Supplement A Experiment timeline and interventions.  

1T-CPR: cardiac massage to achieve target cardiac output as a percentage of precardiac arrest baseline.  

2Epinephrine was given at 2, 5, 9, and 13 minutes.  

3Defibrillation: the initial dose was 2 joules/kilograms then increases by 2 up to 10 for subsequent shocks. Shocks were delivered every 2 to 3 minutes.