

5090 Public Health Administration Large Conference Room 2240 E. Gonzales, 2 nd Floor Oxnard, CA 93036	Pre-hospital Services Committee Agenda	June 14, 2018 9:30 a.m.
I. Introductions		
II. Approve Agenda		
III. Minutes		
IV. Medical Issues		
A. 504 – BLS And ALS Unit Equipment and Supplies		Dr. Shepherd
B. 705.20 – Seizures (request by Greg Jelin)		Dr. Shepherd
V. New Business		
A. 318 - ALS Response Unit Staffing		Martha Garcia
B. 618 – Unaccompanied Minors		Chris Rosa
C. 705.12 – Heat Emergencies		Karen Beatty
D. 705.13 – Hypothermia		Karen Beatty
E. 705.16 – Neonatal Resuscitation		Karen Beatty
F. 715 – Needle Thoracotomy		Dr. Shepherd
G. 731 - Tourniquet Policy (request by Chad Panke)		Dr. Shepherd
H. 1000 – Documentation		Chris Rosa
I. VF/VF Alarms after ROSC (request by Chad Panke)		Dr. Shepherd
J. Ambulance transport of children (request by Greg Jelin)		Dr. Shepherd
VI. Old Business		
A. Other		
VII. Informational/Discussion Topics		
A. Air-Q		Dr. Shepherd
B. Pediatric Intubation		Dr. Shepherd
C. Cardiac Arrest Data for 2018		Katy Hadduck
D. Trauma Destinations Report		Katy Hadduck
VIII. Policies for Review		
A. 615 – Organ Donor Information Search		
B. 703 – Medical Control at Scene, Private Physician/Physician on Scene		
C. 705.11 – Crush Injury		
IX. Agency Reports		
A. Fire Departments		
B. Ambulance Providers		
C. Base Hospitals		
D. Receiving Hospitals		
E. Law Enforcement		
F. ALS Education Program		
G. EMS Agency		
H. Other		
X. Closing		

Health Administration
 Large Conference Room
 2240 E. Gonzales, 2nd Floor
 Oxnard, CA 93036

Pre-hospital Services Committee
 Minutes

April 12, 2018
 9:30 a.m.

Topic	Discussion	Action	Approval
II. Approve Agenda		Approved	Motion: Tom O'Conner Seconded: Kyle Brooks Passed unanimous
III. Minutes		Approved	Motion: Ira Tilles Seconded: Tom O'Conner Passed unanimous
IV. Medical Issues			
V. New Business			
A. 504 – BLS and ALS Unit Equipment and Supplies		Approved with changes.	Motion: Kathy McShea Seconded: Jaime Villa Passed unanimous
B. 705 – Treatment Protocols		Approved with minor formatting changes. Change Page 3 to read "3 of 3" instead of "3 of 2".	Motion: Kathy McShea Seconded: Tom O'Connor Passed unanimous
C. 705.02 – Allergic/Adverse Reaction and Anaphylaxis		Approved with changes. Change "Epi-pen" to "auto injector". Chris will make changes and e-mail to committee prior to EMS Update.	Motion: Scott Zeller Seconded: Dr. Tilles Passed unanimous
D. 705.03 – Altered Neurologic Function		Approved with changes.	Motion: Kathy McShea Seconded: Dr. Tilles Passed unanimous
E. 705.17 – Nerve Agent Poisoning		Approved with changes.	Motion: Heather Ellis Seconded: Kyle Brooks Passed unanimous
F. 705.18 – Overdose/Poisoning	The committee agreed that all information in this policy regarding Organo Phosphate or Duo Dote should be moved to Policy 705.17. The committee requested that Dr. Shepherd meet with BLS agencies to discuss the use of Narcan auto injectors vs IN.	Approved with changes.	Motion: Tom O'Conner Seconded: Kathy McShea Passed unanimous

	Narcan – change “max of 6mg” to “max of 8mg”. Merge text boxes under BLS.		
G. 705.19 – Pain Control	The committee requested that the EMS Agency send out a variance letter to address the impending shortage of MS.		
H. 705.20 - Seizures		Approved	Motion: Jonathon Tolle Seconded: Jaime Villa Passed unanimous
I. 705.21 – Shortness of Breath - Pulmonary Edema		Removed Dopamine. Approved with change	Motion: James Rosolek Seconded: Jaime Villa Passed unanimous
J. 705.22 – Shortness of Breath – Wheezes/Other	The committee made additional changes to this policy during a lengthy discussion.	Merge peds and adult under BLS section. Change Epi-pen to auto injector. Remove ages under Epi. Remove profound shock. Approved with changes.	Motion: Tom O’Conner Seconded: Heather Ellis Passed unanimous
K. 705.26 – Suspected Stroke		Approved	Motion: Nicole Vorzimer Seconded: Tom O’Conner Passed unanimous
L. 723 – Continuous Positive Airway Pressure (CPAP)		Approved	Motion: Aaron Tapking Seconded: Tom O’Conner Passed unanimous
M. 803 – Emergency Medical Technician (EMT), AED Service Provider Program Standards	Updated to meet new Standard Scope changes. Note there is no Medical Director mandated.	Approved as presented.	Motion: Aaron Tapking Seconded: Joe Dullam Passed unanimous
N. 1601 – PSFA and CPR/ Tactical Casualty Care Training Program Approval and Checklist		Approved	Motion: Nicole Vorzimer Seconded: Joe Dullam Passed unanimous
VI. Old Business			
A. 603 – Refusal of EMS Services	The AMA Sub-committee met and made additional changes. Chris will add references to Policy 1000.	Approved with necessary changes.	Motion: Nicole Vorzimer Seconded: Tom O’Conner Passed unanimous
VII. Informational/Discussion Topics			
A. 705.07 – Cardiac Arrest, Asystole and PEA	Presented changes to Epi dose.	Approved	Motion: Sarah Melgoza Seconded: Joe Dullam

			Passed unanimous
B. 705.08 – Cardiac Arrest VF-VT	Presented changes to Epi dose.	Approved	Motion: Sarah Melgoza Seconded: Joe Dullam Passed unanimous
C. 802 – EMT AED Medical Director - Removal		Policy Removed	Motion: Sarah Melgoza Seconded: Joe Dullam Passed unanimous
D. 805 – EMT Medical Cardiac Arrest - Removal		Policy Removed	Motion: Sarah Melgoza Seconded: Joe Dullam Passed unanimous
E. 808 – EMT Defib. Integration with Public AED Operation - Removal		Policy Removed	Motion: Sarah Melgoza Seconded: Joe Dullam Passed unanimous
F. 1405 – Policy/Algorithm	Katy presented the changes that were made to this policy in the Trauma Committee.	No Action	
VIII. Policies for Review			
A. 615 – Organ Donor Information Search		Tabled	
B. 703 – Medical Control at Scene, Private Physician/Physician on Scene		Tabled	
X. Agency Reports			
A. Fire departments	VCFPD – CE day was a great success. Good Job Mark Komins! VCFD – none OFD – They will be participating in CPR Saturday. Fed. Fire – none SPFD – VCFPD and Santa Paula have an MOU in place. Consolidation has been approved for July. FFD – none		
B. Transport Providers	LMT – none AMR/GCA – none AIR RESCUE –none		
C. Base Hospitals	SVH – none LRRMC – none SJRM – They currently have a temporary trailer in the parking lot at St. Johns. This should not impact ambulance and fire movement. VCMC – Sarah announced Bob Scott’s party at Fillmore Fire.		
D. Receiving Hospitals	PVH – none		

		SPH – none CMH - none OVCH – none	
E.	Law Enforcement	VCSO – none CSUCI PD – none	
F.	ALS Education Programs	Ventura College – Paramedic graduation is in June. The college program was nominated for the Gold Star Award. Thank you to all the ambulance companies and fire agencies that helped their students.	
G.	EMS Agency	Steve – The Ambulance Review Committee is being formed. The committee still needs 1 base hospital rep. and 1 receiving hospital rep. EMS is the lead agency for teaching/coordinating stop the bleed classes to the public. There will be “Train the Trainer” classes held for ambulance and fire personnel in the future. Dr. Shepherd - none Chris – none Katy – Dr. Duncan is hosting a Fall Prevention Class on April 28 th at the Oxnard Family Clinic. Karen – none	
H.	Other		
XI.	Closing	Meeting adjourned at 12:00	



**TEMPORARY
PARKING PASS**
Expires June 14, 2018

**Health Care Services
2240 E. Gonzales Rd
Oxnard, CA 93036**

**For use in "Green Permit Parking" Areas only, EXCLUDES Patient
parking areas**

Parking Instructions: Parking at workshop venue is limited. Arrive early to allow for offsite parking if venue parking lot is full.

