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## **MEETING AGENDA**

## MEETING DATE & TIME INFORMATION

• Tuesday, July 22, 2025, 9:00 am - 12:00 pm

## **MEETING LOCATION & ALTERNATE ATTENDANCE INFORMATION**

- Primary Meeting Location: 535 Menlo Drive, Suite A, Rocklin, CA 95675
- Alternate Meeting Location: 1255 East Street, 2<sup>nd</sup> Floor, Redding, CA 96001
- **Zoom:** <u>https://us02web.zoom.us/j/86194610282?pwd=y33pauaobbXL9lcbPqHOj9knP2YUhH.1</u>
- Telephone: (669) 900-9128 Meeting ID: 861 9461 0282 Passcode: 1702

## IMPORTANT NOTIFICATONS

- Public comments on proposed policy/protocol actions listed on this agenda will be taken during the review/discussion of the applicable item. Individuals unable to attend the meeting may provide written public comment on any item listed on this agenda, no later than seven (7) calendar days prior to the scheduled meeting date, by using the following comment form link: <u>https://www.ssvems.com/s-sv-ems-remac-public-comment/</u>.
- Policy/protocol actions listed on this agenda may be approved by a majority vote of the REMAC members present at the meeting. If necessary, proposed policy/protocol actions may be continued to subsequent REMAC meetings until consensus is reached by the committee.
- All REMAC approved policy/protocol actions shall also be approved by the S-SV EMS Medical Director and Regional Executive Director prior to implementation. S-SV EMS may make nonsubstantive corrections to approved policy/protocol actions to address any technical defect, error, irregularity, or omission prior to final publication.
- EMS system participants will be notified of approved policy/protocol actions a minimum of 30 calendar days prior to the effective implementation date. Policy/protocol action updates are routinely published on a bi-annual basis as follows:
  - October & January meeting approved policy actions: April 1<sup>st</sup> implementation date.
  - March & July meeting approved policy actions: October 1<sup>st</sup> implementation date.
- Some policy/protocol actions may require immediate action to maintain compliance with statutes/ regulations, or to preserve medical control/integrity of the EMS system. Policy/protocol actions of this type may be implemented by S-SV EMS as urgency measures and scheduled for discussion at the next regularly scheduled REMAC meeting, if necessary.

## Sierra – Sacramento EMS Agency – REMAC Meeting Agenda

MEETING AGENDA				
ITEM	TITLE	LEADER		
Α	Call to Order/Introductions	Chairperson		
В	Approval of Previous Meeting Minutes	Chairperson		
С	Approval of Meeting Agenda	Chairperson		
D	Public Comment	Attendees		
Е	S-SV EMS Policy/Protocol Actions	S-SV EMS Staff		
	509: Trauma Center Designation Criteria, Requirements & Responsibilities	Michelle Moss		
	854: Unsafe Scene (NEW)	Patrick Comstock		
	1106: Mechanical Chest Compression Devices (REMOVE)	John Poland		
	C-6: Chest Discomfort/Suspected Acute Coronary Syndrome (ACS)	Michelle Moss		
	M-5: Ingestions & Overdoses	Michelle Moss		
	M-8: Pain Management	Michelle Moss		
	M-8P: Pediatric Pain Management	Michelle Moss		
	M-9: CO Exposure/Poisoning	Michelle Moss		
	N-1: Altered Level of Consciousness	Michelle Moss		
	N-2: Seizure	Michelle Moss		
	PR-1: 12-Lead EKG	Michelle Moss		
	PR-2: Airway & Ventilation Management	Michelle Moss		
	R-2: Respiratory Arrest	Michelle Moss		
	T-2: Crush Injuries (NEW)	Michelle Moss		
	T-3: Suspected Moderate/Severe Traumatic Brain Injury (TBI)	Michelle Moss		
	T-4: Hemorrhage	Michelle Moss		
	NEW: Advanced Airway Utilization Form	Brittany Pohley		

## Sierra – Sacramento EMS Agency – REMAC Meeting Agenda

ITEM	TITLE	LEADER
F	EMS Aircraft Provider Reports	Attendees
G	EMS Ground Provider Reports	Attendees
н	Hospital Provider Reports	Attendees
I	Quality Improvement (QI) Case Review	Brittany Pohley
J	S-SV EMS Agency Reports	S-SV EMS Staff
	- EMS Data System	Jeff McManus
	- Clinical Quality Dashboards	Jared Gunter
	- Regional Specialty Committees	Michelle Moss
	- Operations	Patrick Comstock
	- Regional Executive Director	John Poland
	- Medical Director	Troy Falck, MD
к	Next Meeting/Adjournment: October 28, 2025	Chairperson



## Sierra – Sacramento Valley EMS Agency Regional Emergency Medical Advisory Committee (REMAC)



## **MEETING MINUTES**

### **Meeting Date**

## Tuesday, April 22, 2025

A	. Call to Order/Introductions
	• Dr. Royer called the meeting to order at 9:00 am, and all attendees introduced themselves.
В	. Approval of Previous Minutes: January 28, 2025
	<ul> <li>The minutes were unanimously approved by the committee with no changes.</li> </ul>
С	Approval of Agenda
	The committee approved the agenda with no changes.
D	Public Comment
	<ul> <li>Sutter Roseville will have a June Run Review at S-SV EMS.</li> </ul>
	<ul> <li>Mercy Medical Center Mt. Shasta will have a Run Review on 4/29, at 7pm.</li> </ul>
F	REMAC & Policy/Protocol Actions
-	<ul> <li>Jared Gunter reviewed the results of a survey sent out to the providers regarding</li> </ul>
	frequency of the REMAC meetings, as well as feedback.
	• The majority of responders felt the current frequency of meetings was fine
	with no changes.
	<ul> <li>S-SV is trying not to push out too many updates/changes at the same time, to</li> </ul>
	make it easier for the providers.
	<ul> <li>Dr. Royer mentioned that medicine constantly is changing.</li> </ul>
F.	S-SV EMS Policy Actions

