

Washtenaw/Livingston MCA
Protocol Table of Contents

Alphabetic Listing of ProtocolsPage v

1. GENERAL POLICY AND PROCEDURES

Transport Protocol.....	1-01
Emergency Response and Utilization of Advanced Life Support, BLS and MFR Units.....	1-02
MFR, Basic and Advanced and Advanced Life Support Units and Services	1-03
Restricted Personnel Medical Treatment Protocol	1-04
On-Scene Physician Interaction	1-05
Multiple Casualty Protocol.....	1-06
Ground Ambulance Service Communications Equipment.....	1-07
Air Ambulance Field Operation.....	1-08
Protocol for Non-Standard Treatment	1-09
Resuscitation and Transport	1-10
Termination of Resuscitation	1-11
Inter-hospital Patient Transfers	1-12
Do-Not-Resuscitate Patients	1-13
Refusing Treatment and/or Transport	1-14
Testing, Certification and Recertification Procedures-Liability Coverage	1-15
Helicopter Credentials.....	1-16
Physician Orientation for On-line Medical Direction	1-17
Due Process.....	1-18
Ground Ambulance Service Dispatch	1-19
Professional Standards Review Organization	1-21
Mutual Aid Requirements	1-22
Research with EMS Involvement.....	1-23
Limitations to Life-Prolonging Therapy	1-24
Ambulance Diversion.....	1-25
Tactical EMS.....	1-26
Bicycle Paramedic Team.....	1-27
No protocol assigned.....	1-28
Adult Trauma Triage.....	1-29
Pediatric Trauma Triage.....	1-30
Communications.....	1-31
MFR Documentation	1-32
MFR Required Equipment List.....	1-33
No protocol assigned.....	1-34
General Hazardous Materials Scene Assessment.....	1-35
Health Insurance Portability Accountability Act (HIPAA).....	1-36
Stroke Treatment and Triage.....	1-37

2. GENERAL MEDICAL PROCEDURES

Emergency Airway Techniques (General Airway Protocol).....	2-01
Standardized Medication/Equipment List for ALS Units	2-02
Southeast Michigan Medication Exchange Procedures	2-03
Southeast Michigan ALS Medication Box Contents/Schematic	2-04
Wayne/Washtenaw/Livingston Regional ALS/LALS IV Supply/Solution Exchange.....	2-05
General IV/IO Protocol (SEM)	2-06
Pleural Decompression Procedure	2-07
Transport of Chronic Ventilator Dependent Patients	2-08
Spinal Injury Assessment and Immobilization.....	2-09
No protocol assigned.....	2-10
Amputated Parts	2-11
Transport Guidelines for High-Risk Delivery.....	2-12
Paralytic Drug Box Exchange Procedure.....	2-13
Universal Precautions.....	2-15

2. GENERAL MEDICAL PROCEDURES, *continued*

General Notification of Prehospital Personnel Regarding Potential Exposures to Communicable Diseases..... 2-16
Transport of Patients with Suspected Acute Myocardial Infarction..... 2-17
Epinephrine Auto Injectors 2-18
Communicable Disease 2-19
12-lead ECG Program 2-20
Nitroglycerin Drip..... 2-21
Transport of Suspected SARS Patients 2-22
Blood Products Administration..... 2-23
Pain Management Adult/Pediatric..... 2-24
CBRNE Weapons of Mass Destruction 2-25
Vacant protocol number 2-26
CPAP..... 2-27

SOUTHEAST MICHIGAN REGIONAL PROTOCOLS

3. CARDIAC

General Pre-Hospital Care 3-00
General Cardiac Arrest 3-01
Asystole/PEA 3-02
Ventricular Fibrillation or Pulseless Ventricular Tachycardia 3-04
Automated External Defibrillators 3-05
Acute CHF/Pulmonary Edema..... 3-06
Symptomatic Bradycardia 3-07
Cardiogenic Shock 3-08
Chest Pain/Suspected Acute Myocardial Infarction..... 3-09
No protocol assigned..... 3-10
External Pacing 3-11
Narrow Complex Tachycardia 3-12
Wide Complex Tachycardia (Presumed Ventricular Tachycardia)..... 3-13