2240 Gonzales Rd. location

If you park in a designated "green permit parking" slot, fold this flyer in half and place pass face-up on the dash of your car, to avoid receiving a ticket.

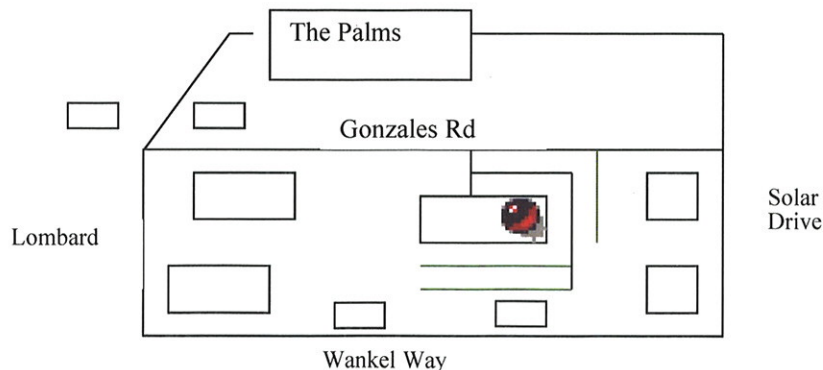
2100 Solar Drive

An additional amount of "Green Permit Parking" spaces (only 30) are available in adjacent parking lot, those that back-up against venue parking area, (Enter this parking lot off of Gonzales[3rd driveway] or Solar Drive). Place this flyer on your dash. If all of those stalls are occupied, overflow parking is available at The Palms shopping area or side streets.

The Palms - shopping mall

Enter The Palms at Lombard and Gonzales. Allow for a ten minute walk to venue location.

Additional parking is available on side streets, Lombard, Solar and Wankel Way.



COUNTY OF VENTURA HEALTH CARE AGENCY		EMERGENCY MEDICAL SERVICES POLICIES AND PROCEDURES	
Policy Title: BLS And ALS Unit Equipment And Supplies		Policy Number: 504	
APPROVED: Administration: Steven L. Carroll, Paramedic		Date: June 1, 2018	
APPROVED: Medical Director Daniel Shepherd, MD		Date: June 1, 2018	
Origination Date:	May 24, 1987	Effective Date:	June 1, 2018
Date Revised:	April 12, 2018		
Last Reviewed:	April 12, 2018		
Review Date:	April 30, 2021		

- I. PURPOSE: To provide a standardized list of equipment and supplies for response and/or transport units in Ventura County.
- II. POLICY: Each response and/or transport unit in Ventura County shall be equipped and supplied according to the requirements of this policy.
- III. AUTHORITY: California Health and Safety Code Section 1797.178, 1797.204, 1797.218, 1797.221 and California Code of Regulations Sections 100148, 100306, 100404
- IV. PROCEDURE:
The following equipment and supplies shall be maintained on each response and/or transport unit in Ventura County.

Deviation from the standards outlined in this policy shall only be authorized with written approval from the VCEMS Medical Director.

	ALS / BLS Unit Minimum Amount	PSV/CCT Minimum Amount	FR/ALS Minimum Amount	Search and Rescue Minimum Amounts
A. ALL BLS AND ALS RESPONSE AND/OR TRANSPORT UNITS				
Clear masks in the following sizes:	1 each	1 each	1 each	1 adult 1 infant
Bag valve units	1 each	1 each	1 each	1 adult
Nasal cannula	3	3	3	3
Nasopharyngeal airway (adult and child or equivalent)	1 each	1 each	1 each	1 each
Continuous positive airway pressure (CPAP) device	1 per size	1 per size	1 per size	1 per size
Nerve Agent Antidote Kit	9	9	9	0
Blood glucose determination devices (optional for non-911 BLS units)	2	1	1	1
Oral glucose 15gm unit dose	1	1	1	1
Oropharyngeal Airways	1 each size	1 each size	1 each size	1 each size
Oxygen with appropriate adjuncts (portability required)	10 L/min for 20 minutes	10 L/min for 20 mins.	10 L/min for 20 mins.	10 L/min for 20 mins.
Portable suction equipment	1	1	1	1
Transparent oxygen masks	3	2	2	2
Adult nonbreather	3	2	2	2
Child	2	2	2	2
Infant	2	2	2	2
Bandage scissors	1	1	1	1
Bandages	12	12	12	5
• 4"x4" sterile compresses or equivalent	6	2	6	4
• 2"x3", 4" or 6" roller bandages		0	2	2
• 10"x 30" or larger dressing				
Blood pressure cuffs	1	1	1	1
Thigh	1	1	1	1
Adult	1	1	1	1
Child	1	1	1	1
Infant	1	1	1	1
Emesis basin/bag	1	1	1	1
Flashlight	1	1	1	1
Traction splint or equivalent device	1	1	1	1
Pneumatic or rigid splints (capable of splinting all extremities)	4	4	4	4
Portable water or saline solution	4 liters	4 liters	4 liters	4 liters
Cervical spine immobilization device	2	2	2	2
Spinal immobilization devices	1	1	1	1
KED or equivalent				

	ALS / BLS Unit Minimum Amount	PSV/CCT Minimum Amount	FR/ALS Minimum Amount	Search and Rescue Minimum Amounts
60" minimum with at least 3 sets of straps	1	0	1	
Sterile obstetrical kit	1	1	1	1
Tongue depressor	4	4	4	4
Cold packs	4	4	4	4
Tourniquet	1	1	1	1
1 mL/3 mL syringes with IM needles	4	4	4	4
OPTIONAL EQUIPMENT				
Occlusive dressing or chest seal				
Hemostatic gauze per EMSA guidelines				
B. TRANSPORT UNIT REQUIREMENTS				
Ambulance cot and collapsible stretcher; or two stretchers, one of which is collapsible.	1	0	0	1
Automated External Defibrillator (if not equipped with ALS monitor/defibrillator)	1	1	1	1
Straps to secure the patient to the stretcher or ambulance cot, and means of securing the stretcher or ambulance cot in the vehicle.	1 Set	0	0	1 Set
Soft Ankle and wrist restraints.	1	0	0	0
Sheets, pillow cases, blankets and towels for each stretcher or ambulance cot, and two pillows for each ambulance	1	0	0	0
Bedpan	1	0	0	0
Urinal	1	0	0	0
Personal Protective Equipment per State Guideline #216				
Rescue helmet	2	1	0	0
EMS jacket	2	1	0	0
Work goggles	2	1	0	0
Tyvek suit				
Tychem hooded suit	2 L / 2 XXL	1 L / 1 XXL	0	0
Nitrile gloves	2 L / 2 XXL	1 L / 1 XXL	0	0
Disposable footwear covers	1 Med / 1 XL	1 Med / 1 XL	0	0
Leather work gloves	1 Box	1 Box	0	0
Field operations guide	3 L Sets	1 L Set	0	0
	1	1	0	0

C. ALS TRANSPORT UNIT REQUIREMENTS				
	ALS / BLS Unit Minimum Amount	PSV/CCT Minimum Amount	FR/ALS Minimum Amount	Search and Rescue Minimum Amounts
Cellular telephone	1	1	1	1
Alternate ALS airway device	2	1	1	1
Arm Boards 9" 18"	3 3	0 0	1 1	0 0
Cardiac monitoring equipment	1	1	1	1
CO ₂ monitor	1	1	1	1
Colorimetric CO ₂ Detector Device	1	1	1	1
Defibrillator pads or gel	3	3	3	1 adult - No Peds.
Defibrillator w/adult and pediatric paddles/pads	1	1	1	1
EKG Electrodes	10 sets	3 sets	3 sets	6 sets
Endotracheal intubation tubes, sizes 5.5, 6.0, 6.5, 7.0, 7.5, 8.0, 8.5 with stylets	1 of each size	1 of each size	1 of each size	4, 5, 6, 6.5, 7, 7.5, 8
EZ-IO intraosseous infusion system	1 Each Size	1 Each Size	1 Each Size	1 Each Size
Intravenous Fluids (in flexible containers)				
• Normal saline solution, 500 ml	2	1	1	1
• Normal saline solution, 1000 ml	6	2	4	3
IV admin set - microdrip	4	1	2	2
IV admin set - macrodrip	4	1	4	3
IV catheter, Sizes 14, 16, 18, 20, 22, 24	6 each 14, 16, 18, 20 3 each 22 3 each 24	2 each	2 each	2 each
Laryngoscope, replacement bulbs and batteries	1 set	1 set	1 set	1 set
Curved blade #2, 3, 4	1 each	1 each	1 each	1 each
Straight blade #1, 2, 3	1 each	1 each	1 each	1 each
Magill forceps Adult Pediatric	1 1	1 1	1 1	1 1
Nebulizer	2	2	2	2
Nebulizer with in-line adapter	1	1	1	1
Needle Thoracostomy kit	2	2	2	2
Pediatric length and weight tape	1	1	1	1
SpO ₂ Monitor (If not attached to cardiac monitor)	1	1	1	1
OPTIONAL ALS EQUIPMENT (No minimums apply)				
Flexible intubation stylet				
Cyanide Antidote Kit				