Page 1 of 7

#### 1 Policy Actions for Final Review & Approval:

Policy	Name	Motion	Second	Committee Vote
412	Ground Ambulance Provider Rate Approval	Debbie	Dr. Morris	Passed
	Process	Madding		Unanimously
	The EMS Authority has not issued	5		,
	regulations to go along with the statute			
	that was put into place 1/1/24. This has			
	left many LEMSAs in a bit of a lurch to			
	make sure they're consistent with the			
	statute and protecting the providers.			
	This has been taken to the JPA Board			
	twice in the last year and a half, to have			
	them approve the rates of the ground			
	ambulance providers. The challenge has			
	been that rates are being submitted at			
	different times, and rate changes after			
	being approved.			
	<ul> <li>S-SV wanted to make sure there was a</li> </ul>			
	policy outlining the process for providers.			
	<ul> <li>The Policy language is directly from the</li> </ul>			
	statute.			
	<ul> <li>Mr. Poland plans to have a resolution on</li> </ul>			
	the June JPA Board agenda that would			
	have the JPA Board set the rates and			
	give Mr. Poland the authority to increase			
	the rates at a standard cost of living			
	increase. Providers also have the option			
	to raise rates but would need to justify			
	those increases to the JPA Board.			
	<ul> <li>This will not apply to any of the EOA</li> </ul>			
	providers that have contracted with S-SV,			
	or with any public agencies.			
461	Automatic Aid/Mutual Aid/Disaster	Rich	Dr. Morris	Passed
	Assistance (Including FEMP, AST & MIF	Lemon		Unanimously
	Resource Requests)			
	I his is due for routine review, with no			
460	Teconimended changes.	Diah	Dr. Marria	Decod
402	(Note: urgency policy, providually released			Linanimously
	to preserve medical control of the FMS	Lemon		Chanimously
	system)			
	This is a new policy based on an urgency			
	matter S-SV wanted to make sure this			
	was in place before 'wildfire season'.			

	A couple of years ago, the US Forest			
	service changed their process of			
	requesting and securing EMS resources			
	on US Forest responsibility wildfire			
	incidents. The change was a lot of			
	resources coming into California from			
	outside of California. The statutes and			
	regulations do not allow for that to happen			
	cleanly and consistently. The EMS			
	Authority will not give a written legal			
	opinion on questions S-SV has regarding			
	this.			
	<ul> <li>Due to some challenges on both the</li> </ul>			
	operational and clinical side, S-SV wanted			
	some oversight.			
	<ul> <li>Prior to publishing this policy, it was sent</li> </ul>			
	to several subject matter experts in S-SV			
	EMS, the State and the US Forest service			
	staff including their Medical Director – all			
	agreed with the policy.			
710	Management of Controlled Substances	Rich	Dr. Morris	Passed
	(Note: will include discussion on ketamine	Lemon		Unanimously
	availability & required stocking quantities)			
	• On page 1, line 24, 'Morphine sulfate' was			
	removed. It is no longer a requirement for			
	the inventory.			
	<ul> <li>Several providers have talked about the shorteness of lastering measures.</li> </ul>			
	Shortage of Ketamine recently. S-SV			
	ENS will be getting no of the maximum			
806	Unified Paramodic Ontional Scope of	Dr. Morris	Dich	Passad
000	Practice for Qualified Transport Programs	DI. WOITIS		Fasseu
	This is due for routine review with no		Lemon	Onanimousiy
	recommended changes			
	<ul> <li>By 5/15, S-SV EMS must submit the</li> </ul>			
	renewal application to the State Authority			
	Ontional Scope of Practice EMDAC			
	panel. The approval is good 3 years.			
915	MICN Authorization/Reauthorization	Josh Sher	Dr. Morris	Passed
	On page 3. specificity on CEs has been			Unanimously
	added to Item 3.			,
	<ul> <li>If hospitals have budget concerns with</li> </ul>			
	this, effect date 1/1/2026.			
	<ul> <li>Attendance of the REMAC counts as CE</li> </ul>			
	hours for MICN renewals.			

C-1	Non-Traumatic Pulseless Arrest	Debbie	Rich	Passed
	On page 1, If resuscitation attempts do	Madding	Lemon	Unanimously
	not obtain ROSC' was removed, and			
	<ul> <li>On page 2, any occurrence of 'lf no signs</li> </ul>			
	of ROSC' have been replaced with 'If			
	ROSC is not achieved:'.			
	<ul> <li>It was suggested to separate ALS from BLS on page one on the 'Termination of</li> </ul>			
	Resuscitation' box.			
	On page 1, in the 'Termination of			
	remove 'AED' from the ALS number (2).			
	On page 2, it was suggested to remove			
	'see page 1' from the non-shockable			
	point to the first page.			
	• On page 2, in the very center of the page			
	under the inverted pentagons, it was			
	pointing in the opposite direction.			
C-5	Ventricular Assist Device (VAD)	Rich	Dr. Morris	Passed
	This is due for routine review, with no	Lemon		Unanimously
	recommended changes.			
E-1	Hyperthermia	Debbie	Dr.	Passed
	• This is due for routine review, with no	Madding	Goldsmith	Unanimously
	recommended changes.			
R-3	Acute Respiratory Distress	Rich	Dr. Morris	Passed
	• On page 2, under asthma, the addition of	Lemmon		Unanimously
	Magnesium Sulfate for the treatment of asthma			
PR-3P	Pediatric Pleural Decompression	Debbie	Dr. Morris	Passed
	This is a new protocol.	Madding		Unanimously
	• This includes a weight chart using regular	_		
	catheter needles and shouldn't require			
	any additional purchases.			
	<ul> <li>This was velied with Pediatric Surgeons as well.</li> </ul>			

#### G. Law Enforcement Response to Behavioral Crisis Incidents

- Recently, the courts ruled that law enforcement is not given immunity if they go into a house where no crime is being committed and put hands on someone and cause any type of bodily injury.
- Now, if someone calls 911 and says their loved one is having a behavioral emergency, many law enforcement agencies will not go into the house unless a crime is being committed.
- S-SV has not yet made a policy for this. Refusal of care will be used currently.
- If a scene is unsafe, crews should not be going in.
- There was some discussion by the committee.
- Any ideas/suggestions should be sent to Patrick.

