

AIR FORCE SPECIAL OPERATIONS COMMAND

EMT INTERMEDIATE/PARAMEDIC TREATMENT PROTOCOLS FOR AIR FORCE SPECIAL OPERATIONS MEDICAL TECHNICIANS



AFSOC HANDBOOK 48-1
1 JULY 1998

**EMT INTERMEDIATE/PARAMEDIC TREATMENT PROTOCOLS FOR
AIR FORCE SPECIAL OPERATIONS MEDICAL TECHNICIANS**

This handbook incorporates requirements, information, and procedures formerly contained in AFSOC SG policy letters. This Handbook applies to all active duty AFSOC 4F0X1 and 4N0X1 personnel, certified at the Emergency Medical Technician- Intermediate and Paramedic level, as outlined in AFSOCI 48-101.

OPR: HQ AFSOC/SGPA (SMSgt McGill), 16 OSS/OSM (MSgt Cole)

Certified by: HQ AFSOC/SGA (Lt Col Pollard)

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Medical Control

Care of injured personnel in combat or rescue situations requires medical command and control by licensed medical providers. Paramedical and Emergency Medical Technician-Intermediates providing care in these situations are acting under the principal of 'delegated authority', where the provider (usually a physician) allows appropriately trained personnel to perform specified diagnostic and therapeutic interventions. There are several types of medical control:

- On Line Medical Control: A physician is either present on the scene and personally directs patient care, or is contacted by radio or other means and gives 'live' instructions.

- Off Line Medical Control: Contact with a control physician is impossible or impractical, care is given based on specific physician approved protocols.

The medical control chain for AFSOC medical technicians assigned to Operations Support Squadron Medical Flights (OSS/OSM) is in the following precedence:

On Line Medical Control:

- Senior AFSOC Flight Surgeon present at the scene.
- Special Tactics Flight Surgeon present at the scene.
- Senior US military physician present at the scene.
- Qualified (training equivalent to US physician) Allied country senior military physician present at the scene
- Qualified civilian physician (training equivalent to US MD or DO) present at the scene, provided he/she agrees to assume responsibility for care and accompany the patient to higher level of care.
- Senior AFSOC Physician Assistant present at the scene
- Any of the above in direct radio contact

Off Line Medical Control:

On line medical control is the preferred means of medical control for all casualty situations. In the event on line control is not possible the following will apply:

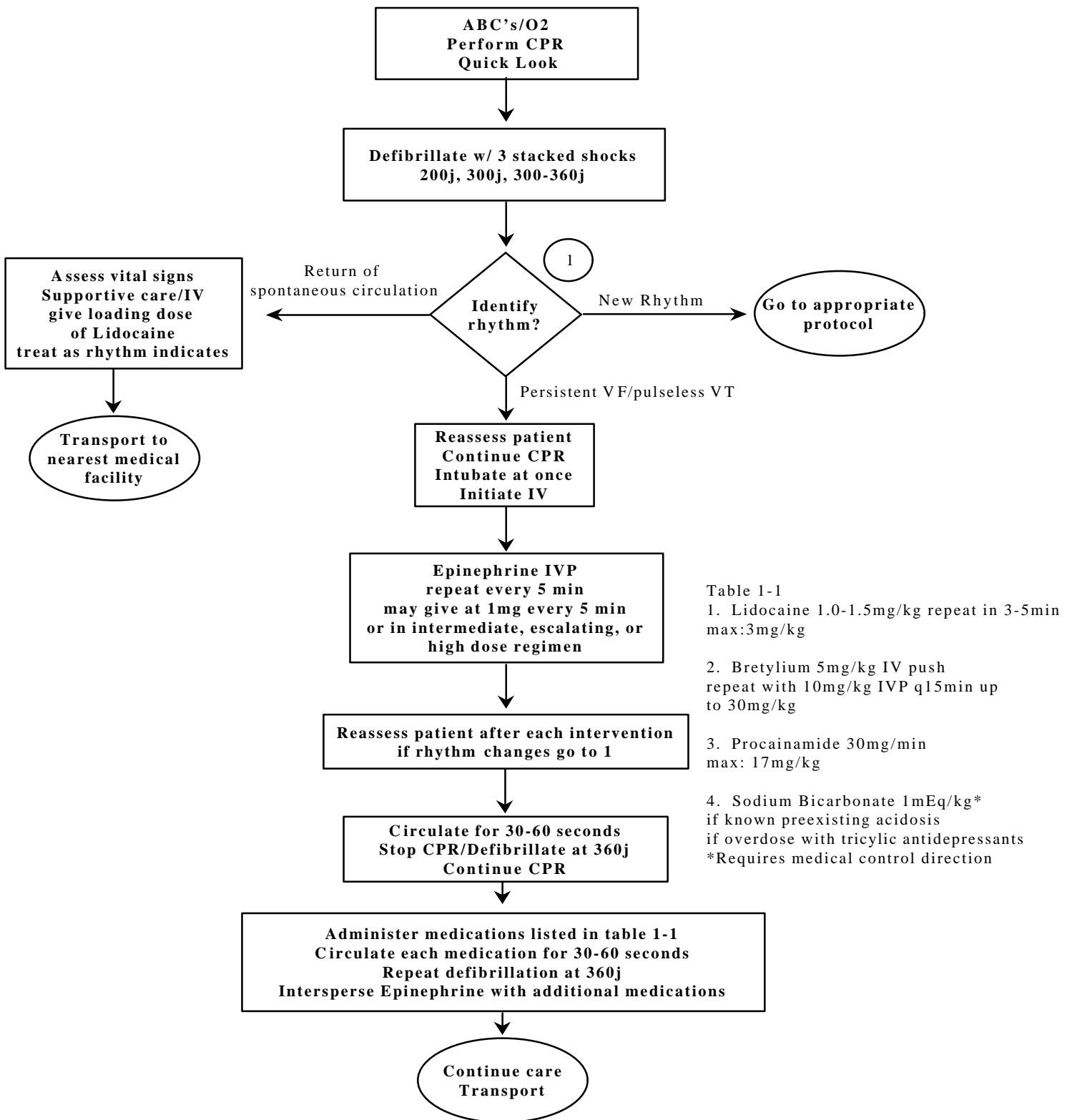
- The Senior medic is responsible for directing medical care at all scenes where on line control is not possible. He/she will direct medical control in strict adherence to the established protocols contained herein.
- AFSOC medical technicians assigned to OSS/OSM flights will attempt to contact on line medical control in all situations