

CCT and SCT Training Requirements and Patient Classifications

The GCMCA has adopted the state Critical Care Patient Transports Protocol. The protocol specifically outlines training requirements for EMS providers conducting critical care transports (CCT). For agencies that provide CCT, they must have providers conducting those transports trained either through the University of Maryland Baltimore County (UMBC), the Cleveland Clinic Critical Care or other programs approved by the GCMCA medical director and the agency medical director. These training programs must also cover all of the items outlined in the state model Critical Care Patient Transports protocol.

A separate type of transfer from the CCT is Specialty Care Transports (SCT). An agency may provide Specialty Care Transports (SCT) without having their staff trained through the above programs, but through a program created by the agency. These education programs must have training consistent with all of the elements of the state Inter-Facility Transfers and Critical Care Patient Transports protocol, with the exception of the medications and procedures listed in this protocol that are specific to CCT trained paramedics. The SCT education program must also meet all of the following:

- Be approved by the agency medical director who is responsible for verifying the agency education program and the instructors of the courses
- Be reviewed by the GCMCA Education Committee and GCMCA Medical Director
- Conduct a recertification of paramedics completing the program no less than once every three years

Any patient that is in need of the care described in the state Inter-Facility Transfers and Critical Care Patient Transports protocol can be transported by a paramedic, SCT trained paramedic, or CCT paramedic based upon the following list of interventions and designations:

INTER-FACILITY SPECIALTY AND CRITICAL CARE REQUIREMENTS			
ALS = Non SCT/ CCT paramedic (certified in ACLS and PALS per MCA requirements)			
ALS SCT = Paramedic trained in their ambulance agency specific specialty care paramedic program			
ALS CCT = Paramedic certified as a critical care transport paramedic			
Procedure / Equipment / Medication	ALS	ALS SCT	ALS CCT
Procedures / Equipment			
Arterial line monitoring	No	No	Yes
Balloon pump (IABP)	No	No	Yes (1)
Central Line – Use & Maintenance	No	No	Yes
Chest tube	No	Yes	Yes
CVP Line Monitoring	No	No	Yes
ICP Monitoring	No	No	Yes
Swan-Ganz Catheter Monitoring	No	No	Yes

Genesee County Medical Control Authority
 System Protocols
 INTER-FACILITY PATIENT TRANSFERS SUPPLEMENTAL
 CCT and SCT Training Requirements

Transvenous pacing – Maintenance & Troubleshooting (not initiation)	No	No	Yes
Ventilator dependent	Yes (2)	Yes (2)	Yes (2)
Ventilator – newly vented	No	Yes (2)	Yes (2)
Ventricular assist device (LVAD)	Yes (3)	Yes (3)	Yes (3)
Medications			
Albumin	No	No	Yes
Amrinone	No	No	Yes
Bata Blockers - Any Drip	No	No	Yes
Blood products - Any	No	Yes – Transport only (4)	Yes
Cardizem	No	Yes	Yes
Digoxin	No	No	Yes
Dobutamine	No	No	Yes
Epinephrine - Drip	No	No	Yes
Drip Esmolol (Brevibloc)	No	No	Yes
Etomidate	No	No	Yes
Flumazenil (Romazicon)	No	Yes	Yes
Glycoprotein IIb/IIIa Inhibitors	Yes	Yes	Yes
Heparin	Yes	Yes	Yes
Inocor (Inamrinone)	No	No	Yes
Insulin	No	Yes	Yes
Isoproterenol	No	No	Yes
Labetalol	No	Yes	Yes
Levophed (Norepinephrine)	No	No	Yes
Magnesium Sulfate Drip	No	Yes	Yes
Mannitol (Osmitrol)	No	No	Yes
Milrinone (Corotrope, Primacor)	No	No	Yes
Neosynephrine (Phenylephrine)	No	No	Yes
Nesiritide (Natrecor)	No	No	Yes
Nicardapine (Cardene)	No	No	Yes
Nitroglycerine Drip	No	Yes	Yes
Nitroprusside (Nitropress)	No	No	Yes
Nitroprusside (Nipride)	No	No	Yes
Octreotide (Sandostatin)	No	No	Yes
Oxytocin (Pitocin)	No	No	Yes
Paralytics - Any	No	No	Yes
Potassium	No	Yes	Yes
Propofol (Diprivan)	No	No	Yes
tPA or other thrombolytics	Yes	Yes	Yes
Vasopressin (Pitressin)	No	No	Yes

- (1) Must be accompanied by appropriate hospital staff familiar with the equipment
- (2) Must be trained on their agency's transport ventilator
- (3) Must have emergency contact information for responsible VAD program
- (4) If blood products need to be changed during transport then must be CCT transport