#### H. EMS Aircraft Provider Updates

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47 48  Calstar 3 in Auburn – is moving forward with a blood agreement with Roseville. Once that gets going, they hope to expand that. This will be the first REACH helicopter in Sacramento Valley area with blood. They have on-going conversations with UC Davis for the REACH 17 micro base. REACH 7 & 80 will be next.

#### I. Ground EMS Provider Updates

- Dignity Healthcare:
  - They have put video-laryngoscope on the trucks.
  - They're working on airway improvement.
  - The standby season has started with the Red Bluff roundup.
  - BiCounty:
    - They just completed a demo of the air-track video laryngoscope. They will possibly be purchasing these.

#### J. Hospital Provider Reports

- Mercy Medical Center Redding they're preparing for Memorial Day weekend. They have an MICN class on 5/1. They have a STEMI Run Review in March and will have a Stroke Run Review in October. They continue to train their new crews on triage tags.
- UC Davis they have a couple of construction cranes going up before Memorial Day, there will be official communication regarding the flight path.
- Mercy Medical Center Mt. Shasta Trauma Run Review on 4/29, at 7pm with a zoom option.
- Rideout having their annual Trauma Symposium on 5/6 in Roseville.

#### K. Quality Improvement (QI) Case Review

• Brittany Pohley presented an MICN case review.

#### L. S-SV EMS Agency Reports

#### EMS Data System

- The 3.5.1 update is still coming.
- The State released a preliminary look at the limited list. They are coming out with a medication and procedure list.
- 7/1 calls are going to start to fail from the update that occurred on 1/1/25 on the schematron.
  - Jeff is working on a list for E-protocols 01, to be added to your current data set.

# • EMS Quality Management/QI Matters (including the new S-SV EMS Performance Measures Process)

- Still working on the Regional Training Module which will hopefully be ready in mid-May.
- The PAC committee is in charge of the airway module which should be ready on 6/1.
- QI Indicators previously, S-SV EMS was tracking about 25 CPIs, this year it has been expanded to about 45 indicators. These are things hospitals can't control to where we're at. These will be distributed to the committee members. There are also EMS indicators.

#### Regional Specialty Committees

- The STEMI committee met in March.
- The next Trauma QI Committee meeting will be in May. EMS and HEMS are welcome to attend.
- Trauma hospitals are changing Trauma registries again.

#### • Operations

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- Non-EOA provider renewals will be sent out in June. Renewals will not be approved until they have been paid.
- Ambulance Inspections are now following the calendar year, and not the fiscal year.
- Fire season is coming up.
- There are currently some Tylenol shortages.

#### • Regional Executive Director's Report

- Continue to work towards a 24 month contract with AMR in Placer County. S-SV EMS is going to sign a contract with Health Strategists based on an RFP to do a system assessment of Western Placer County EMS System. This should be done by the end of this calendar year.
- EMS Authority Chapter 1 Still in progress. EMSA has completed the large stakeholder group meetings, but may have individual stakeholder meetings.
- Chapter 1.2 is the new Ambulance Patient Offload Time (APOT) regulations EMSA published a proposed emergency regulation public comment period and then quickly rescinded it. They plan on republishing it for a public comment period soon.
- Chapter 3 is the professional standards. EMSA is beginning to review these and should have the rule making process/public comment period mid-2025.
- Chapter 6 is the STEMI/Stroke/Trauma/EMS for Children. The initial comment period has concluded. There should be another public comment period.
- Chapter 5 is the Community Paramedicine Triage Alternate Destination which is being worked on by the EMSA to include the new post-hospital discharge follow-up section.
- AB645 would require all dispatchers for public agencies to have emergency medical dispatch training. Initially it would have applied to all dispatchers but has been amended to exclude law enforcement only dispatchers.
- SB582 would require long term health facilities to submit their disaster and evacuation plans to the county/Medical Health Operation Area Coordinator (MHOAC) program for review. There won't be an approval process. The MHOAC will have an opportunity to provide feedback.
- SB796 would require the EMSA to be the optional skills approval entity for State agencies. The intent is for this to apply to public safety/first-aid personnel.

- There's a bill for epinephrine for schools that changes auto injectors to an FDA approved administration device -which is cost related.
  - There's a bill to allow rescue dogs/canines to be transported by ambulance to the vet if there are no patients that need to be transported.
  - The 2024 S-SV EMS Plan was approved by the State. It's posted on the website.

#### M. Medical Director's Report

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• Looking forward to recognizing/celebrating the providers during EMS Week (May 18-24).

#### K. Next Meeting Date & Adjournment

- The next meeting will be on July 22, 2025, at 9:00 am.
- The meeting was adjourned at 10:49 am.

Sierra – Sacramento Valley EMS Agency Program Policy				
Trauma Center Designation Criteria, Requirements & Responsibilities				
BANENTO VALLAL	Effective:	Next Review: DRAFT	509	
F3-VUR	Approval: Troy M. Falck, MD – Medical Director		DRAFT	
	Approval: John Poland –	Executive Director	DRAFT	

## PURPOSE:

To establish Trauma Center designation criteria, requirements, and responsibilities.

## AUTHORITY:

- A. HSC, Division 2.5, Chapter 2 § 1797.67 & 1797.88, Chapter 6 § 1798.102, 1798.150, 1798.170, and 1798.172.
- B. CCR, Title 22, Division 9, Chapter 7.