D.	MEDICATION, MINIMUM AMOUNT	BLS Unit Minimum Amount	ALS Unit Minimum Amount	PSV/CCT Minimum Amount	FR/ALS Minimum Amount	Search and Rescue Minimum Amounts
	Adenosine, 6 mg		3	3	3	3
	Albuterol 2.5mg/3ml		6	2	3	1
	Aspirin, 81mg		4 ea 81 mg	4 ea 81 mg	4 ea 81 mg	4 ea 81 mg
	Amiodarone, 50mg/ml 3ml		6	3	6	3
	Atropine sulfate, 1 mg/10 ml		2	2	2	2
	Diphenhydramine (Benadryl), 50 mg/ml		2	1	1	2
	Calcium chloride, 1000 mg/10 ml		2	1	1	1
	Dextrose 5% 50ml		2	1	2	1
	Dextrose 10% 250 ml		2	1	2	1
	Dextrose 25% 2.5 GM 10ml		1	1	1	1
	Dextrose 50%, 25 GM/50		5	2	2	2
	Epinephrine					
	• Epinephrine, 1mg/ml	2	4	2	2	2
	• 1 mL ampule / vial, OR	2	4	2	2	2
	• Adult auto-injector (0.3 mg), AND	2	4	2	2	2
	• Peds auto-injector (0.15 mg)		6	3	6	4
	• Epinephrine 0.1mg/ml (1 mg/10ml preparation)		1	1	1	1
	• Epinephrine 1mg/ml, 30 ml multi-dose vial		2	1	2	1
	Glucagon, 1 mg/ml		2	2	2	2
	Lidocaine, 100 mg/5ml		2	2	2	2
	Magnesium sulfate, 1 gm per 2 ml dilution		4.9	4.9†	4.9‡	4.9‡
	Morphine sulfate, 10 mg/ml		2	2	2	2
	Naloxone Hydrochloride (Narcan)					
	• IN concentration - 4 mg in 0.1 mL (optional for ALS and non-911 BLS units), OR	2	5	5	5	5
	• IM / IV concentration - 2 mg in 2 mL preload (optional for non-911 BLS units)	4	5	5	5	5
	Nitroglycerine preparations, 0.4 mg		1 bottle	1 bottle	1 bottle	1 bottle
	Normal saline, 10 ml		2	2	2	2
	Sodium bicarbonate, 50 mEq/ml		2	1	1	1
	Ondansetron 4 mg IV single use vial		4	4	4	4
	Ondansetron 4 mg oral		4	4	4	4
	Midazolam Hydrochloride (Versed)		5 mg/ml 2 vials	5 mg/ml 2 vials	5 mg/ml 2 vials	5 mg/ml 2 vials

Seizures	
ADULT	PEDIATRIC
BLS Procedures	
Protect from injury Maintain/manage airway as indicated Administer oxygen as indicated	Protect from injury Maintain/manage airway as indicated For suspected febrile seizures, begin passive cooling measures. If seizure activity persists, see below Administer oxygen as indicated
ALS Prior to Base Hospital Contact	
IV/IO access Determine Blood Glucose level, and treat according to VC EMS policy 705.03 – Altered Neurologic Function Persistent Seizure Activity <ul style="list-style-type: none"> • Midazolam (Give to <i>actively seizing</i> pregnant patients prior to magnesium) <ul style="list-style-type: none"> • IV/IO – 2 mg Repeat 1 mg q 2 min as needed Max 5 mg • IM – 0.1 mg/kg Max 5 mg <p>FOR IV/IO USE: Dilute 5 mg (1 mL) Midazolam with 4 mL NS for a final volume of 5 mL concentration of 1 mg/mL</p> <p><u>20 weeks gestation to one week postpartum & No Known Seizure History</u></p> <ul style="list-style-type: none"> • Magnesium Sulfate <ul style="list-style-type: none"> ○ IVPB – 42 gm in 50 mL D₅W infused over 105 min <ul style="list-style-type: none"> • MUST Repeat x 1 • Slow or stop infusion if bradycardia, heart block, or decreased respiratory effort occur 	Consider IV/IO access Determine Blood Glucose level, and treat according to VC EMS policy 705.03 – Altered Neurologic Function. Persistent Seizure Activity <ul style="list-style-type: none"> • Midazolam <ul style="list-style-type: none"> ○ IM – 0.1 mg/kg Max 5 mg
Base Hospital Orders only	
Consult with ED Physician for further treatment measures	Consult with ED Physician for further treatment measures
Additional Information: <ul style="list-style-type: none"> • Patients with a known seizure disorder or uncomplicated, apparent pediatric febrile seizures, no longer seizing and with a normal postictal state, may be treated as a BLS call 	

Effective Date: June 1, 2017
Next Review Date: April 2019

Date Revised: April 13, 2017
Last Reviewed: April 13, 2017

VCEMS Medical Director

Policy Title: ALS Response Unit Staffing	Policy Number: 318
APPROVED: Administration: Steven L. Carroll, Paramedic	Date: July 13, 2017
APPROVED: Medical Director Daniel Shepherd, MD	Date: July 13, 2017
Origination Date: June 1, 1997 Date Revised: July 13, 2017 Date Last Reviewed: July 13, 2017 Review Date: July, 2020	Effective Date: July 13, 2017

- I. PURPOSE: To establish medical control standards for ALS response unit paramedic staffing.
- II. AUTHORITY: Health and Safety Code, Sections 1797.214, 1797.220, 1798, and 1798.200
22 CCR Division 9, Chapter 4, Sections 100175, 100179
- III. DEFINITIONS:
 - A. ALS Response Unit: First Response ALS Unit, Paramedic Support Vehicle, or ALS Ambulance per VCEMS Policies 506 and 508.
 - B. Definition of an ALS Patient Contact: A patient contact where the paramedic successfully performs an ALS skill listed in VCEMS Policy 310, with the exception of glucose testing, cardiac monitoring and pulse oximetry.
- IV. POLICY:
 - A. All ALS Response Units must be staffed with a minimum of one Level II paramedic who meets the requirements in this policy.
 - B. Additional ALS Response Unit staff may be a Level I or II paramedic meeting the requirements in this policy and/or an EMT meeting requirements in VCEMS Policy 306. An ALS response unit may be staffed with a non-accredited Paramedic only when it is also staffed with an authorized Field Training Officer (FTO) or Paramedic Preceptor, unless the non-accredited Paramedic is functioning in a BLS capacity in accordance with VCEMS Policy 306.
 - C. ALS Patient Contact: A patient contact where the paramedic successfully performs an ALS skill listed in VCEMS Policy 310, with the exception of glucose testing, cardiac monitoring and pulse oximetry.
 - D. Field Training Officer (FTO): An agency designation for those personnel qualified to train others for the purposes of EMT ALS-Assist Authorization, Paramedic Accreditation, Level I or Level II Paramedic Authorization/Re-Authorization.
 - E. Paramedic Preceptor: A Paramedic, as identified in California Code of Regulations, qualified to train Paramedic Student Interns. A Paramedic Preceptor may also be a Field Training Officer, when designated by that individual's agency.

V. PROCEDURE:

A. Level I

1. A paramedic will have Level I status upon completion of the following:
 - a. Current Paramedic Licensure by the State of California
 - b. Current Accreditation in the County of Ventura per VCEMS Policy 315.
2. To maintain Level I status, the paramedic shall:
 - a. Maintain employment with an approved Ventura County ALS service provider.
 - b. Complete a minimum of 288 hours of practice as a paramedic or 30 patient contacts (minimum of 15 ALS) every six-month period (January 1 – June 30 and July 1 – December 31);
 - 1) With the approval of the EMS Medical Director, for those paramedics with a minimum of 1 year of field experience in Ventura County, are employed as a field paramedic in another county or work in an acute care setting (RN or LVN) on a full-time basis, complete a minimum of 144 hours of practice, or 20 patient contacts (minimum 10 ALS), in the previous 6 month period in Ventura County.
 - c. Complete VCEMS continuing education requirements, as described in Section V.C.
3. If the paramedic fails to meet these requirements, s/he is no longer authorized as a Level I paramedic.
4. To be reauthorized as a Level I paramedic, the paramedic must complete a minimum of 48 hours as a second or third crewmember of direct field observation by an authorized Paramedic FTO, to include a minimum of 5 ALS contacts.

