**Supplemental Digital Content 6.** Additional clinical details of 12 cases in whom post-mortem minimal invasive tissue sampling (MITS) was done

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| **Case No.** | **Comment** |
| **1.** | HIV-unexposed, hypoxic with severe metabolic acidosis at birth, diaphragmatic hernia and hypoplastic lung |
| **2.** | HIV-unexposed, at birth in respiratory distress with metabolic acidosis, developed septic shock |
| **3.** | HIV-unexposed, poor respiratory effort, metabolic acidosis and seizures at birth, septic shock |
| **4.** | HIV-unexposed, 3 days history of poor feeding and lethargy, metabolic acidosis, seizures and hypovolaemic shock |
| **5.** | HIV-unexposed, 1-day history of difficulty breathing, poor feeding and lethargy. In respiratory distress, full anterior fontanelle, increased tone, pus around umbilicus and distended abdomen. Had severe metabolic acidosis with septic shock |
| **6.** | HIV-exposed, HIV PCR negative. Had poor feeding, lethargy and irritability for 2 days. Dehydrated with metabolic acidosis. Had distended abdomen, and developed septic shock |
| **7.** | HIV-unexposed, had acute gastroenteritis, severely dehydrated, severe metabolic acidosis and hypovolaemic shock, went into multi organ failure and DIC |
| **8.** | HIV-exposed, HIV PCR negative. Had acute gastroenteritis, poor feeding and lethargy for 4 days. Severely dehydrated with metabolic acidosis. Had seizures and increased oxygen requirements, recurrent desaturation |
| **9.** | HIV-unexposed, in respiratory distress at birth, was treated for 2 episodes of sepsis during admission. Then had increased oxygen requirements, metabolic acidosis and developed septic shock |
| **10.** | HIV-unexposed, had respiratory distress at birth, failed to wean off oxygen. Treated for suspected sepsis during admission. Had seizures, increased oxygen requirements, metabolic acidosis |
| **11.** | HIV-unexposed, previously worked up for congenital nephrotic syndrome. Presented with distended abdomen with ascites; cough, shortness of breath and lethargy. Had seizures |
| **12.** | HIV-unexposed, had fever, acute gastroenteritis, poor feeding and lethargy for 2 days. Had seizures and decreased level of consciousness |