## **DEFINITIONS:**

- A. Level I Trauma Center A Level I Trauma Center has the greatest amount of resources and personnel for care of the injured patient. Typically, it is also a tertiary medical care facility that provides leadership in patient care, education, and research for trauma, including prevention programs.
- B. Level II Trauma Center A Level II Trauma Center offers similar resources as a Level I Trauma Center, differing only by the lack of research activities required for Level I Trauma Center designation.
- C. Level I and II Pediatric Trauma Center Level I and II Pediatric Trauma Centers focus specifically on pediatric trauma patients. Level I Pediatric Trauma Centers require some additional pediatric specialties and are research and teaching facilities.
- D. Level III Trauma Center A Level III Trauma Center is capable of assessment, resuscitation, and emergency surgery, if warranted. Injured patients are stabilized before transfer, if indicated, to a facility with a higher level of care according to preexisting arrangements.
- E. Level IV Trauma Center A Level IV Trauma Center is capable of providing 24-hour physician coverage, resuscitation and stabilization to injured patients before they are transferred, if indicated.

1	POLICY:			
2				
3	Α.	Criteria for identification, treatment and transport of prehospital trauma patients shall		
4		be based on S-SV EMS Trauma Triage Criteria Policy (860) and General Trauma		
5		Management Protocol (1-1).		
0 7	В	S-SV EMS will perform a trauma system needs assessment prior to designating any		
/ 8	D.	additional trauma centers in the S-SV FMS region		
9				
10	C.	The following criteria shall be met for a hospital to be designated as a Trauma Center		
11		by S-SV EMS:		
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13		1. Be licensed by the California Department of Public Health Services as a general		
14		acute care hospital.		
15				
16		2. Have a special permit for basic or comprehensive emergency medical service,		
17		pursuant to the provisions of California Code of Regulations Title 22, Division 5.		
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19		3. Be accredited by a Centers for Medicare and Medicaid Services approved		
20		deeming authority.		
21		4. Maat all requirements contained in California Cada of Demulations Title 22. Division		
22		4. Meet all requirements contained in California Code of Regulations Title 22, Division		
23 24		9, Chapter 7, for the applicable level of trauma Center designation.		
24 25		5 Continuously meet the minimum standards published in the current edition of the		
25		American College of Surgeons Committee on Trauma (ACS-COT) Resources for		
27		Optimal Care of the Injured Patient document.		
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29		6. <u>Continuously</u> meet the ACS-COT and/or S-SV EMS Trauma Center Verification		
30		requirements contained in this policy.		
31				
32		7. Agree to accept the transfer of major trauma patients whose clinical condition		
33		requires a higher level of care than can be provided at the sending facility unless		
34		the Trauma Center is on trauma diversion or internal disaster.		
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36		8. Have a written transfer agreement with a higher-level I rauma Center, if applicable,		
37		providing for the transfer of trauma patients whose clinical condition requires a		
38		nigher level of care than can be provided at their facility.		
39		0 Enter all required trauma nations data into the S SV/EMS regional trauma registry		
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+⊥ ∕\?		Each trauma center shall submit trauma natient data in an agreed upon format		
42 12		and within the time requirements published in the most current edition of the		
45 44		ACS-COT Resources for the Ontimal Care of the Injured Patient document		

## Trauma Center Designation Criteria, Requirements & Responsibilities

1		<ul> <li>Each trauma center shall ensure that the data entered into the S-SV EMS</li> </ul>
2		regional trauma registry is valid and without known errors.
3		<ul> <li>Level I, II and III trauma centers located within the S-SV EMS region shall</li> </ul>
4		provide S-SV EMS with their American College of Surgeons Trauma Quality
5		Improvement Program (ACS TQIP®) Benchmark Report on a bi-annual basis.
6		
7		10. Submit all required trauma patient data to the California EMS Authority data
8		management system, as required by California Code of Regulations Title 22,
9		Division 9, Chapter 7.
10		
11		11. Actively participate in the S-SV EMS regional trauma system quality improvement
12		(QI) process, which includes required attendance at S-SV EMS Trauma QI
13		meetings by the Trauma Medical Director and Trauma Program Manager.
14		
15		12. Have a QI process in place to, at a minimum:
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17		<ul> <li><u>Provide ongoing feedback related to trauma care for:</u></li> </ul>
18		1. Transferring hospitals who transfer patients for trauma services.
19		2. EMS provider agencies for patients who meet trauma triage criteria.
20		• Promptly resolve and/or develop Process Improvement Plans (PIPs) to
21		address QI issues identified through the following processes:
22		1. Deficiencies/Opportunities for Improvement (OFI) identified by the
23		ACS-COT during routine site reviews.
24		2. S-SV EMS QI process.
25		3. Internal QI process.
26		13. Provide CE opportunities, a minimum of four (4) hours per year, for EMS personnel
27		in areas of trauma care.
28		
29		14. Maintain active injury prevention programs targeted at reducing preventable
30		injuries in the community.
31		
32		15. Pay the applicable initial/annual S-SV EMS Trauma Center designation fees.
33		
34	D.	Trauma Center diversion of patients meeting trauma triage criteria shall only occur
35		during times of an internal disaster, or when emergent trauma services are otherwise
36		unavailable.
37		
38		1. The following entities shall be notified as soon as possible of any event resulting
39		in trauma services being unavailable, and when trauma services are subsequently
40		available:
41		
42		• S-SV EMS.
43		<ul> <li>Trauma center emergency department – to include a status posting on</li> </ul>
44		EMResource indicating trauma services are unavailable.