B. Level II

1. A paramedic will have Level II status upon completion of the following:
 - a. Employer approval.
 - b. All of the requirements of Level I.
 - c. A minimum of 240 hours of direct field observation by an authorized Ventura County Paramedic FTO.
 - 1) This will include a minimum of 30 patient contacts, (minimum 15 ALS contacts).
 - 2) If a paramedic has a minimum of 4000 hours of prehospital field experience performing initial ALS assessment and care, Paramedic FTO with the approval of the Paramedic FTO and PCC may be reduced to 144 hours or 20 patient contacts (minimum 10 ALS).
 - d. Approval by the paramedic FTO who evaluated most of the contacts.
 - e. Successful completion of competency assessments:

1. Scenario based skills assessment conducted by the candidate's preceptor, provider's clinical coordinator, PCC and PLP when possible.
 - 1) Written policy competency and arrhythmia recognition and treatment assessment administered by VCEMS. Minimum Passing score will be 80% on each assessment.
 - 2) Candidates who fail to attain 80% on either section V.B.e.2)-3) shall attend a remediation session with the Base Hospital PLP or designee or the provider's Medical Director prior to retaking either assessment. Written documentation of remediation will be forwarded to VCEMS.
- f. Obtain favorable recommendations of the PCCs who have evaluated the paramedic during the upgrade process. The PCC's recommendations will be based upon a review of the completed performance evaluation standards, review of patient contacts and direct clinical observation.
 - 1) Delays in arranging or scheduling direct field observation shift(s) should not delay the Level II upgrade process. In the event an observation shift cannot be arranged with the PCC by the end of the 240 hour upgrade process, the observation requirement may be waived with VCEMS approval. Every attempt should be made to schedule this observation in advance, and conduct the shift prior to the completion of the 240 hour upgrade process.
- g. Forward Appendix A, Appendix B and copies of the 30 patient contacts to VCEMS.
 - 1) Appendix A shall include all dates and times the upgrading paramedic has spent with the Paramedic FTO to total a minimum of 240 hours.
 - 2) Appendix B shall be completed each shift per the Method of Evaluation Key at the bottom of the form.
 - 3) Submit 30 patient contacts, 15 meeting criteria as defined in Section III, Definitions, ALS Patient Contact.
2. To maintain Level II status, the paramedic shall:
 - a. Maintain employment with an approved Ventura County ALS service provider.
 - b. Function as a paramedic for a minimum of 576 hours or have a minimum of 60 patient contacts (minimum 30 ALS), over the previous six-month period (January 1 – June 30 and July 1 – December 31).
 - 1) For those paramedics with a minimum of 3 years field experience, no more than 144 hours of this requirement may be met by documentation of actual instruction at approved PALS, PEPP, ACLS, PHTLS, BTLS, EMT-1 or Paramedic training programs.

- 2) With the approval of the EMS Medical Director, for those paramedics with a minimum of 3 years of field experience in Ventura County, are employed as a field paramedic in another county or work in an acute care setting (RN or LVN) on a full-time basis, complete a minimum of 288 hours of practice, or 30 patient contacts (minimum 15 ALS), in the previous 6 month period in Ventura County.
- 3) A paramedic whose primary duties are administering the ALS Program (90% of the time) for his/her agency and with approval of the EMS Medical Director may maintain his/her level II status by performing a minimum of 5 ALS calls per 6 months (January 1 – June 30 and July 1 – December 31).
- 4) If the paramedic fails to meet this requirement:
 - a) His/her paramedic status reverts to Level I.
 - b) If Level II authorization has lapsed for less than six months, reauthorization will require completion of a minimum of 96 hours of direct field observation by an authorized Ventura County Paramedic FTO, to include a minimum of 10 ALS patient contacts.
 - c) If Level II authorization has lapsed for less than one year and the paramedic has not worked as a paramedic for 6 months or more during the lapse interval OR if Level II authorization has lapsed for greater than one year, reauthorization will require completion of all of the requirements in Section V.B.1. These requirements may be reduced at the discretion of the VCEMS Medical Director.
 - d) If the paramedic has been employed as a paramedic outside of Ventura County or has worked in an acute care setting (RN or LVN) during the period of lapse of authorization, these requirements may be reduced at the discretion of the VCEMS Medical Director.
 - e) Complete VCEMS continuing education requirements, as described in Section V.C.

C. Continuing Education Requirements

Fifty percent (50%) of all CE hours shall be obtained through Ventura County approved courses and 50% of total CE hours must be instructor based.

1. Advanced Cardiac Life Support (ACLS) certification shall be obtained within three months and either Pediatric Advanced Life Support (PALS) certification or Pediatric Education for Prehospital Providers (PEPP) shall be obtained within six months and remain current.
2. Field Care Audits (Field care audit): Twelve (12) hours per two years, at least 6 of which shall be attended in Ventura County. Base Hospitals will offer Field care audit sessions.
3. Periodic training sessions or structured clinical experience (Lecture/ Seminar) as follows:
 - a. Attend one skills refresher session in the first year of the license period, one in the second year, and one every year thereafter.

- b. Education and/or testing on updates to local policies and procedures.
- c. Completion of Ventura County Multi-Casualty Incident training per VCEMS Policy 131.
- d. Successful completion of any additional VCEMS-prescribed training as required.

These may include, but not be limited to:

- 1) Education, and/or testing, in specific clinical conditions identified in the quality improvement program.
 - 2) Education and/or testing for Local Optional Scope of Practice Skills.
 - 3) The remaining hours may be earned by any combination of field care audit, Clinical hours, Self-Study/Video, Lecture, or Instruction at ALS/BLS level. Clinical hours will receive credit as 1-hour credit for each hour spent in the hospital and must include performance of Paramedic Scope of Practice procedures. The paramedic may be required by his/her employer to obtain Clinical Hours. The input of the Base Hospital Prehospital Care Coordinator and/or Paramedic Liaison Physician shall be considered in determining the need for Clinical Hours.
 - 4) One endotracheal intubation refresher session per six (6) month period based on license cycle, to be held by a Base Hospital, ALS Provider Medical Director approved by the VCEMS Medical Director, or the VCEMS Medical Director.
 - 5) Successfully complete a CPR skills evaluation using a recording/reporting manikin once per six (6) month period based on license cycle.
4. Courses shall be listed on the Ventura County Accreditation Continuing Education Log and submitted to VCEMS upon reaccreditation. Continuing education listed on the continuing education log is subject to audit.
- D. The VCEMS Medical Director may temporarily suspend or withdraw Level I or Level II authorization pending clinical remediation.
 - E. Failure to comply with the standards of this policy will be considered to be operating outside of medical control.
 - F. ALS Service Providers must report any change in Level I/II status to VCEMS within 5 days of taking action.

PARAMEDIC UPGRADE EMPLOYER RECOMMENDATION FORM

Employer: Please instruct the paramedic to complete the requirements in the order listed. Employer shall contact PCC to schedule appointment.

_____, paramedic has been evaluated and has met all criteria for upgrade to Level II status, as defined in Ventura County EMS Policy 318.

Level II Paramedic							
_____ All the requirement of level I met. _____ Completion of 240 hrs of direct field observation by an authorized Paramedic FTO _____ Approval by Paramedic FTO _____ Submit all appropriate documentation to VCEMS including							
	Date	Hours	FTO Print legibly		Date	Hours	FTO Print legibly
1				9			
2				10			
3				11			
4				12			
5				13			
6				14			
7				15			
8				16			
Total Hours Completed							

Please sign and date below for approval.

I have reviewed all supporting documentation and it is attached to this recommendation.

Paramedic FTO Signature	Print FTO name legibly	Date:
-------------------------	------------------------	-------

Employer Signature	Print Employer name legibly	Date
--------------------	-----------------------------	------

Per section V.B.1.c.2): PCC signature required if paramedic qualifies for shortened upgrade process.

