

Supplementary Appendix

List of study sites, troponin assays and number of patients recruited per site

Site	Troponin assay	99 th percentile	10% CV*	Number of patients included in the study
Manchester Royal Infirmary	Roche Elecsys high sensitivity cardiac troponin T	14ng/L	13ng/L	341
St George's Hospital, London	Roche Elecsys high sensitivity cardiac troponin T	14ng/L	13ng/L	314
Royal Bolton Hospital	Siemens cardiac troponin I Ultra	40ng/L	30ng/L	37
Musgrove Park Hospital, Taunton	Beckman Coulter, AccuTnl+3	40ng/L	40ng/L	25
Royal Devon and Exeter Hospital	Roche Elecsys high sensitivity cardiac troponin T	14ng/L	13ng/L	24
Harrogate District Hospital	Roche Elecsys high sensitivity cardiac troponin T	14ng/L	13ng/L	16
Northumbria Specialist Emergency Care Hospital	Roche Elecsys high sensitivity cardiac troponin T	14ng/L	13ng/L	33
Basingstoke and North Hampshire Hospital	Siemens Centaur cardiac troponin I Ultra	40ng/L	30ng/L	58
Royal Victoria Infirmary, Newcastle	Roche Elecsys high sensitivity cardiac troponin T	14ng/L	13ng/L	7
Royal London Hospital, London	Roche Elecsys high sensitivity cardiac troponin T; and Radiometer AQT90 cardiac	Roche: 14ng/L Radiometer: 17ng/L	Roche: 13ng/L Radiometer: 26ng/L	66

	troponin T used for rule out in low risk patients			
Whipps Cross Hospital, London	Siemens Centaur cardiac troponin I Ultra; and Radiometer AQT90 cardiac troponin T for rule out in low risk patients	Siemens: 40ng/L Radiometer: 17ng/L	Siemens: 30ng/L Radiometer: 26ng/L	16
Kings College Hospital, London	Siemens Centaur cardiac troponin I Ultra	40ng/L	30ng/L	20
Salford Royal Hospital, Salford	Siemens Centaur cardiac troponin I Ultra	40ng/L	30ng/L	12
Queen Elizabeth Hospital, Birmingham	Roche Elecsys high sensitivity cardiac troponin T	14ng/L	13ng/L	30

CV: co-efficient of variation