## Trauma Center Designation Criteria, Requirements & Responsibilities

1		<ul> <li>Appropriate adjacent trauma centers.</li> </ul>
2		Appropriate prehospital provider agencies.
3		
4		2. An S-SV EMS ambulance patient diversion form describing such events shall be
5		submitted to S-SV EMS by the end of the next business day.
7		
, 8	TROOLD	ONE.
٥ ۵	Δ	Any hospital seeking S-SV EMS Trauma Center designation shall submit a letter of
10	73.	intent to the S-SV FMS Regional Executive Director. The letter of intent shall be on
11		hospital letterhead and include a minimum of the following.
12		noopilal lottornoud and moldade a minimalit of the following.
13		1. The requested level of Trauma Center designation and anticipated start date for
14		the provision of trauma services.
15		
16		2. Identification of the Trauma Program Medical Director, Trauma Program Manager
17		and Trauma Program Registrar.
18		
19		3. Confirmation of commitment and support by hospital administration and physician
20		staff for the applicable level of Trauma Center designation, including signatures of
21		the hospital Chief of Staff and Chief Executive Officer.
22		
23	В.	Within 90 calendar days of receiving a letter of intent that complies with the criteria
24		listed in this section of the policy, S-SV EMS will perform a trauma system needs
25		assessment. The S-SV EMS Regional Executive Director will consequently make a
26		designation recommendation to the S-SV EMS JPA Governing Board of Directors
27		based on the results of the trauma system needs assessment.
28	0	
29	C.	Upon direction from the S-SV EMS JPA Governing Board of Directors to proceed with
30		the Trauma Center designation process, the following will occur:
31		1 S SV EMS will actablish a Trauma Captor contract with the boasital
5∠ 22		
21		2 The bosnital shall complete a Trauma Center consultative review:
25		
36		An ACS-COT Consultative Review is required for any hospital requesting Level
30		I II or III Trauma Center designation
38		<ul> <li>An S-SV EMS Consultative Review is required for any hospital requesting Level</li> </ul>
39		IV Trauma Center designation
40		
41		3. The S-SV EMS Regional Executive Director. in consultation with the S-SV EMS
42		Medical Director, will make a recommendation to the S-SV EMS JPA Governing
43		Board of Directors to grant or deny S-SV EMS Trauma Center designation based
44		on the results of the consultative review.

- The hospital shall obtain ACS-COT or Level IV S-SV EMS Verification within three (3) years of completion of the consultative review to maintain S-SV EMS Trauma Center designation.
  - D. Failure to maintain ACS-COT or Level IV S-SV EMS Verification or comply with any of the criteria/standards contained in this policy, applicable statutes/regulations and/or S-SV EMS Trauma Center contracts may result in probation, suspension, denial, or revocation of S-SV EMS Trauma Center designation.
- E. The S-SV EMS JPA Governing Board of Directors shall have final authority in any Trauma Center designation matters.

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Sierra – Sacramento Valley EMS Agency Program Policy				
Unsafe Scene				
RAMENTO VALLAL	Effective: DRAFT	Next Review: DRAFT	854	
NS-PH	Approval: Troy M. Falck, MD – Medical Director		DRAFT	
13 1 2 2 1- * - *	Approval: John Poland –	Executive Director	DRAFT	

## PURPOSE:

To establish procedures for mitigating unsafe scenes and provide direction to EMS personnel who determine that a scene cannot be made safe.

## AUTHORITY

- A. HSC, Division 2.5, § 1797.204, 1797.220, and 1798.
- B. CCR, Title 22, Division 9.

## **DEFINITIONS:**

- A. Appropriate Agency Any public or private agency, department, or company who could respond to an unsafe scene to make the scene safe for EMS personnel, including, but not limited to:
  - 1. Law enforcement.
- 2. Animal control.
  - 3. Fire departments/districts.
  - 4. Environmental health.
  - 5. Power/electric companies.
- 6. Tow companies.
  - B. **Safe Scene** Any scene that does not pose a known or assumed threat to EMS personnel safety.
  - C. Staging A safe location, normally within close proximity to the incident scene, where EMS personnel/resources can temporarily assemble until the scene can be made safe or EMS personnel determine that a scene cannot be made safe according to the procedures contained in this policy.

## Unsafe Scene

1	D. Unsafe Scene – Any scene that poses a known or assumed threat to EMS personne			
2		safety, including, but not limited to:		
3				
4		1. Aggressive/violent patient or bystander(s).		
5				
6		2. The presence of aggressive/dangerous animals.		
7				
8		3. Hazardous material incidents.		
9				
10		4. Downed powerlines.		
11				
12		5. Structural instability.		
13				
14		6. Civil unrest.		
15		7. The people process of weapons		
10		7. The possible presence of weapons.		
10				
10	FULICI.			
20	Δ	EMS personnel should not enter or be encouraged to enter an upsafe scene		
20	Λ.	Lino personnel should not enter of be encouraged to enter an unsale scene.		
21	В	If a scene becomes unsafe after their arrival EMS personnel should retreat to a safe		
22	Β.	location as quickly as possible		
23				
25	C.	EMS personnel shall request an appropriate agency to respond to an unsafe scene to		
26	0.	attempt to make the scene safe.		
27				
28	PROCEDURE:			
29				
30	Α.	If EMS personnel are informed that a scene is unsafe, arrive to find an unsafe scene,		
31		or a scene becomes unsafe after their arrival, they shall request an appropriate		
32		agency to respond to make the scene safe:		
33				
34		1. If EMS personnel have arrived at a scene that is unsafe or later becomes unsafe:		
35				
36		<ul> <li>They may attempt to verbally de-escalate the situation, if applicable.</li> </ul>		
37		• They should retreat from the scene to a safe location as quickly as possible.		
38		Once they are in a safe location, EMS personnel shall inform dispatch of the		
39		situation and request an appropriate agency to respond.		
40				
41		2. Once staging, EMS personnel shall request via dispatch an ETA of the appropriate		
42		agency.		
43				
44				

