



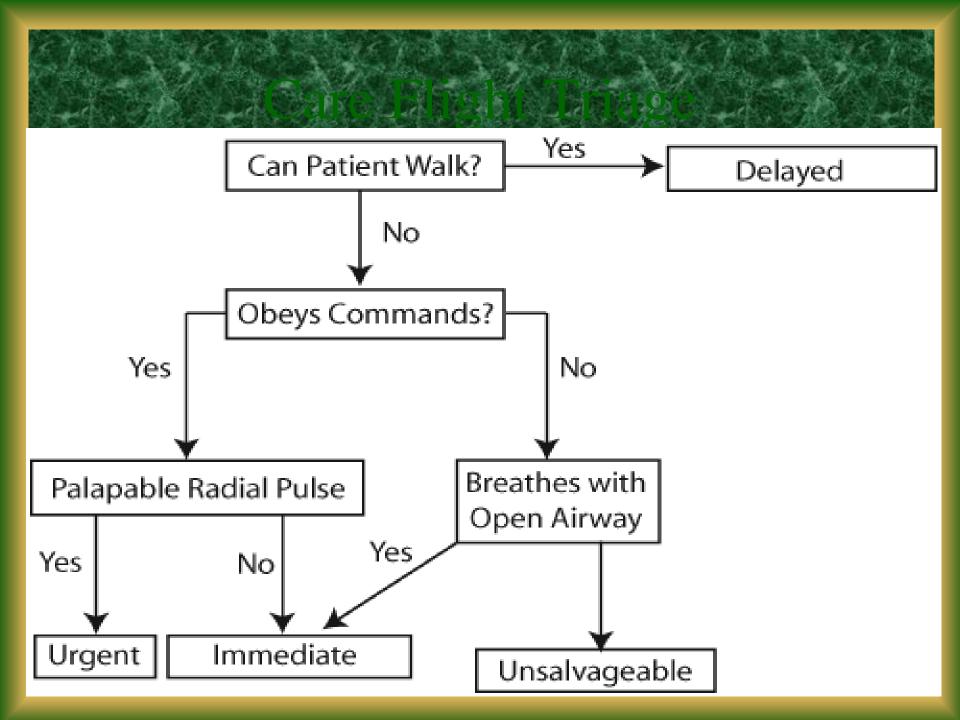
Minimally Invasive Surgical Sciences Research Center Iran University Of Medical Sciences

Pediatria Griage

Children Triage

	Skin	THE RESERVE OF THE PARTY OF THE
•	Activityneeds	assistance? Not ambulating? Responsive?
•	Ventilationretractions? head bobbing?	Nasal flaring? Slow? Fast? Stridor? Wheezing?
	Eye contact	glassy stare? Fails to engage/focus?
	Abuse	
	Cry	high pitched? Irritable?
•	Heat	>41" c? - <36" c?
	Immune sys	sickle cell? AIDS? Corticosteroids?
• Level of consciousnessirritable? Lethargic? Pain only? Convulsing? responsive?		
	Dehydration Hollow eyes ? Cap Severe diarrhea ? Y	voillary refill? Cold hands,feet? Voiding? Vomiting: projectile, bilious, persistent? Dry mucous membranes?

