## Additional File 2.  List of Text Alerts

| Category | Alert Description |
|---|---|
| Census | ASA 4 |
| Census | ASA 5 |
| Census | Patient on Bypass |
| Census | Isolation precaution |
| Drugs | Antibiotic last documented X minutes prior to surgical incision, where X ≥ 60 or 120, depending on the drug. |
| Drugs | Antibiotic last documented X hours ago, where X varies by drug. |
| Drugs | Antibiotic has not been documented prior to surgical incision. |
| Drugs | Pure TIVA documented. NMB given. Consider BIS or nitrous oxide. |
| Drugs | Consider documenting train of four. |
| Drugs | Reversal administered without TOF documentation. |
| Drugs | High cumulative vasopressor bolus dose, for vasopressors other than Epinephrine. |
| Drugs | High cumulative vasopressor bolus dose, for Epinephrine bolus. |
| Glucose | No glucose recorded (for patient with diabetes). |
| Glucose | Glucose = X, where X < 60. |
| Glucose | Glucose = X, where X ≥ 200. Consider starting insulin infusion 0.02 units / kg / hr, with a max of 1 unit / hr. |
| Glucose | Glucose = X, where X ≥ 300. Consider starting insulin infusion 0.04 units / kg / hr, with a max of 2 units / hr. |
| Glucose | Glucose = X, where X ≥ 350. Consider starting insulin infusion 0.06 units / kg / hr, with a max of 3 units / hr. |
| Glucose | Insulin infusion/bolus. Consider measuring glucose. |
| Heart | Hct = X, where X < 21. Consider transfusion. |
| Heart | Hct = X, where X < 18. Consider immediate transfusion |
| Heart | Consider measuring hematocrit, when estimated Hct < 21. |
| Heart | X% of EBV transfused. Consider checking coagulation profile. Treat with [Ca++, Cryoprecipitate, FFP, Platelets]. |
| Heart | Ca++ given X minutes ago, where X ≥ 60. Consider measuring Ca++. |
| Heart | Cryoprecipitate given X minutes ago, where X ≥ 60. Consider measuring Fibrinogen. |
| Heart | FFP given X minutes ago, where X ≥ 60. Consider measuring INR. |
| Heart | Platelets given X minutes ago, where X ≥ 60. Consider measuring platelet count. |
| Heart | Ca++ = X mmol/L, where X < 1. Consider treating with 2 to 4 grams of calcium gluconate. |
| Heart | Fibrinogen = X mg/dL, where X < 100. Consider treating with cryoprecipitate. |
| Heart | INR = X, where X ≥ 1.5. Consider treating with FFP. |
| Heart | Platelet count = X, where X < 100k. Consider treating with platelets. |
| Heart | Consider measuring SPV or PPV. |
| Heart | SPV/PPV is X minutes old, where X ≥ 30. |
| Heart | EBL = X% of EBV, where X ≥ 20. Consider objective measure of fluid status, e.g., SPV, CVP. |
| Heart | EBL = X% of EBV, where X ≥ 40. Consider objective measure of fluid status, e.g., SPV, CVP. |
| Heart | Bradycardia, where heart rate below age defined limits. |
| Heart | Bradycardia, where heart rate below age-defined limits. |
| Heart | Tachycardia, where heart rate above age-defined limits. |
| Heart | Tachycardia, where heart rate above age-defined limits. |
| Heart | Potential unrecognized blood loss. Consider measuring Hct. |
| Hypotension | No BP Cuff measurement for more than 5 minutes. |
| Hypotension | No BP Cuff for 10 minutes or more. |
| Hypotension | No BP Cuff for 15 minutes or more for pediatric patients on a-line. |
| Hypotension | Potential hypotension, based on the slope of the last two measurements. |
| Hypotension | Hypotension: MAP = X, where X = 55 for adults or 2 x age + 25 for children. |
| Hypotension | Cumulative time for MAP < 55 more than 10 minutes (adults only). |
| Hypotension | Hypotension: MAP = X, where X = 60 for adults or 2 x age + 30 for children. |
| Lungs | PEEP = X, where X < 4. |
| Lungs | CO2 Rebreathing. Inspired CO2 = X mm Hg, where X ≥ 5. |
| Lungs | Tidal volume = X (Y cc/kilo of ideal body weight), where Y < 2 or y > 10. Consider changing tidal volume to 6-8 cc/kilo of ideal body weight. |
| Lungs | Tidal volume has been low/high for > 10 minutes. |
| Other | Potentially invalid data. Check primary source. |
| Other | You are in room X, but viewing room Y. |

You can silence the alarm for the duration of the current case by clicking on the speaker icon. An **X** in a message is replaced with the current value.  All text alerts have received FDA clearance.
*Scrolling Red Text