## Unsafe Scene

1 2 3 4		3. If an extended ETA is given, or the requested appropriate agency is unable/ unwilling to respond, EMS personnel shall immediately contact their supervisor for directions to either continue staging until the scene is safe or return to service. In making this determination, supervisor staff shall consider the following:
5		The nature of the original request for service
0		<ul> <li>What is causing the scene to be unsafe</li> </ul>
, 8		<ul> <li>Alternative appropriate agencies that can be requested to make the scene safe</li> </ul>
9		• Alternative appropriate agencies that can be requested to make the scene sale.
10		4. FMS personnel may also consult with a base/modified base hospital to explain
11		the unsafe scene and discuss possible alternative options.
12		
13	Β.	If EMS personnel are staging due to an unsafe scene, they are considered to have
14		'arrived at scene' and shall follow the S-SV EMS Documentation Policy accordingly.
15		The following information shall be documented in the ePCR for any incident where
16		EMS personnel determine that a scene cannot be made safe and return to service:
17		
18		<ol> <li>The narrative section shall include the following additional information:</li> </ol>
19		
20		<ul> <li>The nature of the call reported by dispatch.</li> </ul>
21		The cause of the unsafe scene.
22		How EMS personnel remained safe, and any actions taken by EMS personnel
23		on scene to attempt to mitigate the unsafe scene.
24		• Actions taken to get an appropriate agency to respond to and/or mitigate the
25		unsafe scene.
26		• A detailed explanation of the discussion with the supervisor and the direction
27		provided.
28		• Identification of the base/modified base hospital contacted, and any direction
29		provided by the base/modified base hospital, if applicable.
30		• A statement indicating that EMS personnel returned to service due to an unsafe
31		scene.
32		
33		2. 'Patient Access' should be selected under the 'Transport Delay' drop down box.
34		
35		3. 'Back in Service, No Care/Support Services Required' should be selected under
36		the 'Crew Disposition' drop down box.
37		
38	C.	Prehospital provider agencies shall notify S-SV EMS ( <u>DutyOfficer@ssvems.com</u> ) by
39		the end of the next business day of any incident where their EMS personnel
40		determined that a scene could not be made safe and return to service.



Page 1 of 2



Sierra – Sacramento Valley EMS Agency Treatment Protocol

C-6

Chest Discomfort/Suspected Acute Coronary Syndrome (ACS)

## ADDITIONAL ALS TREATMENT & PT DESTINATION







## **Ingestions & Overdoses**

## Agent Specific Therapy

### **Activated Charcoal**

### BASE/MODIFIED BASE HOSPITAL PHYSICIAN ORDER ONLY

Activated charcoal is an agent used for gastric decontamination following overdose ingestion. Clinical research only supports its use when given early after ingestion. While activated charcoal may be helpful when given rapidly after an overdose, it is very important to avoid administration in cases where potential contraindications exist.

















Sierra – Sacramento Valley EMS Agency Treatment Protocol **PR-1** 12-Lead EKG Effective: 12/01/2024 Approval: Troy M. Falck, MD – Medical Director Approval: John Poland – Executive Director Next Review: 07/2027 INDICATIONS 12-lead EKG procedures shall be performed on pts who present with one or more of the following: • Sign/symptoms suggestive of acute coronary syndrome (ACS) such as: - Non-traumatic chest or upper abdominal discomfort Acute generalized weakness - Syncope/near-syncope - Dyspnea Cardiac dysrhythmias on 4-lead EKG ROSC following cardiac arrest **PRE-PROCEDURE**  Assess vital signs including SpO<sub>2</sub> Administer O<sub>2</sub> as indicated by clinical condition PROCEDURE • Prepare EKG monitor and connect 12-lead cables Utilize packaged electrodes designed for single pt use (not bulk) • Prep skin as necessary (e.g. wiping with 4x4 gauze, shaving) • Enter, at a minimum, pt's age, gender, and last name/first initial into the cardiac monitor Apply chest leads using the landmarks indicated on Diagram A • While acquiring the 12-lead EKG: - Position pt away from 60hz RF noise (light switches, smartphones, LED lights, etc.) - Position pt supine, or semi-fowler with their arms at their side and legs uncrossed - Instruct pt to breath normally and remain still - Don't converse with or touch pt during acquisition Interpret the EKG findings • If isoelectric line has significant artifact or machine reads "poor data quality" (or equivalent), attempt to reacquire a clean 12-lead EKG if pt condition allows If a posterior 12-lead EKG is indicated, move leads V4 – V6 from the chest and apply posteriorly as indicated in Diagram B. Print the 12-lead and manually label leads V4 – V6 as V7 – V9 В **POST-PROCEDURE**  12-lead EKG's meeting STEMI criteria shall be transmitted to the appropriate facility (closest hospital or STEMI Receiving Center depending on incident specific circumstances) as soon as possible if transmission capabilities are available

- For pts with suspected ACS, serial 12-lead EKGs should be obtained if the pt's clinical status changes or if EKG changes are noted on the cardiac monitor, and every 15 minutes if transport times are long
- Copies of 12-lead EKGs shall be provided to the receiving hospital physician upon EMS arrival, left at the receiving hospital at time of pt delivery, and attached to the EMS pt care report (PCR)



### Sierra – Sacramento Valley EMS Agency Treatment Protocol

#### Airway & Ventilation Managment

PR-2

## Approval: Troy M. Falck, MD – Medical Director

Approval: John Poland – Executive Director

Effective: 04/01/2025

## Next Review: 01/2028

#### **INDICATIONS**

• Airway & ventilation management techniques may include: basic airway maneuvers, use of airway adjuncts (e.g., oropharyngeal or nasopharyngeal airways), & advanced airway procedures (e.g., endotracheal intubation, supraglottic airway devices, or cricothyrotomy) based on the situation & the provider's level of training – Indications for airway management may include but are not limited to:

