CENTRAL CALIFORNIA EMERGENCY MEDICAL SERVICES

A Division of the Fresno County Department of Public Health

Manual		Policy
	Emergency Medical Services	Number 530.32
	Administrative Policies and Procedures	
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	Paramedic Treatment Protocols	
	PEDIATRIC PRIMARY SURVEY	
References		Effective
	Title 22, Division 9, Chapter 4	Fresno County:
	of the California Code of Regulations	01/15/82
	-	Kings County: 04/10/89
		Madera County:
		06/15/85
		Tulare County
		04/19/05

SPECIAL CONSIDERATIONS AND PRIORITIES

1. Evaluate airway and protective airway reflexes.

> Identify signs of airway obstruction and respiratory distress including: cyanosis; stridor; drooling; nasal flaring; choking; grunting; intercostal retractions; absent breath sounds; bradycardia; apnea or bradypnea; and tachypnea.

2. Basic airway and spinal immobilization.

> Open airway, using jaw thrust and chin lift, and/or head tilt if no suspected spinal trauma. Suction as needed. Consider placement of oral pharyngeal airway if child is unconscious. If cervical spine trauma suspected, immobilize spine with cervical immobilization device and backboard. Infants and young children may require under-shoulder support to achieve neutral cervical spine position. Children in car seats may be immobilized within their car seat.

3. Oxygen

> Nasopharyngeal, oropharyngeal airway, mask, or oxygen blow-by, as tolerated, with child in position of comfort.

Assist ventilation. 4.

Use chest rise as indicator of adequate ventilation. If chest rise is inadequate, consider: repositioning the airway; foreign body in airway; inadequate bag volume or activated pop-off valve. Rescue breathing includes two initial, slow breaths (1-1¹/₂ sec.) then rate of 20 breaths/minute for infant or child.

5. Evaluate circulation.

> Assess perfusion using: heart rate; skin signs (mottling, pallor); capillary refill (delay greater than 2 sec.); mental status (lethargy); quality of pulse (weak, thready) and blood pressure. Compression rate is 120/minute for newborns, 100/minute for infants and children with 30:2 compressions, ventilations for single rescuer and 15:2 compressions, ventilations for 2 rescuers. Depth is 1/3 - 1/2 inch for infant and child.

Approved By		Revision
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EMS Director	(Signature on File at EMS Agency)	06/01/2018
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- 6. Establish level of responsiveness.
- 7. Do environmental assessment including consideration of intentional injury.
- 8. Determine appropriate treatment protocol.
- 9. Utilize Broselow Tape to determine equipment, medications and resuscitation guidelines. If patient is taller than the Broselow Tape, refer to adult protocols.
- 10. Establish IV if airway is secure with BLS airway. Accomplish simultaneously with other therapy if possible.

		PEDIAT	TRIC MEASUREN	MENTS – VITAL S	SIGNS	
Age	cm Length	Weight (kg) (50 th Percentile)	Avg Systolic Blood Pressure	Pulse/min	Resp/min	
Preemie	0-53 cm	less than 2.5		greater than 120		
Term NB	54-58 cm	2.5-4	60-70	greater than 120	30-50	
3 months	59-65 cm	6	70-80	80-120	30-50	
6 months	66-74 cm	7	80-100	80-160	30-50	
1 year	75-86 cm	10	80-100	80-160	24-40	
2 years	75-86 cm	12	94	80-130	24-32	
4 years	87-99 cm	16	98	80-120	22-28	
6 years	100-113 cm	20	102	70-115	22-28	
8 years	114-132 cm	25	106	70-110	20-24	
10 years	133-158 cm	34	110	70-110	20-24	
12 years	100-113 cm	41	114	65-110	16-22	
Formulas for Systolic BP: Formula for weight: Less than 1 year old:			Lower BP Limit 50 th percentile BP for age over 2 <u>Age in months</u> + 4 = Weight in kg 2			BP = 70 + (2x age in year BP = 90 + (2x age in year
	•	<u>Ag</u>		Weight in kg		