

SUPPLEMENTARY DATA

Table 1 of the supplementary data. Inclusion criteria

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| Remain comatose after ROSC (Glasgow Coma Scale score \leq 8) |
| OHCA in all rhythms: shockable and nonshockable |
| Prior exclusion of an obvious noncardiac cause of the cardiac arrest (head CT scan and transthoracic echocardiogram) |
| Nondiagnostic electrocardiogram after ROSC (neither ST-segment elevation nor left bundle branch block) |
| Absence of exclusion criteria |

CT, computed tomography; OHCA, out of hospital cardiac arrest; ROSC, recovery of spontaneous circulation.

Table 2 of the supplementary data. Exclusion criteria

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| Age < 18 y |
| Pregnant women or women of childbearing age unless they have a negative pregnancy test |
| Time to ROSC > 60 min |
| Noncardiac etiology of the comatose state: drug overdose, head injury, or stroke |
| Signs of STEMI or left bundle branch block on the ECG |
| Hemodynamic instability (refractory cardiogenic shock despite vasoactive drugs or refractory arrhythmias) |
| Known coagulopathy or bleeding |
| Refusal to participate in the study by the next of kin |

ECG, electrocardiogram; STEMI, ST-segment elevation myocardial infarction.

Table 3 of the supplementary data. Primary outcome measures

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| Survival with good neurological outcome for activities of daily life (CPC 1-2) |
| MACE: death, myocardial infarction, clinically evident bleeding (BARC > 2) or ventricular arrhythmias |

BARC, Bleeding Academic Research Consortium; CPC, cerebral performance category; MACE, major adverse cardiac events.

Table 4 of the supplementary data. Secondary outcome measures

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| Hospital survival |
| Neurological outcome assessed by the CPC scale |
| Left ventricular ejection fraction |
| Infarction size defined by the maximum CPK and troponin |
| Vascular complications: fistula, pseudoaneurysm, or clinically evident hematoma (BARC \geq 2) |
| Clinically evident hemorrhage: BARC \geq 2 |
| Sustained ventricular arrhythmias or requirement of cardioversion |
| Acute renal failure: creatinine increase of $>$ 0.5 mg/dL or $>$ 50% baseline |
| Reinfarction: according to the universal definition of acute myocardial infarction |
| Stent thrombosis defined by the ARC |
| Infections: high inflammatory markers (CRP, procalcitonin, leukocytosis with neutrophilia) requiring antibiotics |
| Length of intubation |
| Length of hospital stay |

ARC, Academic Research Consortium; BARC, Bleeding Academic Research Consortium; CPC, cerebral performance category; CPK, creatine phosphokinase; CRP, C-reactive protein.

Figure 1 of the supplementary data Flow chart of the COUPE trial. CT, computed tomography; LVEF, left ventricular ejection fraction; ROSC, return of spontaneous circulation.

