**Table S-5**. Acronyms

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| **Abbreviation or Acronym** | **Meaning** |
|  ABG | Arterial Blood Gas |
|  ALT | Alanine Aminotransferase |
|  AST | Aspartate Transminase |
|  AUROC | Area Under the Receiver Operating Characteristic Curve |
|  BUN | Blood Urea Nitrogen |
|  CBG | Capillary Blood Gas |
|  Cont | Continuous drug infusion |
|  CSF | Cerebral Spinal Fluid |
|  CT | Computerized Tomography |
|  E/E’ lat (MV) | MV E Point / Lat Peak E Vel |
|  E/E’ med | MV A point / Med Peak E Vel |
|  EMR | Electronic Medical Record |
|  EPAP | Expiratory Positive Airway Pressure |
|  ESR | Erythrocyte Sedimentation Rate |
|  EVD | External ventricular drain |
|  EtCO2 | End-tidal Carbon Dioxide |
|  FiO2 | Fraction of Inspired Oxygen |
|  FLACC | Face, Legs, Activity, Cry, Consolability (pain score) |
|  GGT | Gamma Glutanyl Transferase |
|  HCO3 | Bicarbonate |
|  INR | International Normalized Ratio |
|  inter | Intermittent drug infusion |
|  IPAP | Inspiratory Positive Airway Pressure |
|  IVSd (MM) | End-diastolic septal thickness (M-mode) |
|  LSTM | Long Short Term Memory |
|  LV - 0001 | Normal LV structure and size |
|  LV - 0002 | Dilated left ventricle |
|  LV - 0004 | concentric LVH |
|  LV - 0026 | Normal left ventricular diastolic function |
|  LV - 0027 | Hyperdynamic left ventricular function |
|  LV - 0029 | Abnormal left ventricular diastolic function |
|  LV - 0198 | Underfilled LV |
|  LV - 0208 | Decreased LV systolic function |
|  LVIDd (MM) | Left ventricular internal dimension at end-diastole (M-mode) |
|  LVIDs (MM) | Left ventricle, End-systolic dimension (M-mode) |
|  LVPWd | Left ventricular posterior wall at end-diastole |
|  MCH | Mean Corpuscular Hemoglobin |
|  MCHC | Mean Corpuscular Hemoglobin Concentration |
|  MCV | Mean Corpuscular Volume |
|  MRI | Magnetic Resonance Imaging |
|  MVBG | Mixed Venous Blood Gas |
|  MV A max vel | A-point maximum velocity of the mitral flow |
|  MV E max vel | E-point maximum velocity of the mitral flow |
|  MV E/A | (MV A max vel) / (MV A max vel) |
|  MV dec time | Mitral deceleration time |
|  MV Lat Peak A’ Vel | Peak A-wave velocity of the left ventricular lateral mitral valve annulus tissue doppler spectrum |
|  MV Lat Peak E’ Vel | Peak E-wave velocity of the lateral mitral valve annulus tissue doppler spectrum |
|  MV Lat Peak S’ Vel | Peak S-wave velocity of the lateral mitral valve annulus tissue doppler spectrum |
|  MV max PG | Maximum pressure gradient of the flow distal to the mitral valve |
|  MV mean PG | Trace the velocity envelope of the flow distal to the mitral valve |
|  NALC | Nurse Activity Level Completed |
|  NIV | Non-invasive Ventilation |
|  O2 | Oxygen |
|  PaO2 | Partial Pressure of Oxygen in Arterial Blood |
|  PCO2 | Partial Pressure of Carbon Dioxide |
|  PEEP | Positive End Expiratory Pressure |
|  pH | Potential of Hydrogen |
|  PI max PG | Maximum pressure gradient of the pulmonic insufficiency |
|  PI max vel | Maximum velocity of the pulmonic insufficiency |
|  PO2 | Partial Pressure of Oxygen |
|  PT | Prothrombin Time |
|  PTT | Partial Thromboplastin Time |
|  PV V2 max | Maximum velocity of the flow distal to the pulmonic valve |
|  RBC | Red Blood Cell Count |
|  RDW | Red Cell Distribution Width |
|  RNN | Recurrent Neural Network |
|  RV-0002 | Dilated RV |
|  RV-0016 | Normal right ventricular systolic function |
|  RV-0021 | Normal right ventricular wall motion |
|  RV-0056 | Normal RV/LV and septum |
|  RV-0060 | Right ventricle free wall hypertrophy, \_ |
|  RV-0065 | Normal right and left ventricular systolic function |
|  RV-0068 | Right ventricular wall motion is depressed |
|  RV-0069 | Decreased right ventricular systolic function |
|  TC02 | Total Carbon Dioxide |
|  TSH | Thyroid Stimulating Hormone |
|  TV A max level | A-point maximum velocity of the tricuspid flow |
|  TV E max level | E-point maximum velocity of the tricuspid flow |
|  TV E/A | (TV E max level) / (TV A max level) |
|  TV Lat Peak A’ Vel | Peak A-wave velocity of the left ventricular lateral tricuspid valve annulus tissue doppler spectrum |
|  TV Lat Peak E’ Vel | Peak E-wave velocity of the lateral tricuspid valve annulus tissue doppler spectrum |
|  TV Lat Peak S’ Vel | Peak S-wave velocity of the lateral tricuspid valve annulus tissue doppler spectrum |
|  Tei Index LV (LV MPI) | ((TDI Inter-mitral time LV - TDI ejection time LV) / TDI ejection time LV) |
|  VBG | Venous Blood Gas |
|  WAT1 | Withdrawal Assessment Tool Score |
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