prior to reverting to protocol use, with the exception of an immediate life threat and then will attempt to establish on line control as soon as possible after the patient is stabilized.

Universal Precautions

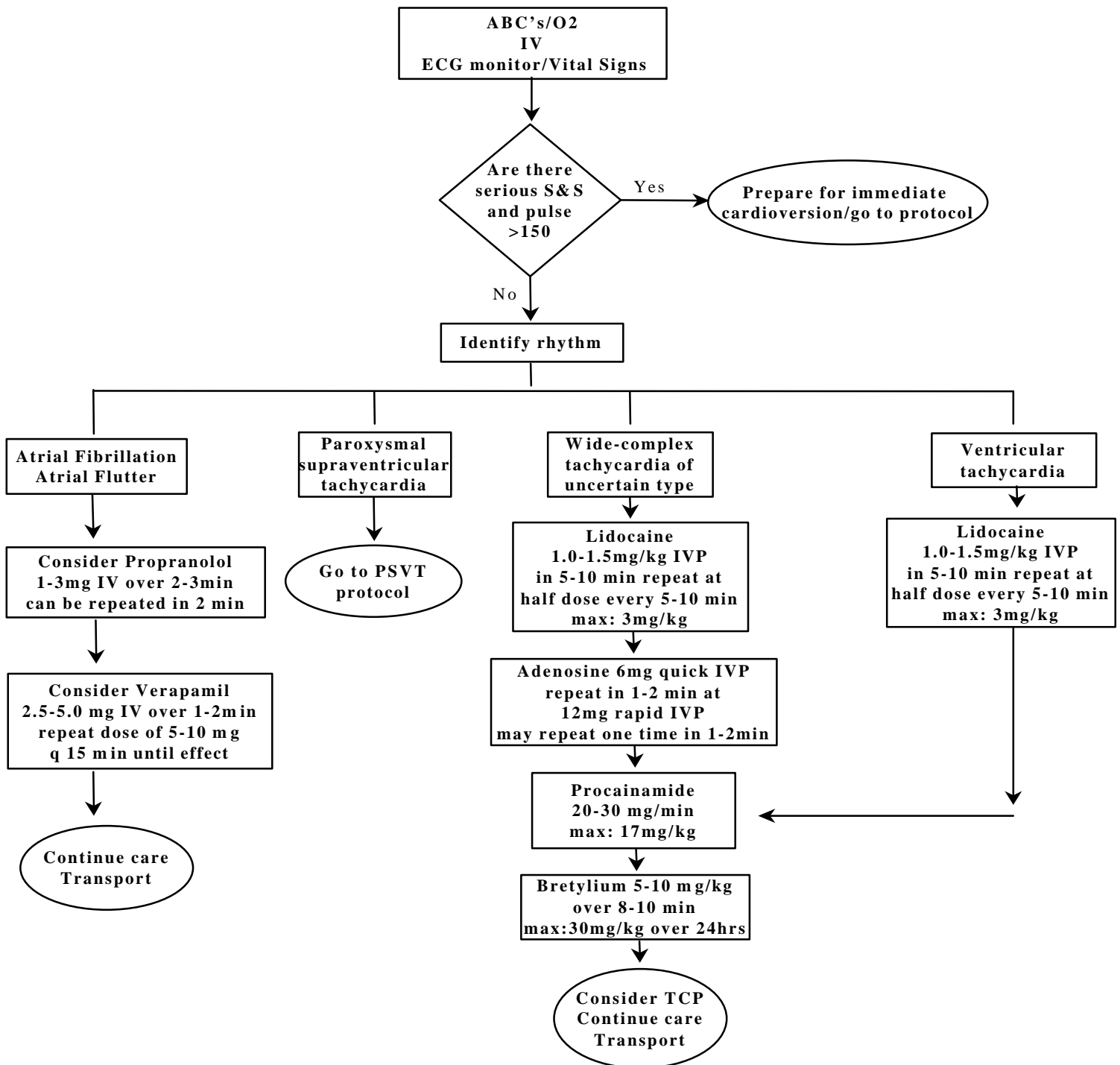
Universal precautions will be taken appropriately for every situation. They will not be addressed for each individual protocol.