PCC Signature	Print PCC signature legibly	Date

Appendix B

Ventura County EMS Upgrade Procedure		240 hours or 10 shifts 30 patient contacts (minimum of 15 ALS)			
Shift	Policy	Procedure/Policy Title to Review	Date	Preceptor Signature	Method of Evaluation (see key)
1	310	Paramedic Scope of Practice			
	704	Base Hospital Contact			
	705	General Patient Guidelines			
		SVT			
		VT			
		Cardiac Arrest – Asystole/PEA			
		Cardiac Arrest – VF/VT			
		Symptomatic Bradycardia			
	726	Acute Coronary Syndrome			
	727	Transcutaneous Cardiac Pacing			
334	12 Lead ECG				
		Prehospital Personnel Mandatory Training Requirements			
		<i>Notify PCC of Level II upgrade and schedule PCC ride-along.</i>			
2	720	Limited Base Contact			
	705	Trauma Assessment/Treatment Guidelines			
		Altered Neurological Function			
		Overdose			
		Seizures			
		Suspected Stroke			
614		Spinal Immobilization			
3	705	Behavioral Emergencies			
		Burns			
		Childbirth			
		Crush Injury			
		Heat Emergencies			
		Hypothermia			
		Hypovolemic Shock			
		Bites and Stings			
		Nerve Agent			
		Nausea/Vomiting			
	Pain Control				
	Sepsis Alert				
451		Stroke System Triage			
4	705	Allergic/Adverse Reaction and Anaphylaxis			
		Neonatal Resuscitation			
		Shortness of Breath – Pulmonary Edema			
		Shortness of Breath – Wheezes/other			
	705	Trauma Assessment/Treatment Guidelines			
1404	Guidelines for Inter-facility Transfer of Patients to a Trauma Center				
1405		Trauma Triage and Destination Criteria			
1000		Documentation of Prehospital Care			
5	710	Airway Management			
	715	Needle Thoracostomy			
	716	Pre-existing Vascular Access Device			
	717	Intraosseous Infusion			
	729	air-Q			
	722	Transport of Pt. with IV Heparin and NTG			

6	600	Medical Control on Scene			
	601	Medical Control at the Scene – EMS Personnel			
	603	Against Medical Advice			
	606	Determination of Death			
	613	Do Not Resuscitate			
	306	EMT-I: Req. to Staff an ALS Unit			
7	402	Patient Diversion/ED Closure			
	612	Notification of Exposure to a Communicable Disease			
	618	Unaccompanied Minor ECG Review Radio Communication			
8		Mega Codes			
	131	MCI			
	607	Hazardous Material Exposure-Prehospital Protocol			
	1202	Air Unit Dispatch for Emergency Medical Response.			
	1203	Criteria for Patient Emergency Transportation			
9		Multiple System Evaluation			
		Review Head to Toe Assessments			
10		Review Policies and Procedures			
		VCEMS Policy and Arrhythmia Exams			

Paramedic Name: _____ License. # _____ Date _____

FTO Signature _____ Date _____

PCC Signature _____ Date _____

Employer Signature: _____ Date: _____

METHOD OF EVALUATION KEY	
E = EMEDS Review	DO = Direct Observation in the field or clinical setting
S = Simulation/Scenario	V = Verbalizes Understanding to Preceptor
D = Demonstration	NA = Performance Skill not applicable to this employee
T = Test/Self Learning Module	

Appendix C

NAME: _____

EMPLOYER: _____ LICENSE #: P _____

Ventura County Accreditation Requirements Continuing Education Log

This form should be used to track your continuing education requirements. This form must be turned in when it is time for your reaccreditation. When attending a continuing education course, remember to get a course completion, as EMS will audit 10% of all paramedics reaccrediting and if you are randomly selected you must provide a course completion for each course attended in order to receive credit for that course. Course completions must have the name of the course, number of hours, date, provider agency and provider number.

When you complete the Ventura County continuing education standards per Policy 318 you will automatically meet the State of California requirements for re-licensure.

Remember that the Skills Refresher and intubation requirements are to be completed yearly based on license cycle.

The Skills Refresher, Intubation refresher session and the EMS Update requirements are mandatory and they must be completed in the stated time frames or negative action will be taken against your paramedic training level.

Field Care Audit Hours

(12 hours are required, 6 hours must be completed in Ventura County)

	Date	Location	# Of Hours	Provider Number
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				

Lecture Hours				
Required Courses	Date	Location	# Of Hours	Provider Number
1.	ACLS (4 hours)			
2.	PALS (4 hours)			
EMS Updates are held in May and November each year. EMS Updates are completed as new or changed policies become effective. Enter ACTUAL Date of class attendance below:				
3.	EMS UPDATE #2 (1 hour)	Office Use Only		
	EMS UPDATE #2 (1 hour)	Office Use Only		
	EMS UPDATE #3 (1 hour)	Office Use Only		
	EMS UPDATE #4 (1 hour)	Office Use Only		
4.	Ventura County MCI COURSE (2 hours)	Office Use Only		
Skill Refreshers are held in March and September each year. The following requirements must be completed in each year of your license cycle (<i>for example:</i> If your re-licensure month is June 2020, you must complete year one requirement between June 2018 and June 2019 and year two requirement between June 2019 and June 2020).				
			Enter ACTUAL Date of class attendance below:	
5.	Skills Refresher year 1 (3 hours)	Office Use Only		
	Skills Refresher year 2 (3 hours)	Office Use Only		
6.	Endotracheal intubations refresher session (1 session every 6 months based on your license expiration date.)			
			Enter ACTUAL Date of class attendance below:	
	#1 ET Tube Session	Office Use Only		
	#2 ET Tube Session	Office Use Only		
	#3 ET Tube Session	Office Use Only		
	#4 ET Tube Session	Office Use Only		
Additional Hours (12 hours)				
(These hours can be earned with any combination of additional Field Care Audit, lecture, etc.)				
Date	Location	# Of Hours	Provider Number	
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				

COUNTY OF VENTURA HEALTH CARE AGENCY		EMERGENCY MEDICAL SERVICES POLICIES AND PROCEDURES	
Policy Title: Unaccompanied Minors		Policy Number 618	
APPROVED: Administration:	Steven L. Carroll, EMT-P	Date:	December 1, 2015
APPROVED: Medical Director:	Angelo Salvucci, M.D.	Date:	December 1, 2015
Origination Date:	May 1, 1995	Effective Date:	December 1, 2015
Date Revised:	June 11, 2015		
Date Last Reviewed:	June 11, 2015		
Review Date:	June, 2018		

- I. PURPOSE: To describe the process to be followed when EMS personnel determine that an unaccompanied minor does not need ambulance transport.
- II. AUTHORITY: Sections 1797.200 and 1798, California Health & Safety Code; Section 100148, Title 22, Division 9 California Code of Regulations.
- III. POLICY: The following procedure will be followed when field personnel assess a minor patient who is unaccompanied by a responsible adult and who is determined not to have an illness or injury requiring ambulance transport.
- IV. PROCEDURE:
 - A. The patient is assessed according to ~~Policy 603.-EMS protocols~~. Field personnel should consider using their cellular telephone to contact the parent(s) of the patient.
 - B. The currently approved ~~ePCR Patient Care Report~~ will be completed ~~per Policy 603., documenting that no illness or injuries requiring ambulance transport are present~~.
 - C. The field personnel will document the name/badge# of an officer who will assume responsibility for the child until his/her parent(s) arrive.
 - ~~D. An AMA signature is not needed.~~

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Hypothermia

BLS Procedures

Gently move patient to warm environment and begin passive warming

Increase ambulance cabin heat, if applicable

Remove wet clothing and cover patient, including head, with dry blankets

Administer oxygen as indicated

If patient is altered, determine blood glucose level

If less than 60 mg/dl refer to Policy 705.03

Monitor vital signs for 1 minute. If vital signs are within the acceptable range for severe hypothermia, do not initiate respiratory assistance or chest compressions

- Acceptable range for severe hypothermia:
 - Respiratory Rate: at least 4 breaths per minute
 - Heart rate: at least 20 beats per minute
- Expedite transport if no shivering (indicates core temp below 90°)

ALS Prior to Base Hospital Contact

~~IV access (if needed for medication or fluid administration)~~

If patient is altered, determine blood glucose if not already performed by BLS personnel or post oral glucose administration

If less than 60 mg/dl, refer to Policy 705.03

IV/IO access (if needed for medication or fluid administration)

- If administering fluid, avoid administering cold fluids.