- Cardiac arrest

- Obstructed airway

- Severe shock (hemorrhagic, septic, cardiogenic)
- Respiratory distress/failure - Altered mental status
- Trauma/burns/smoke inhalation
- An i-gel SGA is the preferred advanced airway device & should be attempted prior to ET intubation unless video laryngoscopy is available & the ALS provider has completed training for that device
- During cardiac arrest, advanced airway placement should not delay or interrupt CPR & shall not be considered until after the 1<sup>st</sup> round of defibrillation (if indicated) & administration of epinephrine
- <u>If a functioning i-gel SGA is in place & there are no clinical signs of ventilatory insufficiency,</u> <u>the i-gel SGA shall not be replaced by ET intubation</u>

#### **BLS AIRWAY PROCEDURE**

- Look, Listen, and Feel for level of responsiveness, chest movement, breath sounds, obstructions
- Positioning of unresponsive pts:
- Place in the Head Elevated Laryngoscopy Position (HELP) to facilitate alignment of the pharyngeal, laryngeal & oral axis of the airway
- Use the Head-Tilt/Chin-Lift, Jaw-Thrust, or Lateral Recovery Position (as appropriate)
- Remove visible obstructions &/or suction fluids as necessary, limiting suctioning to 10-15 secs
- Maintain airway patency insert OPA/NPA as appropriate



#### BAG-VALVE-MASK (BVM) VENTILATION PROCEDURE BVM ventilation should be performed by two rescuers whenever possible

- Attach oxygen to BVM at a minimum flowrate of 10-15 L/min
- For one rescuer ventilation, position the mask over the nose & mouth & ensure a tight seal with an E-C clamp technique
- Squeeze the bag slowly, delivering breath over 1-2 secs
- Deliver only enough volume to achieve normal chest rise & fall \*\*avoid excessive ventilation\*\*
- If utilizing a Positive End Expiratory Pressure (PEEP) valve, maintain between 5-10 cmH<sub>2</sub>O. Do not utilize PEEP in any of the following circumstances:
  - Suspected pneumothorax
  - Suspected TBI or increased intracranial pressure
- Hypovolemic shock
- Ventilate to maintain SpO<sub>2</sub> & EtCO<sub>2</sub> within appropriate range for pt condition
- An Impedance Threshold Device (ITD) may be utilized in adult non-traumatic pulseless arrest pts; however, two rescuers are required to maintain effectiveness if no advanced airway is in place





### Airway & Ventilation Managment

#### i-gel SUPRAGLOTTIC AIRWAY (SGA) PROCEDURE

### **Contraindications:**

- Intact gag reflex

#### **Relative Contraindications:**

- Trismus or limited ability to open the mouth

- Caustic ingestion
- Oral trauma
  - Distorted anatomy that prohibits device placement
- Unresolved complete airway obstruction • If a functioning i-gel SGA is in place & there are no clinical signs of ventilatory insufficiency, the i-gel SGA shall not be replaced by ET intubation
- Pre-oxygenate pt with high-flow O<sub>2</sub>, via NRM or BVM as appropriate, for a minimum of 3 mins
- Administer 10-15 L/min  $O_2$  via NC, in addition to NRM/BVM  $O_2$  to augment pre-oxygenation
- Select the correct size i-gel SGA device
- Lubricate the back & sides of the i-gel SGA device with a water-based lubricant
- Place the pt in a sniffing position or use a Jaw-Thrust maneuver if spinal injury is suspected
- Grasp the i-gel SGA device by the proximal end with the dominant hand, making sure the cuff is pointing downwards & the airway tube is aligned in the midline
- Gently press down on the chin & introduce the soft tip into the mouth towards the hard palate
- Glide the i-gel SGA device downwards & backwards Along the hard palate with a continuous but gentle Push until a definitive resistance is felt
- Begin ventilating with a BVM at the appropriate ventilation rate
- Follow ADVANCED AIRWAY DEVICE PLACEMENT **CONFIRMATION & POST-PROCEDURE** instructions on page 3



#### ENDOTRACHEAL (ET) INTUBATION PROCEDURE

- ET intubation attempts should last no more than 30 secs
- Pre-oxygenate pt with high-flow O<sub>2</sub>, via NRM or BVM as appropriate, for a minimum of 3 mins
- Administer 10-15 L/min O<sub>2</sub> via NC, in addition to NRM/BVM O<sub>2</sub> to augment pre-oxygenation
- Assemble/prepare all equipment prior to ET intubation attempt
- Consider utilizing an ET tube introducer
- Follow manufacturer's directions for use specific to the laryngoscope utilized (direct laryngoscopy or video laryngoscopy)
- Visualize the vocal cords & pass the ET tube through the cords & into the trachea, approx. 2-3 cm beyond the cords
- A common depth is approximately 21 cm for women/23 cm for men (measured at the teeth)
- Inflate the ET tube cuff with 5-10 mL of air
- Begin ventilating with a BVM at the appropriate ventilation rate
- If required, prior to 2<sup>nd</sup> ET attempt ventilate with 100% oxygen for a minimum of 1 min
- Follow ADVANCED AIRWAY DEVICE PLACEMENT CONFIRMATION & POST-PROCEDURE instructions on page 3



Airway & Ventilation Managment

**Contraindications:** 

#### NEEDLE CRICOTHYROTOMY PROCEDURE

#### Indications:

- Severe airway obstruction
- Failed intubation with an inability to ventilate using other methods
- Conscious pt Presence of midline neck hemotome or massi

- Pt age <3 yo or estimated weight <15 kg

- Presence of midline neck hematoma or massive subcutaneous emphysema
- Do not perform procedure in a moving ambulance
- Assemble/prepare all equipment prior to procedure attempt
- Position pt supine with the neck slight extended (if no cervical spine injury suspected)
- Locate the cricothyroid membrane
- Palpate for the depression between the thyroid cartilage (Adam's apple) & the cricoid cartilage
- Attach a 10 mL syringe filled with 5 mL NS to the airway catheter
- If utilizing a 12ga, 3" airway catheter: With the bevel facing up, insert the needle through the skin at a 45° angle caudally into the cricothyroid membrane penetrating the skin & cricothyroid membrane with the needle
- If utilizing a Rusch® QUICKTRACH® Needle Cricothyrotomy Device: Puncture the skin & underlying cricothyroid membrane at a 90° angle with the needle, then adjust angle to 45° after penetrating the cricothyroid membrane
- Advance the catheter/cannula, aspirating with the syringe until bubbles are observed in the NS
- Continue advancing the catheter/cannula into the trachea while withdrawing the needle
- Secure in place, ensuring it is fixed to avoid displacement
- Begin ventilating with a BVM at the appropriate ventilation rate