Advanced Cardiac Life Support

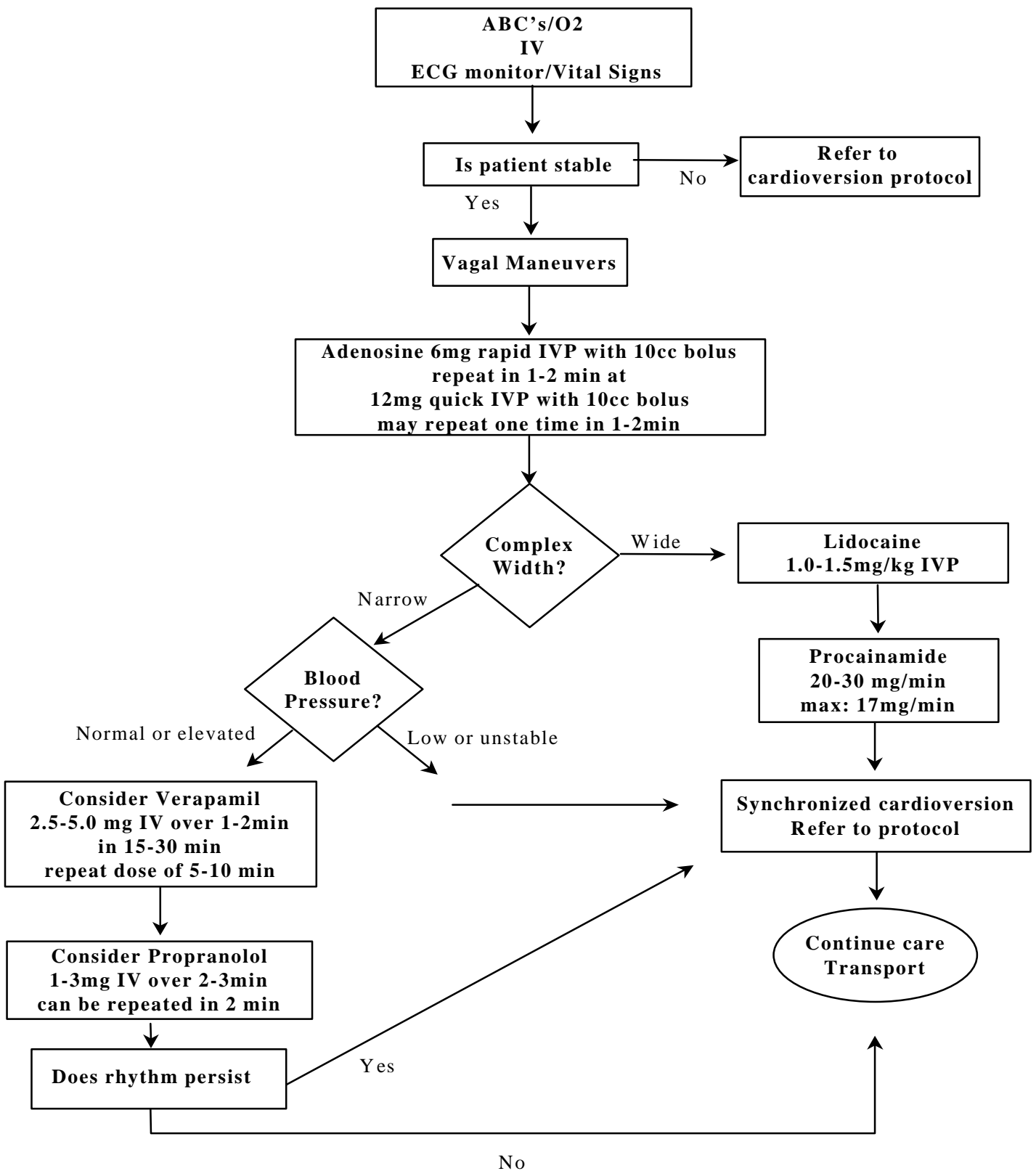
Ventricular Fibrillation/Pulseless Ventricular Tachycardia