Base Hospital Orders only

Consult with ED Physician for further treatment measures

Effective Date: Dec 1, 2012
Next Review Date: Jan 31, 2017

Date Revised: August, 2012
Last Reviewed: Jan 8, 2015

Neonatal Resuscitation	
BLS Procedures	
<p>Newly Born Infant</p> <p>Provide warmth, dry briskly and discard wet linen</p> <ul style="list-style-type: none"> Suction ONLY if secretions, including meconium, cause airway obstruction <p>Assess while drying infant</p> <ol style="list-style-type: none"> Full term? Crying or breathing? Good muscle tone? <p>If "YES" to all three</p> <ul style="list-style-type: none"> Place skin-to-skin with mother Cover both with dry linen Observe breathing, activity, color <p>If "NO" to any of three</p> <ul style="list-style-type: none"> Stimulate briefly (<15 seconds) <ul style="list-style-type: none"> Flick soles of infant's feet Briskly rub infant's back Provide warm/dry covering Continue to assess 	<p>Infant up to 48 hours old</p> <p>Provide warmth</p> <ul style="list-style-type: none"> Suction ONLY if secretions cause airway obstruction Stimulate briefly (<15 seconds) <ul style="list-style-type: none"> Flick soles of infant's feet Rub infant's back with towel <p>Provide warm/dry covering</p> <p>Continue to assess</p>
<p>Assess Breathing</p> <ul style="list-style-type: none"> If crying or breathing, assess circulation If apneic or gasping <ul style="list-style-type: none"> Positive pressure ventilations (PPV) with BVM and ROOM AIR at 40-60 breaths per minute for 30 seconds <ul style="list-style-type: none"> Continue PPV, reassessing every 30 seconds, until infant is breathing adequately Reassess breathing, assess circulation <p>Assess Circulation</p> <ul style="list-style-type: none"> If HR between 60 and 100 bpm <ul style="list-style-type: none"> PPV with BVM and ROOM AIR at 40-60 breaths per minute for 30 seconds <ul style="list-style-type: none"> Continue PPV, reassessing every 30 seconds, until infant maintains HR >100 bpm If HR < 60 bpm <ul style="list-style-type: none"> CPR at 3:1 ratio for 30 seconds <ul style="list-style-type: none"> 90/min compressions 30/min ventilations Continue CPR, reassessing every 30 seconds, until HR > 60 bpm If no improvement after 90 seconds of ROOM AIR CPR, add supplemental O₂ until HR > 100 	
ALS Prior to Base Hospital Contact	
Establish IO line only in presence of CPR	
<p>Asystole OR Persistent Bradycardia < 60 bpm</p> <ul style="list-style-type: none"> Epinephrine 0.1mg/mL 1:10,000 <ul style="list-style-type: none"> IO – 0.01mg/kg (0.1mL/kg) q 3-5 min 	<p>PEA</p> <ul style="list-style-type: none"> Epinephrine 0.1mg/mL 1:10,000 <ul style="list-style-type: none"> IO – 0.01mg/kg (0.1mL/kg) q 3-5 min Normal Saline <ul style="list-style-type: none"> IO bolus – 10mL/kg
Base Hospital Orders only	
Consult with ED Physician for further treatment measures	
<p>Additional Information:</p> <ul style="list-style-type: none"> Resuscitation efforts may be withheld for extremely preterm infants (< 21 weeks or < 9 inches long). Sensitivity to the desires of the parent(s) may be considered. If uncertain as to gestational age, begin resuscitation. 	

COUNTY OF VENTURA EMERGENCY MEDICAL SERVICES		HEALTH CARE AGENCY POLICIES AND PROCEDURES	
Policy Title: Needle Thoracostomy		Policy Number: 715	
APPROVED: Administration: Steven L. Carroll, EMT-P		Date: June 1, 2013	
APPROVED: Medical Director Angelo Salvucci, M.D.		Date: June 1, 2013	
Origination Date: August 2010		Effective Date: June 1, 2013	
Date Revised: April 4, 2013			
Date Last Reviewed: April 11, 2013			
Review Date: March 31, 2015			

- I. Purpose: To define the indications, procedure and documentation for needle thoracostomy use by paramedics.
- II. Authority: Health and Safety Code, Sections 1797.220 and 1798. California Code of Regulations, Title 22, Sections 100145 and 100169.
- III. Policy: Paramedics may perform needle thoracostomy on patients with a suspected tension pneumothorax in accordance with this policy.
- IV. Procedure:
 - A. Indications
 1. Patients with **ALL** of the following:
 - a. Clinical suspicion of pneumothorax (e.g., trauma, dyspnea, chest pain),
 - b. Systolic Blood Pressure less than 90, and
 - c. Absent or significantly decreased breath sounds on the affected side.
 - B. Contraindications: None in this setting
 - C. Equipment
 1. Povidone-iodine prep swab
 2. 10 ml syringe
 3. ~~8.0 5.0-6.0~~ cm, ~~14 12-16~~ gauge over-the-needle catheter
 4. Connection tubing
 5. Heimlich valve
 6. Tape
 - D. Placement
 1. Attach the syringe to the needle/catheter.
 2. Identify and prep the site:

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~~2.~~ The lateral placement is the preferred method which is the fourth intercostal space in the mid-axillary line.

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~~3.~~ If unable to access lateral placement due to patient size, position, or failed attempt, locate the second intercostal space in the mid-clavicular line. Locate the second intercostal space in the mid-clavicular line.

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~~4.~~ If unable to place anteriorly, lateral placement is in the fourth intercostal space in the mid-axillary line.

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- Prepare the site with antiseptic solution.

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~~2-3.~~ Insert the needle/catheter perpendicular to the skin over the rib and direct it just over the top of the rib into the intercostal space.

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~~3-4.~~ After inserting the needle under the skin, maintain negative pressure in the syringe.

~~4-5.~~ Advance the needle/catheter through the parietal pleura until a "pop" is felt and/or air or blood enters the syringe, then advance **ONLY** the catheter (not the syringe/needle) until the catheter hub is against the skin.

CAUTION: Do not reinsert needle into cannula due to danger of shearing cannula.

~~5-6.~~ Hold the catheter in place and remove and discard the syringe and needle.

~~6-7.~~ Attach tubing and Heimlich valve.

~~7-8.~~ Secure the catheter hub to the chest wall with dressings and tape.

~~8-9.~~ Reevaluate the patient (VS, lung sounds).

E. Documentation

1. All needle thoracostomy attempts must be documented in the Ventura County Electronic Patient Care Reporting System (VCePCR).
2. Documentation will include location, size of equipment, number of attempts, success, complications, patient response and any applicable comments.

COUNTY OF VENTURA EMERGENCY MEDICAL SERVICES		HEALTH CARE AGENCY POLICIES AND PROCEDURES	
Policy Title: Tourniquet Use		Policy Number: 731	
APPROVED: Administration: Steven L. Carroll, EMT-P		Date: December 1, 2015	
APPROVED: Medical Director: <u>Angelo Salvucci, M.D.</u>		Date: December 1, 2015 <u>June 14, 2018</u>	
Origination Date: July 2010		Effective Date: December 1, 2015	
Date Revised: August 13, 2015			
Date Last Reviewed: August 13, 2015			
Review Date: August, 2017			

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- I. Purpose: To define the indications, procedure and documentation for tourniquet use by EMTs and paramedics.
- II. Authority: Health and Safety Code, Sections 1797.220 and 1798.
- III. Policy: EMTs and Paramedics may utilize tourniquets on patients in accordance with this policy.
- IV. Procedure:
 - A. Indications
 1. Life threatening extremity hemorrhage that cannot be controlled by other means.
 - B. Contraindications
 1. Non-extremity hemorrhage.
 2. Proximal extremity location where tourniquet application is not practical.
 - C. Tourniquet Placement:
 1. Visually inspect injured extremity and avoid placement of tourniquet over joint, angulated or open fracture, stab or gunshot wound sites.
 2. Assess and document circulation, motor and sensation distal to injury site.
 3. Apply tourniquet proximal to wound (usually 2-4 inches).
 4. Tighten tourniquet rapidly to least amount of pressure required to stop bleeding.
 5. Cover wound with appropriate sterile dressing and/or bandage.
 6. Do not cover tourniquet- the device must be visible.
 7. Re-assess and document absence of bleeding distal to tourniquet.
 8. Remove any improvised tourniquet that may have been previously applied.
 9. Tourniquet placement time must be documented on the tourniquet device.
 10. Ensure receiving facility staff is aware of tourniquet placement and time tourniquet was placed.

D. Tourniquet ~~r~~Removal (~~Paramedic only~~), replacement, or repositioning

BLS providers may reposition an improperly placed tourniquet or replace a malfunctioning device. Only ALS personnel may formally remove a tourniquet to assess if it is still necessary.

1. Indications

~~a. a. — Releasing the tourniquet should only be considered if applied for 60 minutes or longer. Improperly placed tourniquet~~

b. Poorly functioning device

~~c. b.~~ Absence of bleeding distal to the tourniquet should be confirmed after manipulation and/or adjustment.