4. ENVIRONMENTAL

Chemical Burns 4-01
Electrical Burns 4-02
Thermal Burns..... 4-03
Rule of Nines..... 4-04
Drowning/Near Drowning 4-05
Frostbite/Hypothermia 4-06
Heat Exhaustion/Heat Cramps 4-07
Heat Stroke..... 4-08
Gas/Smoke Inhalation 4-09
Poisoning 4-10
Radiation Exposure/Hazmat..... 4-11

5. MEDICAL

Adult/Elder Abuse or Neglect 5-01
Altered Level of Consciousness 5-02
Anaphylaxis/Acute Allergic Reaction..... 5-03
Asthma/Wheezing 5-04
Cerebrovascular Accident/Stroke..... 5-05
Chronic Obstructive Pulmonary Disease 5-06
Diabetic Emergencies..... 5-07
Non-Traumatic Hypotension..... 5-08
Obstetrical/Childbirth..... 5-09

SOUTHEAST MICHIGAN REGIONAL PROTOCOLS, *continued*

APGAR Score 5-10
Seizures 5-11
Sexual Assault..... 5-12

6. PEDIATRIC

Cardiac

Pediatric Asystole/PEA 6-01
Pediatric Bradycardia 6-02
Pediatric Narrow Complex Tachycardia 6-03
Pediatric Ventricular Fibrillation/Pulseless Ventricular Tachycardia 6-04
Pediatric Wide Complex Tachyardia 6-05
No protocol assigned..... 6-06
No protocol assigned..... 6-07

Medical

Pediatric Child Abuse..... 6-08
Pediatric Altered Level of Consciousness 6-09
Pediatric Anaphylactic Reaction 6-10
Pediatric Burns 6-11
Pediatric Drug Dosages 6-12
No protocol assigned..... 6-13
Pediatric Poisoning..... 6-14
Pediatric Respiratory Arrest 6-15
Pediatric Respiratory Distress 6-16
Pediatric Seizures 6-17
Pediatric Trauma 6-18

7. TRAUMA

General Trauma Protocol 7-01
Traumatic Hypotension 7-02

8. HAZARDOUS MATERIALS MEDICAL RESPONSE TEAM PROCEDURES

General Hazardous Materials Protocol..... 8-01
Ammonia (Liquid and Gas)..... 8-02
Cyanide Poisoning 8-03
Eye Irrigation 8-04
Hydrogen Fluoride 8-05
Hydrogen Sulfide, Sulfides and Mercaptans 8-06
No protocol assigned..... 8-07
Methemoglobinemia..... 8-08
Organophosphate Poisoning..... 8-09
Sodium Hydroxide 8-10
Chlorine and Related Compounds..... 8-11
Hazardous Materials Drug Box and Exchange Procedure 8-12
Hazardous Materials Medication Box Contents..... 8-13
Hazardous Materials Medication Box Schematic 8-14

9. MOBILE INTENSIVE CARE UNIT (MICU) TREATMENT PROTOCOLS

Table of Contents for MICU Treatment Protocols 9-00
MICU Program Policy 9-01
MICU Transport Capabilities..... 9-02
MICU Medical Director Role/Responsibilities 9-03
MICU Required Equipment List 9-04
MICU Narcotic Drug Box Exchange Procedures 9-05
Generalized Protocol for MICU Transports 9-06
Chest Pain 9-07
Chest Tubes 9-08
Hypotension (Non-Hypovolemic)..... 9-09
Ventilators 9-10
Amiodarone (Cordarone) 9-11
Blood Administration..... 9-12
Cardizem (Diltiazem)..... 9-13
Dilantin (Phenotoin)..... 9-14
Dobutamine (Dobutrex) 9-15
Dopamine (Intropin)..... 9-16
Esmolol (Brevibloc)..... 9-17
Glycoprotein Iib/IIIa Receptor Antagonist..... 9-18
Heparin..... 9-19
Insulin..... 9-20
Labetolol (Normodyne, Trandate)..... 9-21
Magnesium Sulfate..... 9-22
Mannitol (Osmitrol) 9-23
Milrinone (Corotrope, Primacor) 9-24
Morphine Sulfate..... 9-25
Nitroglycerin (Nitro-Bid IV, Nitrostat IV, Tridil)..... 9-26
Nitroprusside (Nitropress)..... 9-27
Norepinephrine (Levophed)..... 9-28
Oxytocin (Pitocin) and related medications 9-29
Paralytics: Non-depolarizing Neuromuscular Blockers (NDMB)..... 9-30
Propofol (Diprivan)..... 9-31
Thrombolytics 9-32
Valium (Diazepam) 9-33
Versed (Midazolam)..... 9-34
Nesiritide 9-35
Procainamide 9-36