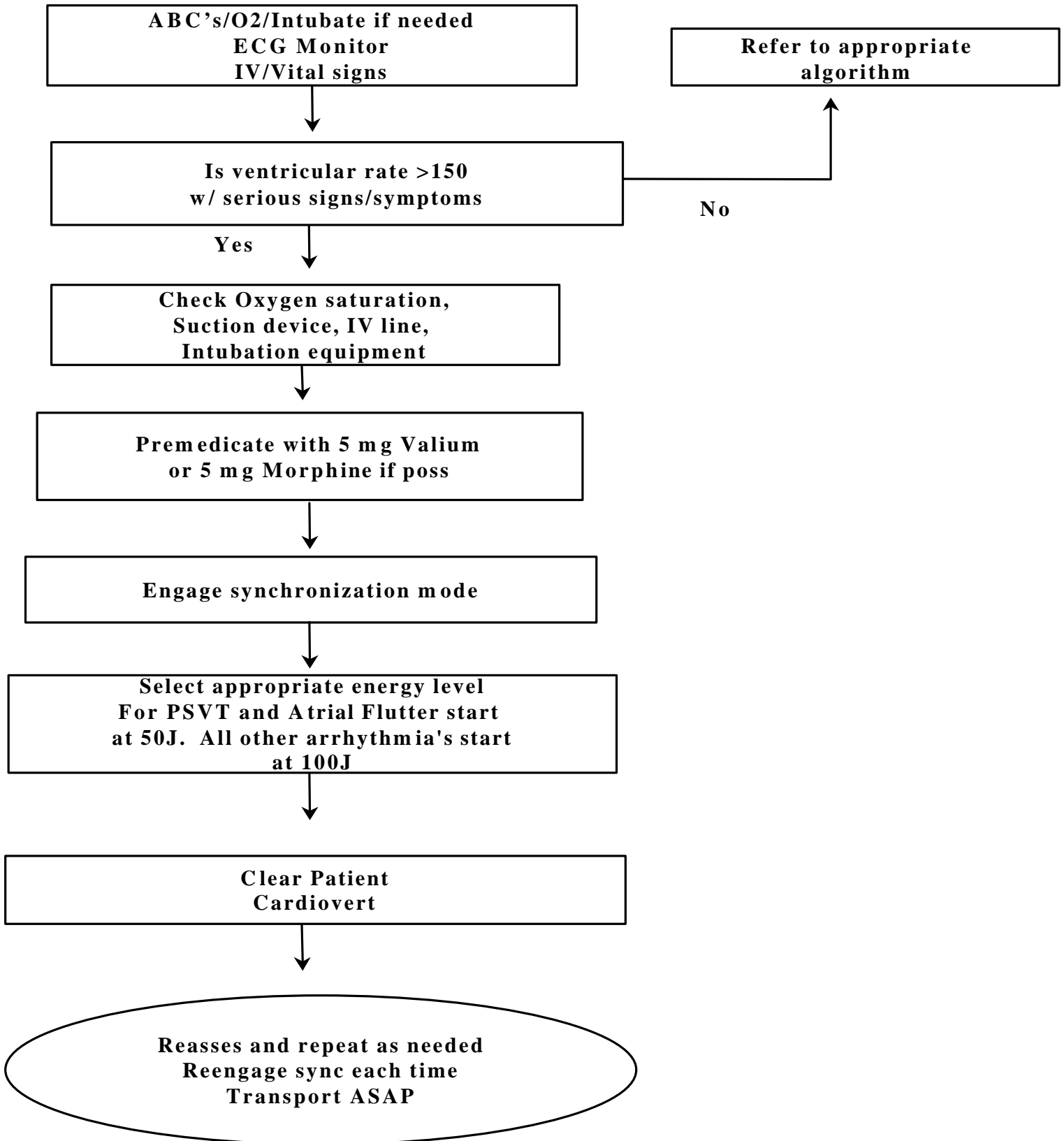
Tachycardia



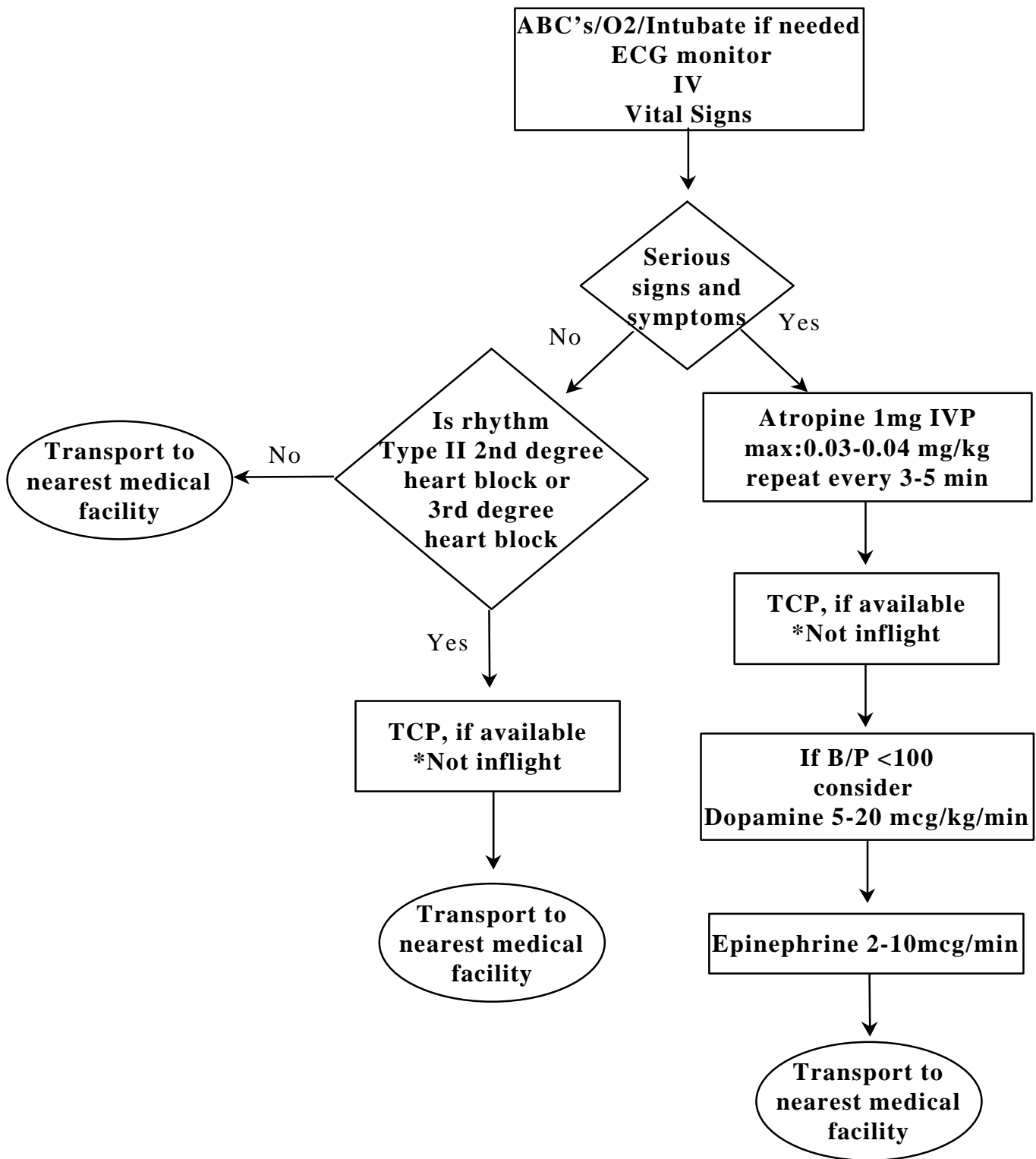