2. Procedure

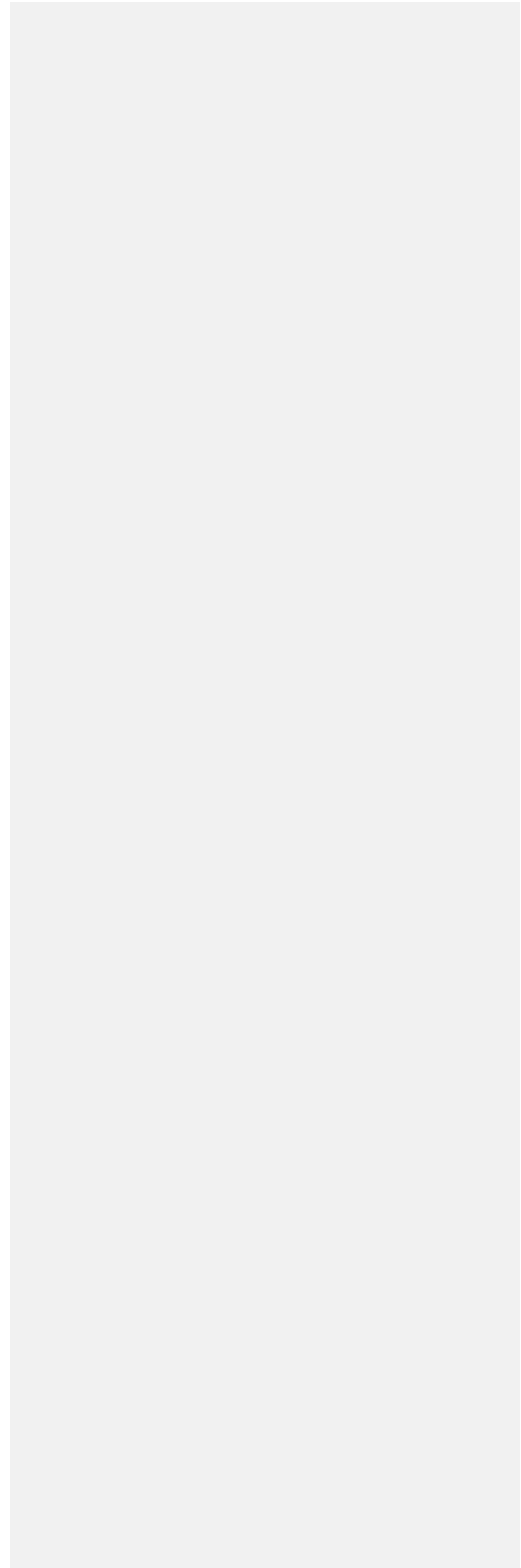
- a. Obtain IV/IO access
- b. Maintain continuous ECG monitoring.
- c. Hold firm direct pressure over wound for at last 5 minutes before releasing tourniquet.
- d. Gently release the tourniquet and monitor for reoccurrence of bleeding.
- e. Document time tourniquet was released.
- f. Bandage wound and re-assess and document circulation, motor and sensation distal to the wound site regularly.
- g. If bleeding resumes, requiring a tourniquet, re-application will be in accordance with application procedures outlined in Section IV of this policy.

E. Documentation

1. All tourniquet uses must be documented in the Ventura County Electronic Patient Care Reporting System.
2. Documentation will include location of tourniquet, time of application, and person at the receiving hospital to whom the tourniquet is reported.

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Ventura County EMS: Prehospital Step 1-3 Destinations, 2018

Step 1	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
VCMC	13	11	25	13	11								73
LRHMC	10	12	6	8	3								39
SVH													0
SJRMCM		1		1	1								3
SJPVH													0
CMH					1								1
SPH													0
OVH	1												1
HMNMH	1												1
Holy Cross													0
TOTAL	25	24	31	22	16								118
% to TC	96.0%	95.8%	100%	95.5%	87.5%								95.8%
Step 2	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
VCMC	3	5	9	14	7								38
LRHMC	3	4	2	0	4								13
SVH													0
SJRMCM		1											1
SJPVH													0
CMH													0
SPH													0
OVH													0
Holy Cross													0
TOTAL	6	10	11	14	11								52
% to TC	100%	90%	100%	100%	100%								98.1%
Step 3	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
VCMC	23	12	13	19	20								87
LRHMC	13	15	8	15	13								64
SVH		1(1)											1
SJRMCM		3(1)		3	2(1)								8
SJPVH				1									1
CMH	1		1	1	1								4
SPH				1									1
OVH	2(2)		1		1								4
Holy Cross													0
HMNMH	1		3		1								5
KCMC													0
SB Cottage													0
TOTAL	40	31	26	40	38								175
% to TC	92.6%	87.1%	92.3%	85%	89.5%								89.1%
TOTAL 1-3	71	65	68	76	65								345
% to TC	94.4%	90.8%	97.1%	90.8%	90.1%								92.8%

Note: EMS transports to non-trauma center hospitals, then transfer to trauma center, are indicated by parentheses ()

COUNTY OF VENTURA HEALTH CARE AGENCY		EMERGENCY MEDICAL SERVICES POLICIES AND PROCEDURES	
Policy Title: Organ Donor Information Search		Policy Number 615	
APPROVED: Administration: Steven L. Carroll, EMT-P		Date: June 1, 2013	
APPROVED: Medical Director: Angelo Salvucci, M.D.		Date: June 1, 2013	
Origination Date: October 1, 1993			
Date Revised: February 14, 2013		Effective Date: June 1, 2013	
Date Last Reviewed: February 14, 2013			
Review Date: January 31, 2015			

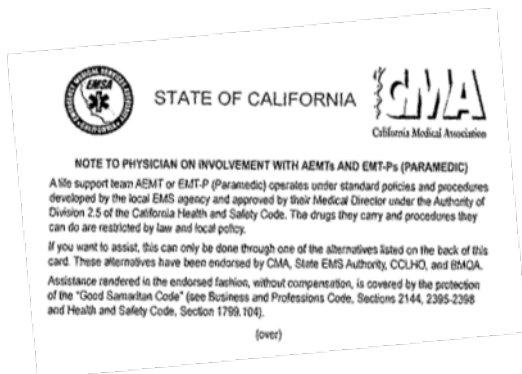
- I. **PURPOSE:** To establish guidelines for Emergency Medical Services (EMS) field personnel to meet requirements that they search for organ donor information on adult patients for whom death appears to be imminent.
- II. **AUTHORITY:** Health and Safety Code Section 7152.5(b)
- III. **POLICY:** EMS field personnel shall make a brief reasonable search to determine the presence or absence of an organ donor card on adult patients for whom death appears to be imminent. This brief search shall not interfere with patient care, and must be done in the presence of a witness, preferably a public safety officer, unless extenuating circumstances make having a witness clearly infeasible.
- IV. **DEFINITIONS:**
 - A. "Reasonable Search": A brief attempt by EMS field personnel to locate documentation that may identify a patient as a potential organ donor, or one who has refused to make an anatomical gift. This search shall be limited to a wallet, purse or other personal belongings on or near the individual likely to contain a driver's license or other identification card with this information. A REASONABLE SEARCH SHALL NOT TAKE PRECEDENCE OVER PATIENT CARE/TREATMENT.
 - B. "Imminent Death": A condition wherein illness or injuries are of such severity that in the opinion of EMS field personnel, death is likely to occur before the patient arrives at a hospital. For purposes of this policy, this definition does not include any conscious patient regardless of the severity of illness or injury.
 - C. "Receiving Hospital": The hospital to which the patient is being transported.

IV. PROCEDURE:

- A. When EMS field personnel encounter an unconscious adult patient for whom it appears that death is imminent (that is, death prior to arrival at a hospital), they shall attempt a "reasonable search" as defined in Section III. A. This search must be done in the presence of a witness, preferably a public safety officer, unless extenuating circumstances make having a witness clearly infeasible. If a family member or patient representative is the only witness available, EMS field personnel should clearly and carefully explain the intent of the brief search. The identity of the witness to the brief search will be documented on the approved Ventura County Documentation System.
- B. Treatment and transport of the patient remains the highest priority for EMS field personnel. This search shall not interfere with patient care or transport.
- C. EMS field personnel shall notify the receiving hospital if organ donor information is discovered. Advanced Life Support (ALS) units shall notify the base hospital in addition to the receiving hospital.
- D. Any organ donor document that is discovered should be transported to the receiving hospital with the patient unless it is requested by the investigating law enforcement officer. If the investigating law enforcement officer retains the organ donor card, the presence of the card will be documented on the approved Ventura County documentation system. In the event that the patient is not transported, any document will remain with the patient.
- E. Field personnel should briefly note the results of the search, notification of hospital, and witness name(s) in the narrative section of the VCePCR.
- F. No search is to be made by EMS field personnel after patient death occurs.
- G. If a member of the patient's immediate family or other patient representative objects to the search for an organ donor document at the scene, no search shall be made, and their response to a question about the patient's organ donor wishes may be considered to satisfy the requirement of this policy. This information shall be documented on the approved Ventura County Documentation System.

COUNTY OF VENTURA HEALTH CARE AGENCY		EMERGENCY MEDICAL SERVICES POLICIES AND PROCEDURES	
Policy Title: Medical Control At Scene, Private Physician/Physician On Scene		Policy Number: 703	
APPROVED: Administration: Steven L. Carroll, EMT-P		Date: June 1, 2008	
APPROVED: Medical Director: Angelo Salvucci, M.D.		Date: June 1, 2008	
Origination Date: January, 1985		Effective Date: June 1, 2008	
Revised Date: March 13, 2008			
Date Last Reviewed: September 12, 2013			
Review Date: September, 2015			

- I. Purpose: To establish guidelines for medical control of patient care at the scene of a medical emergency. To assist the paramedic who, arrives on the scene of a patient who is being attended by a California licensed physician.
- II. Authority: Health and Safety Code, Division 2.5, Sections 1798 & 1798.6. California Code of Regulations, Title 22, Division 9, Section 100175.
- III. Policy: paramedics shall use the following procedure to determine on-scene authority for patient care.
- IV. Procedure:
 - A. When a bystander at the scene of a medical emergency identifies himself/herself as a physician, the paramedic shall:
 - 1. Obtain proper identification from the individual (preferably California licensure as M.D., or D.O.) and document name on the PCR.
 - 2. Present the CMA card "Note to Physician on Involvement with EMT-II and Paramedic" to him/her to read and choose level of involvement.



ENDORSED ALTERNATIVES FOR PHYSICIAN INVOLVMENT

After identifying yourself by name as a physician licensed in the state of California, and if requested, showing proof of identity, you may choose to do one of the following:

1. Offer your assistance with another pair of eyes, hands, or suggestions, but let the life support team remain under the base hospital control; or,
2. Request to talk to the base station physician and directly offer your medical advice and assistance; or,
3. Take total responsibility for the care given by the life support team and physically accompany the patient until the patient arrives at a hospital and responsibility is assumed by the receiving physician. In addition, you must sign for all instructions given in accordance with local policy and procedure. (Whenever possible, remain in contact with the base station physician.)

- 3. Contact the Base Hospital and advise them that there is a physician on scene.
- 4. Determine the level of involvement the physician wishes to have and inform the Base Hospital.

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- B. If the physician chooses not to assume patient care, the Base Hospital shall retain medical control and the paramedic's will utilize the physician as an "assistant" in patient care activities.
- C. If the physician chooses to take medical control, the paramedic's will instruct the physician in radio operation procedures and have the physician at the scene communicate with the Base Hospital physician. The Base Hospital physician may do either of the following:
1. Retain medical control, but consider and/or utilize suggestions offered by the physician at the scene.
 2. Request that the physician at the scene function in an observer capacity only.
 3. Delegate medical control to the physician at the scene.
 4. If the physician at the scene has been given medical control by the Base Hospital physician, the paramedic shall:
 - a. Make ALS equipment and supplies available to the physician and offer assistance.
 - b. Ensure that the physician accompany the patient in the ambulance to the hospital, and signs for all instructions and medical care given.
 - c. Keep the Base Hospital advised.
- D. The paramedic, while under the direction of a physician at the scene, shall perform only those procedures and administer only those drugs for which he/she is accredited for in Ventura County. Paramedics shall be held accountable and possibly liable for performing a procedure or treatment outside the paramedic scope of practice. If a physician at the scene wishes such a procedure or treatment performed, he/she may perform that procedure. The paramedic should attempt to have the on-site physician call the Base Hospital physician regarding the treatment.
- E. The Base Hospital shall:
1. Speak to the physician on scene, unless a delay would be detrimental to patient care, or the physician is the patient's personal physician, to determine qualification regarding emergency treatment and level of involvement chosen by the physician.
 2. Document the physician's intent to assume patient care responsibility.
 3. Relinquish patient care to the patient's personal physician, if he/she has arrived after Base Contact has been made and wishes to assume control.

4. In cases where a dispute arises regarding medical care, the ultimate decision as to patient care shall be made by the Base Hospital, except when the personal physician is present.

F. Private Physician On Scene

1. If the private physician is present and assumes responsibility for the patient care, the paramedic shall advise the Base Hospital that the patient is under the care of his/her private medical doctor (PMD) and inform the Base Hospital of the PMD's instructions.
2. The paramedic, while under the direction of a physician at the scene, shall perform only those procedures and administer only those drugs for which he/she is accredited for in Ventura County. Paramedics shall be held accountable and possibly liable for performing a procedure or treatment outside the paramedic scope of practice. If a physician at the scene wishes such a procedure or treatment performed, he/she may perform that procedure. The paramedic should attempt to have the on-site physician call the Base Hospital physician regarding the treatment.

Crush Injury/Syndrome	
ADULT	PEDIATRIC
BLS Procedures	
Perform spinal precautions as indicated Determine Potential vs. Actual Crush Syndrome Administer oxygen as indicated	
ALS Prior to Base Hospital Contact	
Potential for Crush Syndrome <ul style="list-style-type: none"> • IV access • Maintain body heat • Release compression • Monitor for cardiac dysrhythmias 	
Communication Failure Protocol	
Crush Syndrome <ul style="list-style-type: none"> • Initiate 2nd IV/<u>IO</u> access • Normal Saline <ul style="list-style-type: none"> ○ IV/<u>IO</u> bolus – 1 Liter <ul style="list-style-type: none"> • Caution with cardiac and/or renal history • Sodium Bicarbonate <ul style="list-style-type: none"> ○ IV mix – 1 mEq/kg <ul style="list-style-type: none"> • Added to 1st Liter of Normal Saline • Albuterol <ul style="list-style-type: none"> ○ Nebulizer – 5 mg/6 mL <ul style="list-style-type: none"> • Repeat x 2 • Morphine – Per Policy 705 - Pain Control • Maintain body heat • Release compression • Monitor for cardiac dysrhythmias • For cardiac dysrhythmias: <ul style="list-style-type: none"> ○ Calcium Chloride <ul style="list-style-type: none"> • IV/<u>IO</u> – 1 g over 1 min For continued shock <ul style="list-style-type: none"> • Repeat Normal Saline <ul style="list-style-type: none"> ○ IV/<u>IO</u> bolus – 1 Liter 	Crush Syndrome <ul style="list-style-type: none"> • Initiate 2nd IV access if possible or establish IO • Normal Saline <ul style="list-style-type: none"> ○ IV/<u>IO</u> bolus – 20 mL/kg <ul style="list-style-type: none"> • Caution with cardiac and/or renal history • Sodium Bicarbonate <ul style="list-style-type: none"> ○ IV mix– 1 mEq/kg <ul style="list-style-type: none"> • Added to 1st Liter of Normal Saline • Albuterol <ul style="list-style-type: none"> ○ Less than 2 years old <ul style="list-style-type: none"> • Nebulizer – 2.5 mg/3 mL <ul style="list-style-type: none"> ○ Repeat x 2 ○ 2 years old and greater <ul style="list-style-type: none"> • Nebulizer – 5 mg/6 mL <ul style="list-style-type: none"> ○ Repeat x 2 • Maintain body heat • Release compression • Monitor for cardiac dysrhythmias • For cardiac dysrhythmias: <ul style="list-style-type: none"> ○ Calcium Chloride <ul style="list-style-type: none"> • IV/<u>IO</u> – 20 mg/kg over 1 min For continued shock <ul style="list-style-type: none"> • Repeat Normal Saline <ul style="list-style-type: none"> ○ IV/<u>IO</u> bolus – 20 mL/kg
Base Hospital Orders only	
For persistent hypotension after fluid bolus: <ul style="list-style-type: none"> • Dopamine <ul style="list-style-type: none"> ○ IV/<u>IO</u>PB – 10 mcg/kg/min Consult with ED Physician for further treatment measures	For persistent hypotension after fluid bolus: <ul style="list-style-type: none"> • Dopamine <ul style="list-style-type: none"> ○ IV/<u>IO</u>PB – 10 mcg/kg/min Consult with ED Physician for further treatment measures
Additional Information: <ul style="list-style-type: none"> • Potential Crush Syndrome – Continuous crush injury to torso or extremity above wrist or ankle for 2 hours or less. • Crush Syndrome – Continuous crush injury to torso or extremity above wrist or ankle for greater than 2 hours. • If elderly or cardiac history is present, use caution with fluid administration. Reassess and treat accordingly. • Dysrhythmias are usually secondary to Hyperkalemia. ECG monitor may show: Peaked T-waves, Absent P-waves, widened QRS complexes, bradycardia • Calcium Chloride and Sodium Bicarbonate precipitate when mixed. Strongly consider starting a second IV (if feasible) for administration of Calcium Chloride 	

Effective Date: June 1, 2015
Next Review Date: March 31, 2017

Date Revised: March 12, 2015
Last Reviewed: March 12, 2015

VCEMS Medical Director