Alphabetic Listing of Protocols

1. GENERAL POLICY AND PROCEDURES

Ambulance Diversion..... 1-25
Air Ambulance Field Operation..... 1-08
MFR, Basic and Advanced Life Support Units and Services 1-03
Bicycle Paramedic Team..... 1-27
Communications..... 1-31
Do-Not-Resuscitate Patients 1-13
Due Process..... 1-18
General Hazardous Materials Scene Assessment..... 1-35
Ground Ambulance Service Communications Equipment..... 1-07
Ground Ambulance Service Dispatch 1-19
Health Insurance Portability Accountability Act (HIPAA)..... 1-36
Helicopter Credentials..... 1-16
Inter-hospital Patient Transfers 1-12
Limitations to Life-Prolonging Therapy 1-24
MFR Documentation..... 1-32
MFR Required Equipment List..... 1-33
Multiple Casualty 1-06
Mutual Aid Requirements 1-22
On-Scene Physician Interaction 1-05
Physician Orientation for On-line Medical Direction 1-17
Professional Standards Review Organization 1-21
Protocol for Non-Standard Treatment..... 1-09
Refusing Treatment and/or Transport 1-14
Research with EMS Involvement..... 1-23
Restricted Personnel Medical Treatment Protocol 1-04
Resuscitation and Transport..... 1-10
Stroke Treatment and Triage..... 1-37
Tactical EMS..... 1-26
Termination of Resuscitation 1-11
Testing, Certification and Recertification Procedures-Liability Coverage 1-15
Transport Protocol..... 1-01
Emergency Response and Utilization of Advanced Life Support, BLS and MFR Units..... 1-02

2. GENERAL MEDICAL PROCEDURES

12-lead ECG Program..... 2-20
Amputated Parts 2-11
Blood Products Administration..... 2-23
CBRNE Weapons of Mass Destruction 2-25
CPAP..... 2-27
Communicable Disease 2-19
Emergency Airway Techniques (General Airway Protocol)..... 2-01
General Notification of Pre-hospital Personnel Regarding Potential Exposures to
Communicable Diseases 2-16
Epinephrine Auto Injectors 2-18
General IV/IO Protocol (SEM) 2-06
Nitroglycerin Drip..... 2-21
Pain Management Adult/Pediatric..... 2-24
Paralytic Drug Box Exchange Procedure..... 2-13
Pleural Decompression Procedure 2-07
Southeast Michigan ALS Medication Box Contents/Schematic 2-04
Southeast Michigan Medication Exchange Procedures 2-03
Spinal Injury Assessment and Immobilization..... 2-09
Standardized Medication/Equipment List for ALS Units 2-02

Transport Guidelines for High-risk Delivery	2-12
Transport of Chronic Ventilator Dependent Patients	2-08
Transport of Patients with Suspected Acute Myocardial Infarction.....	2-17
Transport of Suspected SARS Patients	2-22
Universal Precautions.....	2-15
Wayne/Washtenaw/Livingston Regional ALS/LALS IV Supply/Solution Exchange.....	2-05

SOUTHEAST MICHIGAN REGIONAL PROTOCOLS

3. CARDIAC

Acute CHF/Pulmonary Edema	3-06
Asystole/PEA	3-02
Automated External Defibrillators	3-05
Cardiogenic Shock	3-08
Chest Pain/Suspected AML.....	3-09
External Pacing	3-11
General Cardiac Arrest.....	3-01
General Pre-Hospital Care	3-00
Narrow Complex Tachycardia	3-12
Symptomatic Bradycardia	3-07
Ventricular Fibrillation or Pulseless Ventricular Tachycardia	3-04
Wide Complex Tachycardia (Presumed Ventricular Tachycardia).....	3-13