#### ADVANCED AIRWAY DEVICE PLACEMENT CONFIRMATION

- Using a stethoscope, check for the absence of gurgling sounds over the epigastrium & the presence of equal breath sounds over the lungs while observing for chest rise and fall. When an ET tube is in place, no sounds should be heard over the epigastrium. Gurgling may still be heard in pts who are breathing spontaneously or when an i-gel SGA device is in place
- Attach an EtCO<sub>2</sub> monitoring device, which must remain in place until arrival to the hospital or cessation of resuscitation efforts
- At least four (4) of the following techniques must be utilized to confirm advanced airway placement
  - Bilateral breath sounds
- Bilateral chest rise and fall
- Consistent EtCO<sub>2</sub> waveform
- Change in Colorimetric  $CO_2$  detector from purple to yellow
- Condensation in the airway tube SpO<sub>2</sub> rising to/or remaining above 94%
- ALS/LALS personnel must immediately confirm patency of an advanced airway placed by an EMT

#### POST-PROCEDURE

- Airway patency must be reassessed at a minimum of every 15 mins and:
  - Each time the patient is moved If ventilation becomes difficult
- If vital signs, including SpO2 & EtCO2 change unexpectedly
- If a pt with an advanced airway in place regains consciousness:
- Use restraints as necessary to avoid displacement of the advanced airway device
- Consider sedation with Midazolam 10 mg IV/IO/IM/IN for adult pts (may repeat same dose x 1)
- Contact base/modified base hospital for pediatric Midazolam dosing if needed
- Document all methods/devices used to confirm advanced airway device placement in the PCR







#### Page 1 of 1



#### Hemorrhage

#### Approval: Troy M. Falck, MD – Medical Director

Effective: 04/01/2025

## Approval: John Poland – Executive Director

Next Review: 01/2028

#### Tourniquet Devices:

- Any windlass style device included on the current Committee on Tactical Combat Casualty Care (CoTCCC) recommended Limb Tourniquets (non-pneumatic) list may be utilized by EMS personnel.
- Tourniquets applied by lay rescuers or other responders shall be evaluated for appropriateness and may be adjusted or removed if necessary improvised tourniquets should be removed by prehospital personnel.
- If application is indicated and appropriate, a commercial tourniquet should not be loosened or removed by prehospital personnel unless time to definitive care will be greatly delayed (>2 hrs).

#### Hemostatic Dressings:

• Any hemostatic agent that is incorporated into gauze (no loose granules/particles) included on the current Committee on Tactical Combat Casualty Care (CoTCCC) recommended Hemostatic Dressings list may be utilized by EMS personnel.



### Hemorrhage

## T-4

## Tranexamic Acid (TXA) Administration

#### TXA Administration Notes:





# ADVANCED AIRWAY MANAGEMENT CHECK LIST

TYPE OF INTUBATION	EQUIPMENT PREPARATION		
<ul> <li>Video Laryngoscopy</li> <li>Direct Laryngoscopy</li> </ul>	<ul> <li>Proper ET Size selected</li> <li>ET Cuff tested</li> <li>Test VL camera (if applicable)</li> <li>Tested DL blade (if applicable)</li> <li>Bougie available</li> <li>Suction tested and prepared</li> <li>Secondary airway device prepped (Igel)</li> <li>ETC02 applied to BVM</li> <li>ET tube tamer prepared Assigned assistant for procedure/Communicated plan</li> </ul>		
PRIMARY IMPRESSION	INTUBATION		
<ul> <li>Cardiac Arrest</li> <li>Respiratory Arrest/Distress</li> <li>Trauma</li> <li>Other</li> </ul>	<ul> <li>Tip of blade midline in the vallecula</li> <li>Rigid stylet or Bougie utilized</li> <li>Suction utilized</li> <li>Visualization of tube passing through cords</li> <li>Tube advanced 2-3cm passed cords</li> <li>Cuff inflated properly</li> <li>Attempt &lt;30 seconds</li> <li>Attempt 30-60 seconds</li> <li>Attempt &gt;60 seconds</li> <li>Tube Secured</li> <li>Chest compressions continuous</li> </ul>		
	<ul> <li>POST INTUBATION</li> <li>ETC02, BP, and Sp02 assessed/documented within 5' of placement</li> <li>Tube Placement Verified:         <ul> <li>Bilateral lung sounds</li> <li>ETC02 (waveform and Quantitative)</li> <li>Absent Epigastric sounds</li> <li>Fogging of the tube</li> <li>By ED Physician/BT upon transfer</li> </ul> </li> </ul>		

# ADVANCED AIRWAY MANAGEMENT CHECK LIST

NUMBER OF ATTEMPTS	INDICATE WHICH ATTEMPT
o 1 o 2 o >2 N/A (Unsuccessful)	0 1 0 2 0 3
PATIENT PREPARATION	
<ul> <li>Optimal Patient Positioning</li> <li>Preoxygenation for 3'</li> <li>Passive oxygenation with NC</li> <li>Initial ETC02 applied/documented</li> <li>Cardiac Monitoring with Sp02 and BP documented within 3' prior to procedure</li> <li>1<sup>st</sup> Defibrillation administered (if appl.)</li> <li>1<sup>st</sup> Epinephrine administered (if app)</li> </ul>	INCIDENT #: