

SUPPLEMENTAL MATERIAL

Appendix

Abstracted notes for each newborn coded as having pre-surgical decompensation

1. "9 day old... progressive respiratory distress syndrome who now has the diagnosis of a hypoplastic left heart syndrome, depressed biventricular function and closing ductus arteriosus which was taken care of with the prostaglandin infusion."
2. "Active seizures, shows clonic movements of both Lt arm and Lt leg. Imp: seizures secondary to hypoplastic heart syndrome and profound acidosis"
3. "Acute cardiac decompensation requiring inotropic support and mechanical ventilation"
4. "Acute decompensation associated with metabolic acidosis with a lactate level of 22"
5. Autopsy comments: baby was doing fine at birth and was getting ready for transfer due to dusky spells. Expired hours after birth.
6. "Cardiac arrest"
7. "Cardiopulmonary arrest, cardiogenic shock, respiratory failure, profound metabolic acidosis"
8. "Cardiorespiratory arrest"
9. "Congestive heart failure. Procedure: endotracheal intubation, mechanical ventilation, intravenous inotropic support" (upon arrival)
10. "Critically ill after prolonged resuscitation with severe acidosis. Has evidence of renal injury."
11. "Cyanosis, severe acidosis, and respiratory distress"
12. "Dusky... +gallop... clinical deterioration... acute tubular necrosis"
13. "Grunting and retractions and some difficulty breathing, He also was very lethargic and was tachypneic"
14. "Exploratory laparotomy" (prior to transfer to CSC)
15. "Lethargic infant having some spontaneous movement"
16. "No spontaneous respiration, floppy and pale"
17. "On arrival, the O2 stats were in the 30-35 range. We intubated this infant and began hand bagging to improve this and then called echo stat for echocardiogram and transferred infant to neonatal ICU for line placement"
18. "Pale, tachypneic, mild-mod resp distress"
19. "Peritonitis, perforated bowel"
20. "Poor perfusion"
21. "Poor tone, cyanotic, grunting"
22. "Pulmonary edema, metabolic acidosis... despite all efforts patient became acidotic due to congenital heart disease. Patient heart rate dropped. Patient expired."
23. "Pulses are diminished and cap refill 5 seconds."
24. "Severe cyanosis and acidosis"
25. "Shock"
26. "Shock, massive cardiomegaly and chf"
27. "Status post cardiac arrest"
28. "Status post endotracheal tube placement...pulmonary infiltrates (pre-diagnosis)."
29. "Study was performed on this patient...emergently due hypoxemia"
30. "Tachycardia with heart rate between 150 and 190 variable. The heart is large. The PMI is lateral to the mid-clavicle line. The liver is almost at the bellybutton, about 6cm down."
31. "Tachypnea; lethargy. Impression: sepsis vs heart vs metabolic. Transfer to... via... lifeflight."
32. "The baby was receiving cardiac compression. ..the liver was enlarged several cm below the costal margin and firm... poor perfusion to hands and feet"
33. "The infant is lethargic with decreased tone and spontaneous activity as well as decreased response to tactile stimuli."
34. "The infant is lethargic with decreased tone and spontaneous activity, responsive to tactile stimuli... the skin is ashen and pale/pink with decreased perfusion."
35. "Two-day-old baby who is referred to us... The child is described as being hypoxic and arresting... hypoplastic left heart syndrome with catastrophic presentation, cardiogenic shock"