4. ENVIRONMENTAL

Chemical Burns	4-01
Drowning/Near Drowning	4-05
Electrical Burns	4-02
Frostbite/Hypothermia	4-06
Gas/Smoke Inhalation	4-09
Heat Exhaustion/Heat Cramps	4-07
Heat Stroke.....	4-08
Poisoning.....	4-10
Radiation Exposure/Hazmat.....	4-11
Rule of Nines.....	4-04
Thermal Burns.....	4-03

5. MEDICAL

Adult/Elder Abuse or Neglect.....	5-01
Altered Level of Consciousness	5-02
Anaphylaxis/Acute Allergic Reaction	5-03
APGAR Score	5-10
Asthma/Wheezing	5-04
Cerebrovascular Accident/Stroke.....	5-05
Chronic Obstructive Pulmonary Disease	5-06
Diabetic Emergencies.....	5-07
Non-Traumatic Hypotension.....	5-08
Obstetrical/Childbirth.....	5-09
Seizures	5-11
Sexual Assault.....	5-12

SOUTHEAST MICHIGAN REGIONAL PROTOCOLS

6. PEDIATRIC

Cardiac

Pediatric Asystole/PEA 6-01
Pediatric Bradycardia 6-02
Pediatric Narrow Complex Tachycardia 6-03
Pediatric Ventricular Fibrillation/Pulseless Ventricular Tachycardia 6-04
Pediatric Wide Complex Tachycardia..... 6-05

Medical

Pediatric Altered Level of Consciousness..... 6-09
Pediatric Anaphylactic Reaction 6-10
Pediatric Burns 6-11
Pediatric Child Abuse 6-08
Pediatric Drug Dosages..... 6-12
Pediatric Poisoning 6-14
Pediatric Respiratory Arrest..... 6-15
Pediatric Respiratory Distress 6-16
Pediatric Seizures 6-17
Pediatric Trauma 6-18

7. TRAUMA

General Trauma Protocol 7-01
Traumatic Hypotension 7-02

8. HAZARDOUS MATERIALS MEDICAL RESPONSE TEAM PROCEDURES

Ammonia (Liquid and Gas)..... 8-02
Chlorine and Related Compounds..... 8-11
Cyanide Poisoning 8-03
Eye Irrigation 8-04
General Hazardous Materials Protocol..... 8-01
Hazardous Materials Drug Box and Exchange Procedures..... 8-12
Hydrogen Fluoride 8-05
Hydrogen Sulfide, Sulfides and Mercaptans 8-06
Methemoglobinemia..... 8-08
Organophosphate Poisoning..... 8-09
Sodium Hydroxide 8-10

9. MOBILE INTENSIVE CARE UNIT (MICU) TREATMENT PROTOCOLS

Amiodarone (Cordarone) 9-11
Blood Administration..... 9-12
Cardizem (Diltiazem)..... 9-13
Chest Pain..... 9-07
Chest Tubes 9-08
Dilantin (Phenotoin)..... 9-14
Dobutamine (Dobutrex) 9-15
Dopamine (Intropin)..... 9-16
Esmolol (Brevibloc) 9-17
Generalized Protocol for All MICU Transports..... 9-06
Glycoprotein Iib/IIIa Receptor Antagonist..... 9-18
Heparin..... 9-19
Hypotension (Non-Hypovolemic)..... 9-09
Insulin..... 9-20
Labetolol (Normodyne, Trandate)..... 9-21
Magnesium Sulfate..... 9-22
Mannitol (Osmitrol) 9-23
MICU Medical Director Role/Responsibilities 9-03
MICU Narcotic Drug Box Exchange Procedures 9-05
MICU Program Policy 9-01
MICU Required Equipment List 9-04
MICU Transport Capabilities..... 9-02
Milrinone (Corotrope, Primacor) 9-24
Morphine Sulfate..... 9-25
Nesiritide 9-35
Nitroglycerin (Nitro-Bid IV, Nitrostat IV, Tridil)..... 9-26
Nitroprusside (Nitropress)..... 9-27
Norepinephrine (Levophed) 9-28
Oxytocin (Pitocin) and related medications 9-29
Paralytics: Non-depolarizing Neuromuscular Blockers (NDMB)..... 9-30
Procainamide 9-36
Propofol (Diprivan)..... 9-31
Thrombolytics 9-32
Valium (Diazepam) 9-33
Ventilators 9-10
Versed (Midazolam)..... 9-34