**Supplementary Table 2. Flowchart of study procedures and evaluations.**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Study Period/Location | Pre-operative | Operating room | ICU | ICU | ICU or Ward | ICU | ICU or Ward | ICU | ICU | Last visit |
| Visit Name | Selec- tion | Inc-lusion | Pre-Induc. | Post-Induc. | Pre-Bypass | Bypass 1 | Bypass2 | Post-Bypass | End Anest. | ICU admission | H-12visit | H-24visit  | H-36visit  | H-48visit  | H-60visit  | ICUdischarge | Hospital discharge(or 30th postoperative day ± 1) |
| Short Name (Mandatory/Optional) | V0M | V1M | V2M | V3M | V4M | V5M | V6M | V7M | V8M | V9M | V10M | V11M | V12O | V13M | V14O | V15M | V16M |
| Medical History | x |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | x |
| Physical Examination | x (a) | x |  |  |  |  |  |  |  | x | x | x | x | x | x | x | x |
| Vital Signs | x | x |  |  |  |  |  |  |  |  | Twice-a-day after tracheal extubation | x | x |
| 12-lead ECG  |  | x |  |  |  |  |  |  |  | x | x | x |  | x |  | x | x |
| Echocardiography |  | x (b) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Criteria checked | x | x |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Monitoring (c) |  |  | <----------------------------------------------------------------- | -------------------- | + / − | ---------- | +/− | --------- | -------> |  |
| Blood / locallaboratory |  | x(deg) | x(dfh) | x(h) | x(h) | x(fh) | x(fh) |  | x(hf) | x(dfh) | x(dh) | x(def) |  | x(def) |  | x (def) | x(ef) |
| Blood / central laboratory |  |  | x(dei) |  |  |  |  |  |  | x(d) | x(d) | x(dei) |  | x(dei) |  | x (dei) |  |
| Hemodynamic |  |  | x | x | x | Mean BP | Mean BP | x | x | x | x | x | x | x | x |  |  |
| **Randomization** |  |  |  | **♦** |  |  |  |  |  |  |  |  |  |
| **Study treatment** |  |  |  |  |  | Propofol during CPB |  |  |  |  |  |  |  |  |  |  |
| Concurrent medications | x | x |  |  |  |  |  |  | x |  |  | x |  | x |  | x | x |
| Adverse events  |  | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x |

BP, blood pressure; H, hour after end of surgery; ICU, intensive care unit; M/O, mandatory or optional visit, V, visit.

(a) weight/height during V0 visit; (b) if left ventricular function assessment not available; (c) ECG, SpO2, systemic artery pressure line, central venous pressure line, temperature, urine output. In operating room only: BIS index, inspired and/or end-tidal concentrations of O2, CO2 (all patients), xenon (xenon group) and sevoflurane (sevoflurane group); (d) cTnI or cTnT (local laboratory), cTnI (central laboratory), and CK-MB; (e) creatinine, ALT, AST, ALP, GGT, bilirubin; (f) hemoglobin, hematocrit; (g) pregnancy test (if applicable); (h) arterial and venous blood gases; (i) NT-proBNP, CRP.