Care Flight Triage





Developed in Great Britain

Proprietary, TSG

Associates Length-based

pediatric MCI triage tape

Age-adjusted physiologic

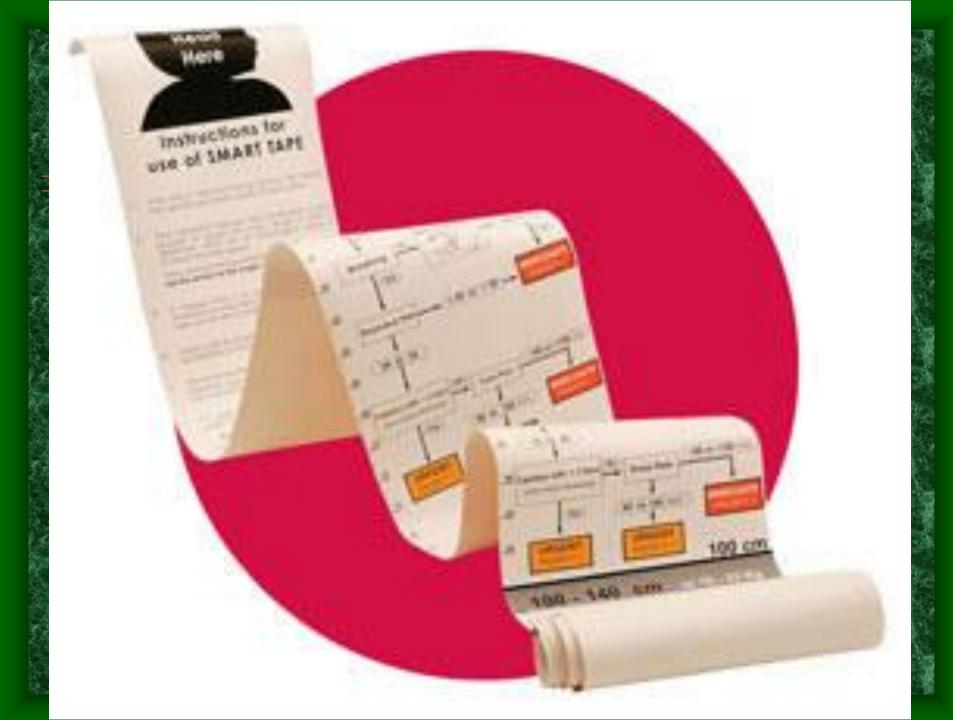
parameters

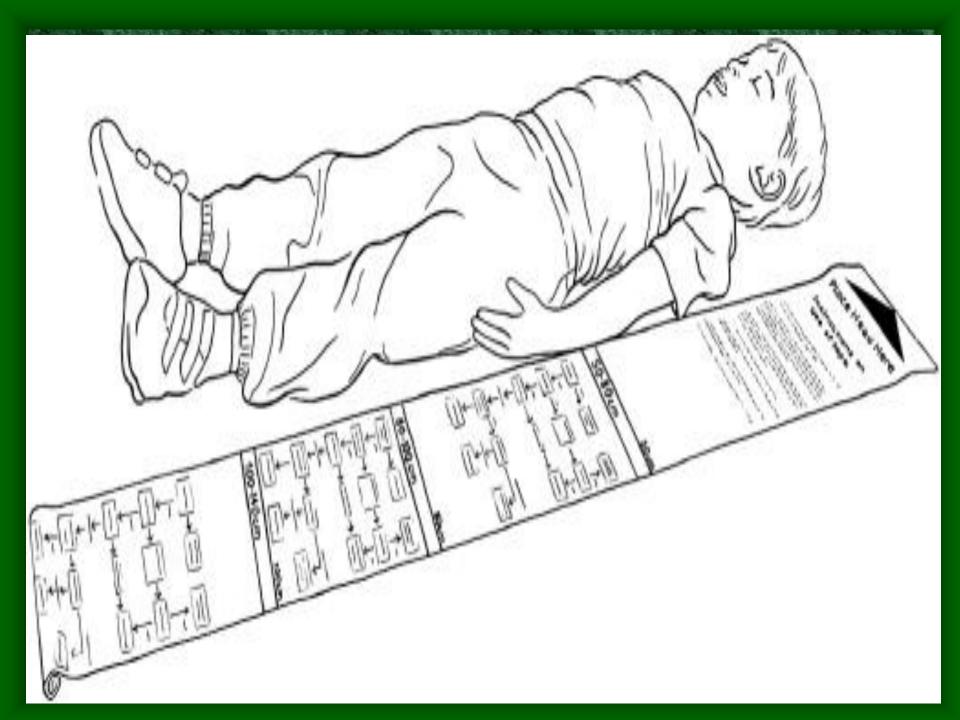
In use in Europe, Africa and

some states in the US

www.tsgassociates.co.uk/ English/Civilian/products/ smart_tape.htm





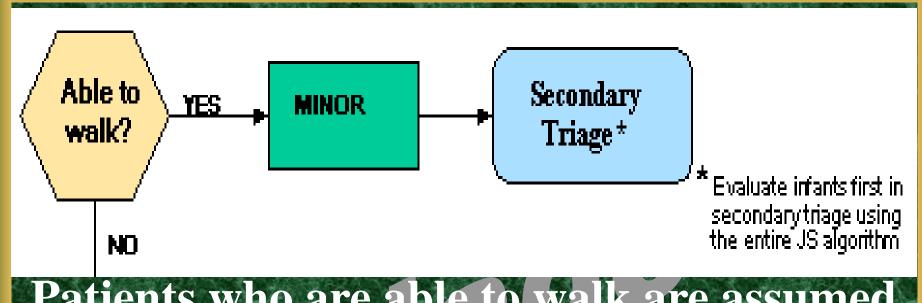


JumpSTART

The ages of "tweens and teens" can be hard to determine so the current recommendation is:

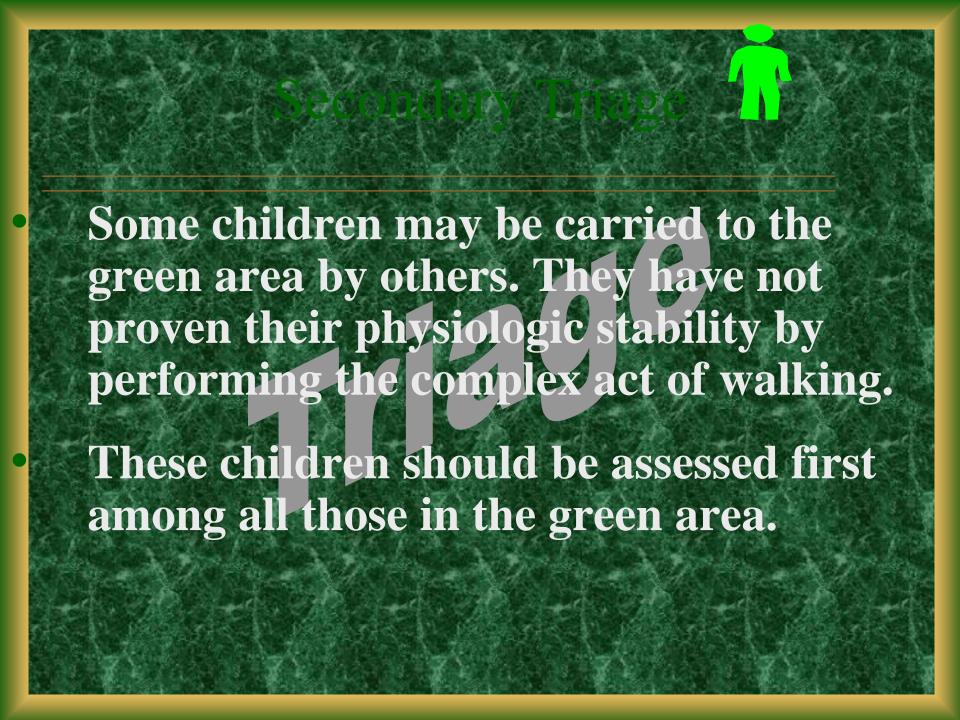
If a victim appears to be a child, use JumpSTART.

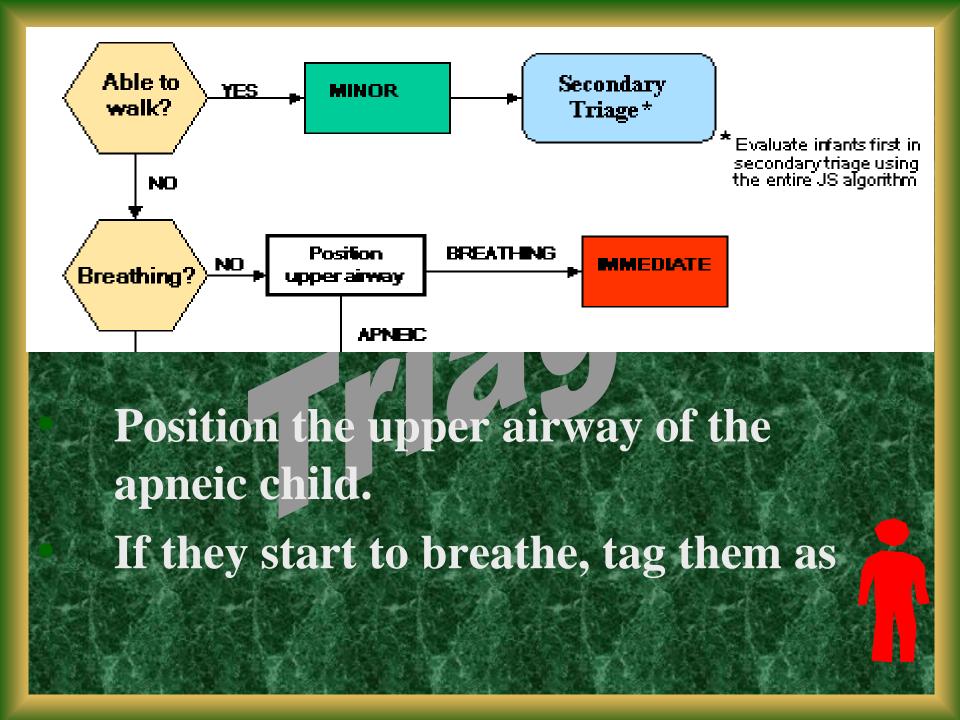
If a victim appears to be a young adult, use START.