Paroxysmal Supraventricular Tachycardia



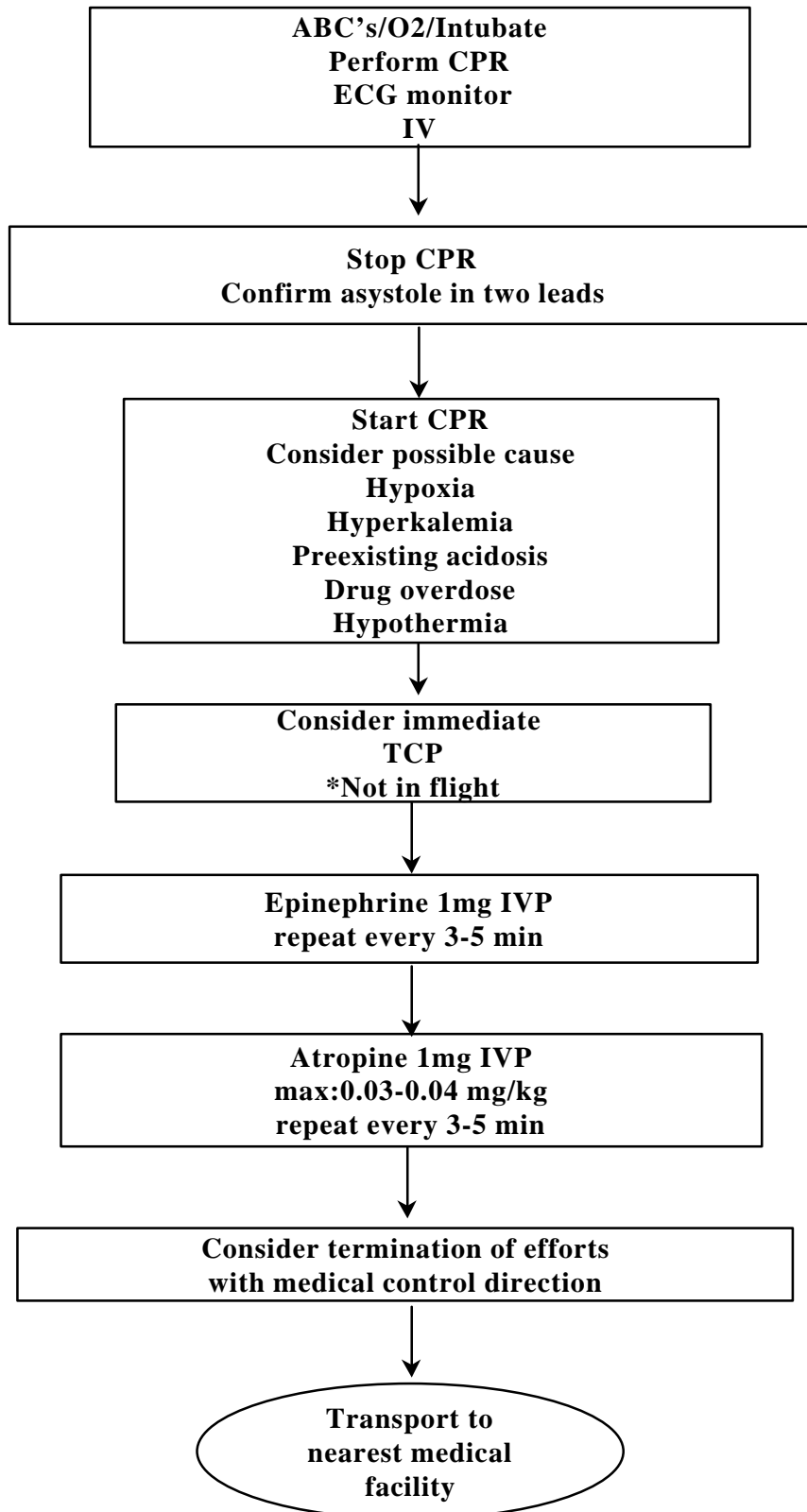
