Decision-making and timing considerations in reperfusion for STEMI

**Decision-making and organisation of reperfusion strategies within 12 hours of first medical contact (FMC) with ideal time interval for interventions**

- **Primary PCI**
  - Immediate fibrinolysis → Successful fibrinolysis → Yes
  - No → PCI with DI-DO ≤30 min
    - Yes → Primary PCI
    - No → Rescue PCI
  - Immediate transfer to PCI centre

- **EMS or non-primary PCI capable centre**
  - Reperfusion facility
  - Primary PCI capable centre
  - FMCTB <90 min
  - Total ischaemic time
  - DI-DO and DTN <30 min
  - DTB <60 min

- **If cardiogenic shock, immediate transfer to PCI centre**

**Note:** Adapted from European Society of Cardiology (ESC). ESC Guidelines for the management of acute myocardial infarction in patients presenting with ST-segment elevation. Eur Heart J 2012;33:2569–619. DI-DO, door in to door out time; DTB, door to balloon time; EMS, emergency medical service; FMC, first medical contact; FMCTB, first medical contact to balloon time; PCI, percutaneous coronary intervention; STEMI, ST elevation myocardial infarction; DTN, door to needle time.