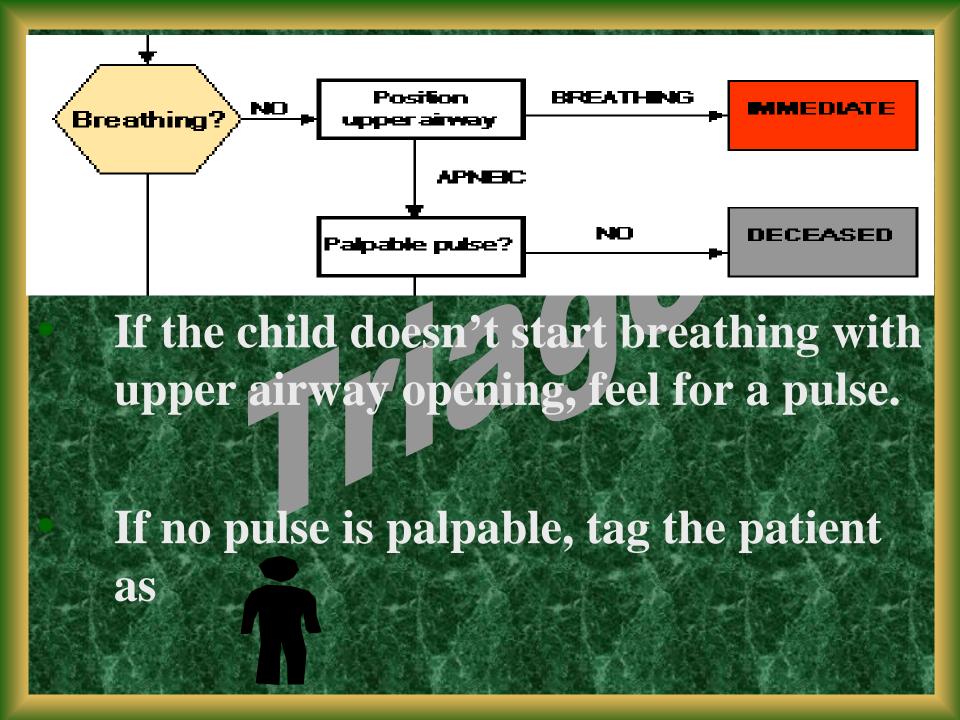


Patients who are able to walk are assumed to have stable, well-compensated physiology, regardless of the nature of their injuries or illness.

