

ECMO INCLUSION CRITERIA

OUT-OF-HOSPITAL CARDIAC ARREST
REFRACTORY TO STANDARD ACLS TREATMENT

16-65 YEARS

INDEPENDENT LIVING

WITNESSED ARREST

CPR COMMENCED WITHIN 10 MINUTES OF ARREST

COLLAPSE TO ARRIVAL IN ED < 45MIN

NO MAJOR COMORBIDITIES

LIKELY 1º CARDIAC OR RESPIRATORY ARREST OR

OTHER REVERSIBLE CAUSE

ECMO EXCLUSION CRITERIA

ASYSTOLE IS FIRST CHECKED RHYTHM

ETCO₃ < 10MMHG IN ED

BOUNDARIES OF CARE / DNR ORDER IN PLACE

TERMINAL ILLNESS DUE TO MALIGNANCY /

CHRONIC DISEASE

SIGNIFICANT NEUROLOGICAL / NEUROMUSCULAR

IMPAIRMENT

KNOWN SYMPTOMATIC CHRONIC ORGAN FAILURE

MULTIPLE PAST CORONARY REVASCULARIZATIONS

CIRRHOSIS (JAUNDICE / ENCEPHALOPATHY

/ ASCITES)

ESRF (DIALYSIS)

CARDIOMYOPATHY

CHRONIC LUNG DISEASE (NYHA III OR IV)

SEVERE PULMONARY HTN

MAJOR TRAUMA / ACTIVE HAEMORRHAGE

ACTIVATE CODE ECMO TEAM

0800-1700

ED DC AND ED US CONSULTANT TO DECIDE ACTIVATION

PERFUSIONIST (TIME CRITICAL)

CARDIOTHORACIC CONSULTANT

ICU CONSULTANT

CARDIAC ANAESTHETIST

CARDIOLOGY CONSULTANT

1700-0800

<u>CARDIOTHORACIC SURGEON</u> TO DECIDE ACTIVATION

ED DUTY CONSULTANT

PERFUSIONIST (TIME CRITICAL)

ICU CONSULTANT

CARDIAC ANAESTHETIST

CARDIOLOGY CONSULTANT

COMMENCE ECIVIO