S1 Table. SOFA Score Search Strategy

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| Respiration  (the table ‘lab’ in the eICU was used) | | |
| labname | paO2 | FiO2 |
| Respiration  (the table ‘respiratorycare’ in the eICU was used)  We assumed patients with records in this table means they received ventilation support. | | |
| Coagulation  (the table ‘lab’ in the eICU was used) | | |
| labname | platelets x 1000 | |
| Liver  (the table ‘lab’ in the eICU was used) | | |
| labname | total bilirubin | |
| Cardiovascular  (the table ‘nursecharting’ in the eICU was used for MAP) | | |
| nursingchartcelltypevallabel | Arterial Line MAP (mmHg) | MAP (mmHg) |
| Cardiovascular  (the table ‘medication’ in the eICU was used for catecholamine) | | |
| drugname | EPINEPHrine | NOREPINEPHRINE |
| EPINEPHrine 8 MG in 250 mL NS | NOREPINEPHRINE 4 MG/250 ML NS |
| NOREPINEPHRINE 8 MG in 250mL NS | PRMX NOREPInephrine 4 mg/250 mL NS Drip |
| NOREPINEPHRINE BITARTRATE 1 MG/ML AMP | NOREPINEPHRINE BITARTRATE 1 MG/ML IV : 4 ML |
| NOREPINEPHRINE BITARTRATE 1 MG/ML IJ SOLN | NOREPINEPHRINE BITARTRATE 1 MG/ML IV SOLN |
| <<norepinephrine 4 mg/4 mL Inj | 250 ML PLAS CONT : NOREPINEPHRINE IN D5W 8 MG/250 ML |
| DOPamine |  |
| drughiclseqno | 36346 | 2051 |
| 2050 | 34361 |
| 36437 | 2060 |
| 2059 |  |
| Cardiovascular  (the table ‘infusiondrug’ in the eICU was used for catecholamine) | | |
| drugname | DOBUTamine MAX 1000 mg Dextrose 5% 250 ml Premix (mcg/kg/min) | Dobutamine (mcg/kg/min) |
| DOBUTamine STD 500 mg Dextrose 5% 250 ml Premix (mcg/kg/min) | Dobutamine (mcg/min) |
| Dobutamine | Dobutamine (ml/hr) |
| Dobutamine () | Dobutamine (units/min) |
| Dobutamine (mcg/kg/hr) | dobutrex |
| dobutrex (mcg/kg/min) | dobutrex (mg/kg/min) |
| DOPamine MAX 800 mg Dextrose 5% 250 ml Premix (mcg/kg/min) | Dopamine (mcg/kg/hr) |
| DOPamine STD 15 mg Dextrose 5% 250 ml Premix (mcg/kg/min) | Dopamine (nanograms/kg/min) |
| DOPamine STD 400 mg Dextrose 5% 250 ml Premix (mcg/kg/min) | dopamine (mcg/kg/min) |
| DOPamine STD 400 mg Dextrose 5% 250 ml Premix (mcg/kg/min) | Dopamine |
| DOPamine STD 400 mg Dextrose 5% 500 ml Premix (mcg/kg/min) | Dopamine () |
| Dopamine (mcg/kg/min) | Dopamine (mg/hr) |
| Dopamine (Unknown) | Dopamine (ml/hr) |
| Dopamine (mcg/hr) | Norepinephrine (mcg/kg/hr) |
| Dopamine (mcg/min) | Norepinephrine (Unknown) |
| Norepinephrine (mcg/kg/min) | Norepinephrine (mcg/hr) |
| Norepinephrine (mg/kg/min) | Norepinephrine (mcg/min) |
| Levophed (mcg/kg/min) | Norepinephrine (mg/hr) |
| Norepinephrine | Norepinephrine (mg/min) |
| Norepinephrine () | Norepinephrine STD 32 mg Dextrose 5% 500 ml (mcg/min) |
| Norepinephrine (ml/hr) | Norepinephrine STD 4 mg Dextrose 5% 250 ml (mcg/min) |
| Norepinephrine (units/min) | Norepinephrine STD 4 mg Dextrose 5% 500 ml (mcg/min) |
| Norepinephrine MAX 32 mg Dextrose 5% 250 ml (mcg/min) | Norepinephrine STD 8 mg Dextrose 5% 250 ml (mcg/min) |
| Norepinephrine MAX 32 mg Dextrose 5% 500 ml (mcg/min) | Norepinephrine STD 8 mg Dextrose 5% 500 ml (mcg/min) |
| Norepinephrine STD 32 mg Dextrose 5% 282 ml (mcg/min) | NSS w/ levo/vaso (ml/hr) |
| norepinephrine Volume (ml) | NSS with LEVO (ml/hr) |
| norepinephrine Volume (ml) (ml/hr) | levophed (mcg/min) |
| Levophed (mcg/min) | levophed (mcg/min) |
| Levophed (mg/hr) | levophed (ml/hr) |
| Levophed (ml/hr) | EPINEPHrine(Adrenalin)STD 7 mg Sodium Chloride 0.9% 250 ml (mcg/min) |
| Epinephrine (mg/kg/min) | Epinepherine (mcg/min) |
| Epinephrine (mcg/kg/min) | Epinephrine |
| EPINEPHrine(Adrenalin)MAX 30 mg Sodium Chloride 0.9% 250 ml (mcg/min) | Epinephrine () |
| EPINEPHrine(Adrenalin)STD 4 mg Sodium Chloride 0.9% 250 ml (mcg/min) | Epinephrine (mcg/hr) |
| EPINEPHrine(Adrenalin)STD 4 mg Sodium Chloride 0.9% 500 ml (mcg/min) | Epinephrine (ml/hr) |
| Epinephrine (mcg/min) | Epinephrine (mg/hr) |
| Central nervous system  (the table ‘nursecharting’ in the eICU was used) | | |
| nursingchartcelltypevallabel | Glasgow coma score | |
| nursingchartcelltypevalname | GCS Total | |
| Renal  (the table ‘lab’ in the eICU was used for creatinine) | | |
| labname | creatinine | |