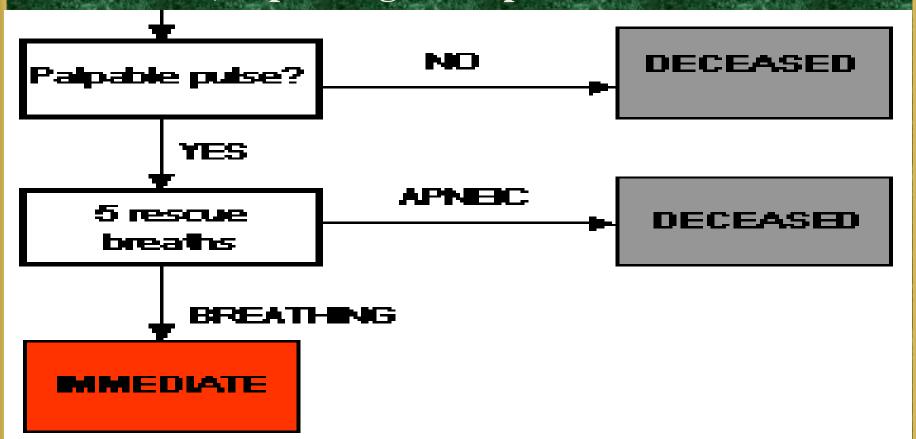




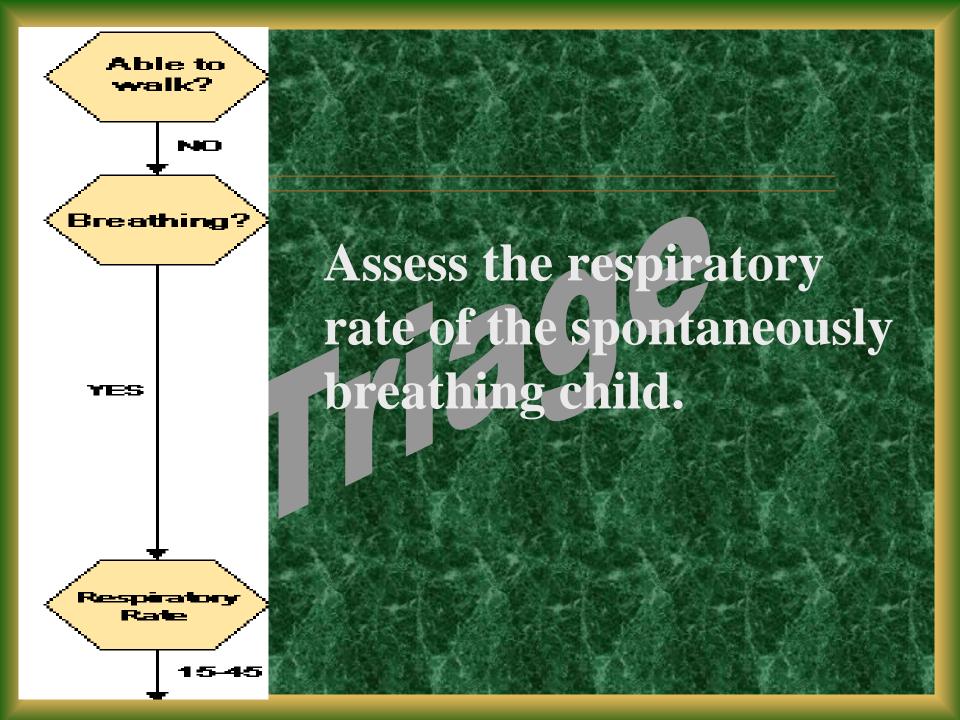


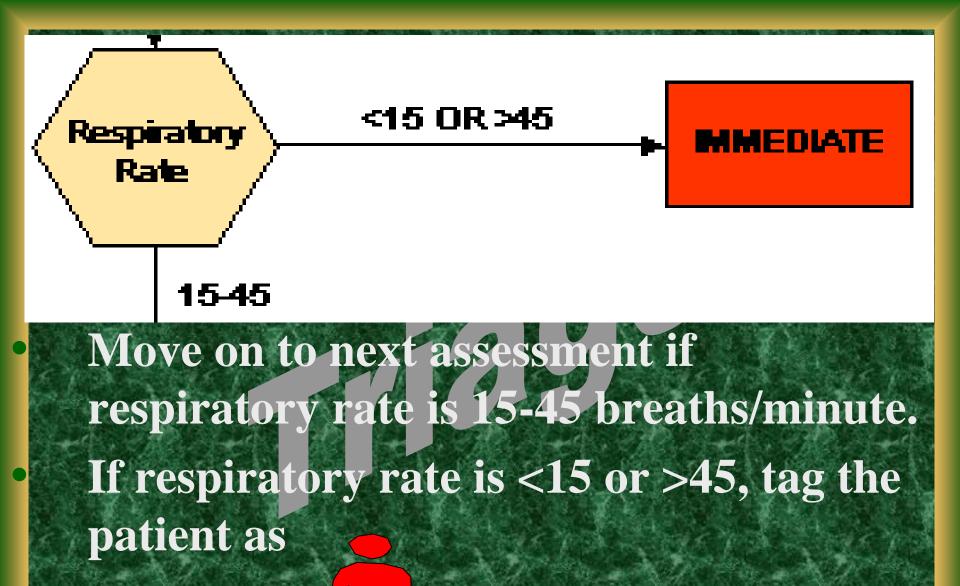


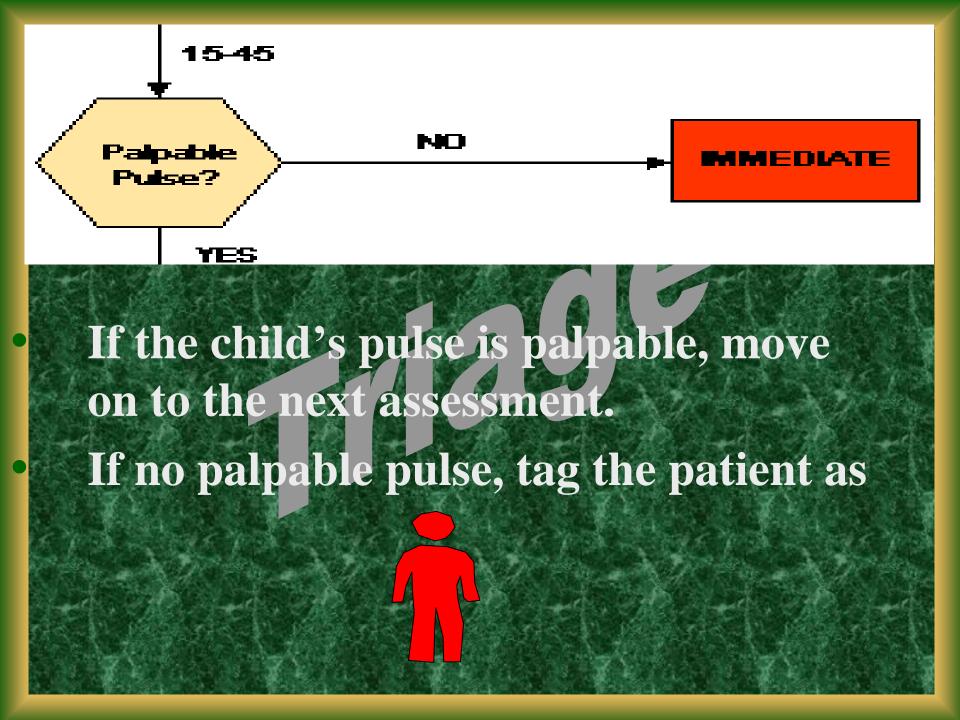
If the patient has a palpable pulse, give 5 