 | | - Calculate the urine output for the previous 4 hours and write the volume and then calculate the MEWS. | | | | | | | | | | | |
| TOTAL MEWS | Weight | Weight | | All patients with a MEWS of 4 or more must also have: | | | | | | | | | | | |
| | Pain Score | Pain Score | | - A review by the Team Leader | | | | | | | | | | | |
| Bowels | Bowels | Bowels | | - A Fluid Balance Chart | | | | | | | | | | | |
| | Initial | Initial | | - Increased frequency of observations (see back for details) | | | | | | | | | | | |

Appendix Table 2 – Factors associated with being declined ICU admission on multivariate analysis

| Factor | Too Well | | | Factor | Not Appropriate | | |
|------------------------|------------|------------|----------|---|-----------------|------------|----------|
| | Odds Ratio | 95% CI | <i>p</i> | | Odds Ratio | 95% CI | <i>p</i> |
| Age (years) | 1.11 | 1.06-1.16 | <0.001 | Age (years) | 1.12 | 1.05-1.18 | <0.001 |
| Ward referral | 6.64 | 4.62-9.54 | <0.001 | Ward referral | 8.47 | 4.81-14.91 | <0.001 |
| Low care nursing home | 3.01 | 1.61-5.61 | <0.001 | Treatment limitations ICU initiated treatment limitations | 7.07 | 4.19-11.93 | <0.001 |
| High care nursing home | 4.94 | 2.26-10.82 | <0.001 | | 13.87 | 8.04-23.93 | <0.001 |
| Metastatic cancer | 2.98 | 1.56-5.67 | 0.01 | Low care nursing home | 2.59 | 1.19-5.62 | 0.02 |
| | | | | High care nursing home | 8.6 | 3.66-20.2 | <0.001 |
| | | | | Metastatic cancer | 5.16 | 2.26-11.75 | 0.01 |
| | | | | Heart failure | 1.72 | 1.01-2.91 | 0.02 |
| | | | | Chronic kidney disease on dialysis | 5.17 | 1.26-21.2 | 0.03 |

