



Supplemental Fig. 1. Overview of the study protocol. H₂ gas inhalation was initiated upon admission to the ICU and was continued along with other post-arrest care. All patients were treated with TTM. Arterial H₂ gas concentration, oxidative stress markers, and inflammatory cytokine levels were measured before and 3, 9, 18, and 24 h after the initiation of H₂ gas inhalation. Urine oxidative stress markers were also measured before and 24 h after the initiation of hydrogen gas inhalation. CA, cardiac arrest; cath lab, catheterization laboratory; CPC, cerebral performance category; CPR, cardiopulmonary resuscitation; ER, emergency room; H₂, molecular hydrogen; ICU, intensive care unit; ROSC, return of spontaneous circulation; TTM, target temperature management.