mouthto-barrier breaths to open the lower airways. Tag as below, depending on response to ventilations.

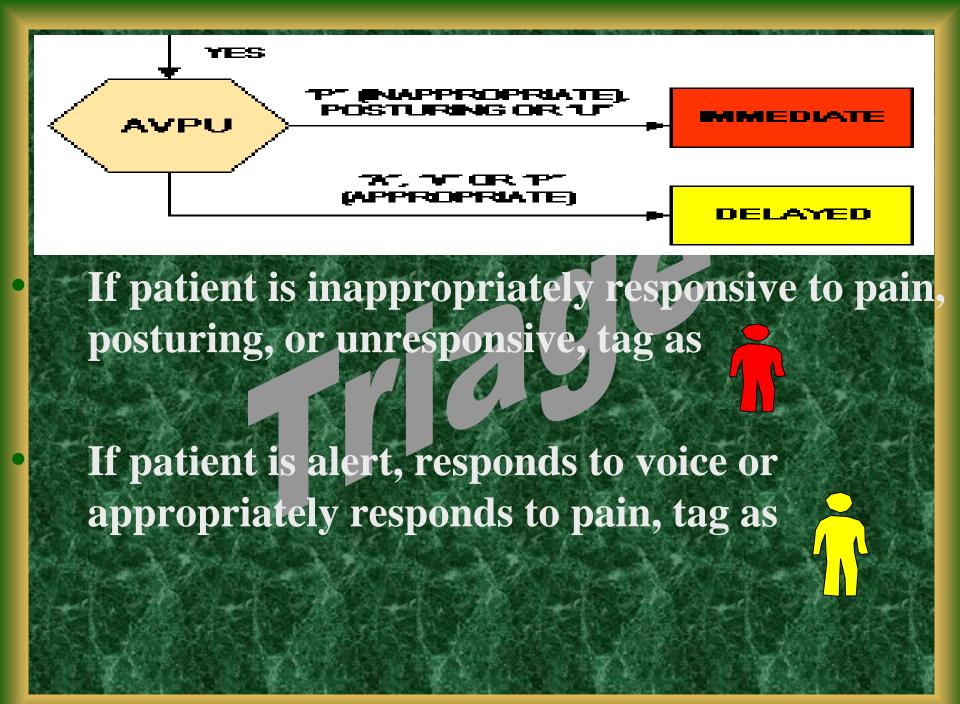


DO NOT CONTINUE TO VENTILATE THE PATIENT. RESUME TRIAGE DUTIES.









Modification for Nonambulatory Children

Children developmentally unable to walk due to young age or developmental delay

Children with chronic disabilities that prevent them from walking

Modification for Nonambulatory Children

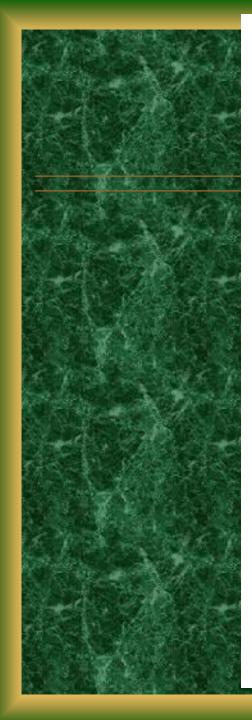
For nonambulatory children, assess using the JumpSTART algorithm.

If pt meets any red criteria tag as

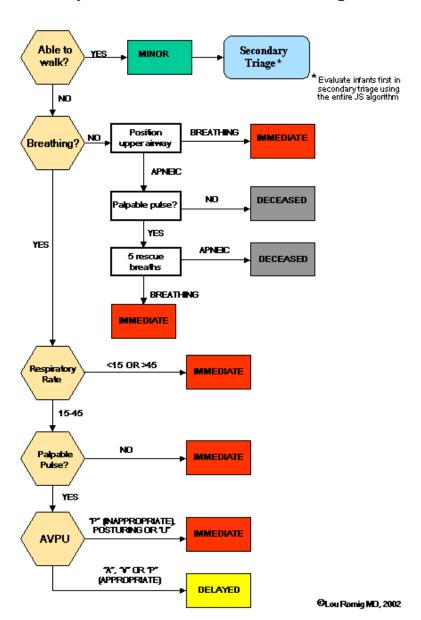
Modification for Nonambulatory Children

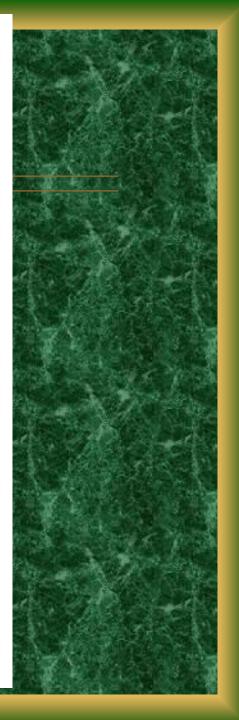
If patient meets yellow criteria and has significant external signs of injury, tag as

If patient meets yellow criteria and has no significant external signs of injury, tag as

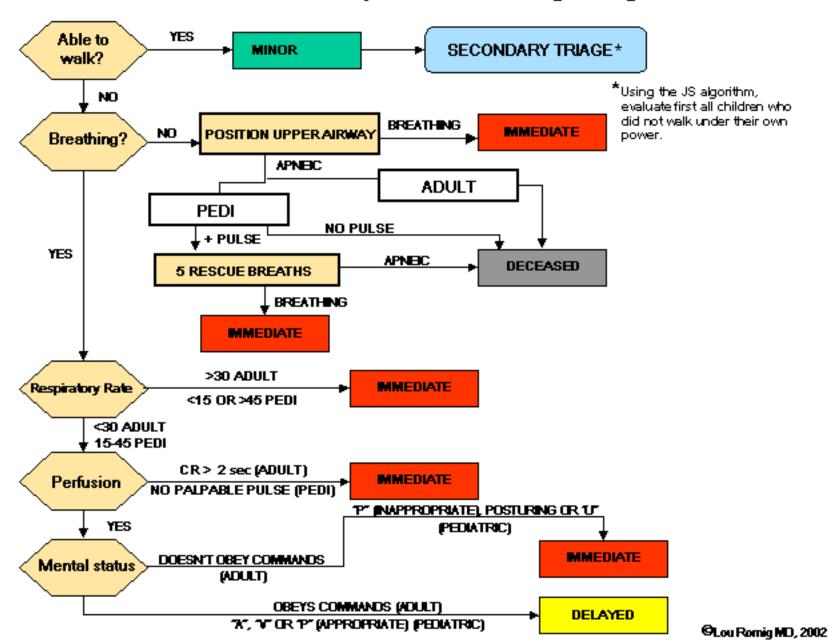


JumpSTART Pediatric MCI Triage®





Combined START/JumpSTART Triage Algorithm



- Based on their overall pathology not on exposure
- Even patients receiving a lethal dose of radiation will not die immediately
- If a R.C. suffers a severe injury or illness, immediate intervention is required
- Decontamination: clothing removal hair covering

reduce contamination by approx. 80%

Patient classification:

- Survival probable
- Survival possible
- Survival improbable

Survival probable:

- No initial symptoms
- Mild symptoms: nausea, vomiting

- Subside within a few hours
- No hospitalization

Survival possible:

nausea & vomiting relatively brief lasting
 24-48h following an asymptomatic period

- Admit for fluid &electrolytes + anti emetics
- Protective isolation precaution

Survival improbable

 Rapid onset of fulminating nausea, vomiting& diarrhea

Intense fluid & electrolytes & hyperalimentation therapy +
 B.M. transplantation

Lightening & Electrical Injuries Triage

Lightening & Electrical Injury

- Traditional rules of mass casualty triage do not apply to Lightening victims
- Major cause of death: C.P. arrest
- No pulse or respiration : C.P.R.
- Multiple victims: RESPIRATION control

Lightening & Electrical Injury

• Resp. arrest caused by CNS injury often lasts longer than the cardiac pause & may lead to a secondary cardiac arrest with VF from hypoxia

Ventilation during the time between the two arrests must be continued

Triage in Burn Injuries



2nd Degree

- > 30% >>> Red
- Head, Neck, Genitalia, Joints, Hands, Feet>>> Red
- { < 5yrs, > 60yrs, Pregnants } > 10% >>> Red
 Comorbidities & > 10% >>> Red
- Other 2nd Degrees >>> Yellow

Triagetof pregnant patient

Triage of pregnant patient

- Two lives can be treated as single live
- The best preserver of fetal life is optimal care of the mother
- Resuscitate the mother before abandoning her sake of the infant

Levels of Severity Red

- Cardio-respiratory distress
- Eclampsia
- •Active hemorrhage heavy bleeding
- Urge to push

- •Objects protruding from vagina
- No fetal movement
- Diabetic coma/DKA
 - •Other lifethreatening conditions to mother or fetus

Levels of Severity Yellow

- Contractions every 2 minutes & appears uncomfortable
- Multipara in active labor
- Decreased fetal movement
- Abdominal pain

- Preterm labor or preterm rupture of membranes
- Pre-eclampsia or HELLP syndrome
 - Rule-out ROM

Levels of Severity Green

- Nausea/vomiting/diarrhea
- Urinary complaints
- Stable gestational hypertension
- Wound infection

- Upper respiratory infection
- Vaginal discharge/
- vaginitis
- Wound checks
- Staple removal
- Injections, lab draws





Management of Mass Casualty Incident



Acute

30%

Non Acute 70%

Red

5%

Yellow

25%

Green

n Pazooki60%

Black

10%

Triage& Treatment& Transport Zone (TTTZ)

Medical Command

Black patients

Treatment

Triage

Treatment

Transport

Treatment

MEDICAL OFFICERS

MEDICAL COMMAND

- DUTIES- responsible for overall control of Medical Sector
- PLACEMENT At Command Post
- Key focus
 - 1. Facilitate communication between Incident Commander and Medical Sector.
 - 2. Provide direction and support for Medical Sector officers

MEDICAL OFFICERS (Continued)

TRIAGE OFFICER

- Duties
- 1. Establish Triage and Treatment Zone (TTTZ)

 - 2. Triage all patients before they are placed in TTZ 3. Number each patient on triage band for tracking
- PLACEMENT: At entrance of TTTZ
- KEY FOCUS
- "Guard" TTZ entrance, do not allow patients to enter until tagged and numbered

MEDICAL OFFICERS (Continued)

TREATMENT OFFICER

- Duties.
 - 1. Coordinate primary treatment of patients in TTTZ
 - 2. Assign patients to Transport Officer in order of transport
 - 3. Monitor minor injury area, assign personnel (1:10 ratio)
 - 4. Assure retriage of patients awaiting transport q. 15 minutes or less
- PLACEMENT: Inside TTTZ
- KEY FOCUS: Supervise treatment, prioritize patient transport

MEDICAL OFFICERS (Continued)

TRANSPORT OFFICER

Duties:

- 1. Assign patients for transport as directed by Treatment Officer
- 2. Assign patient destinations as directed by Dispatch
- 3. Complete Unit Transport Record for each transporting unit
- 4. If Dispatch unable to assign destinations, use Field MCI Log to evenly distribute patients
- PLACEMENT: At exit of TTTZ
- KEY FOCUS: Evenly distribute patients to hospitals, most critical first