Electrical Cardioversion



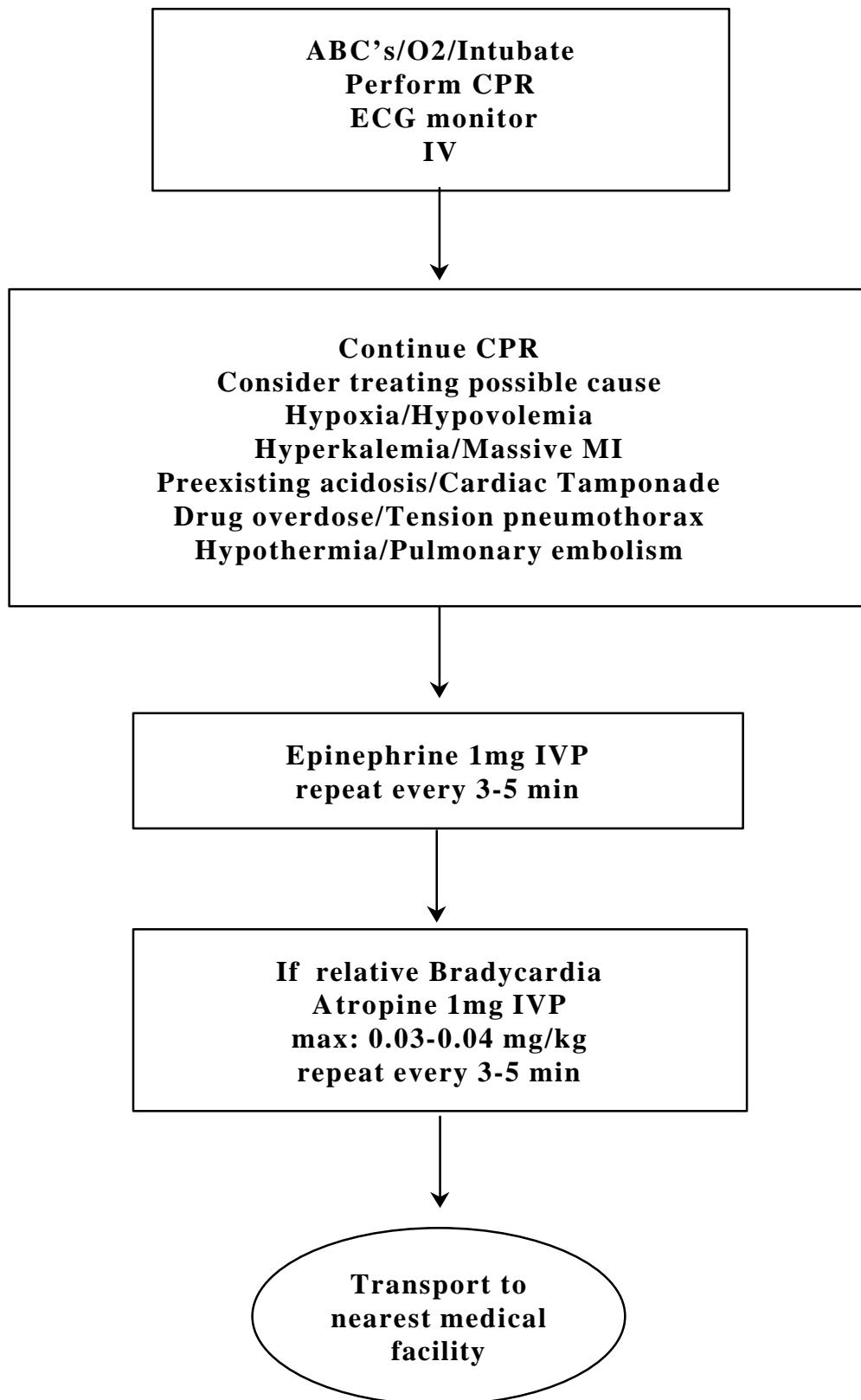
Bradycardia



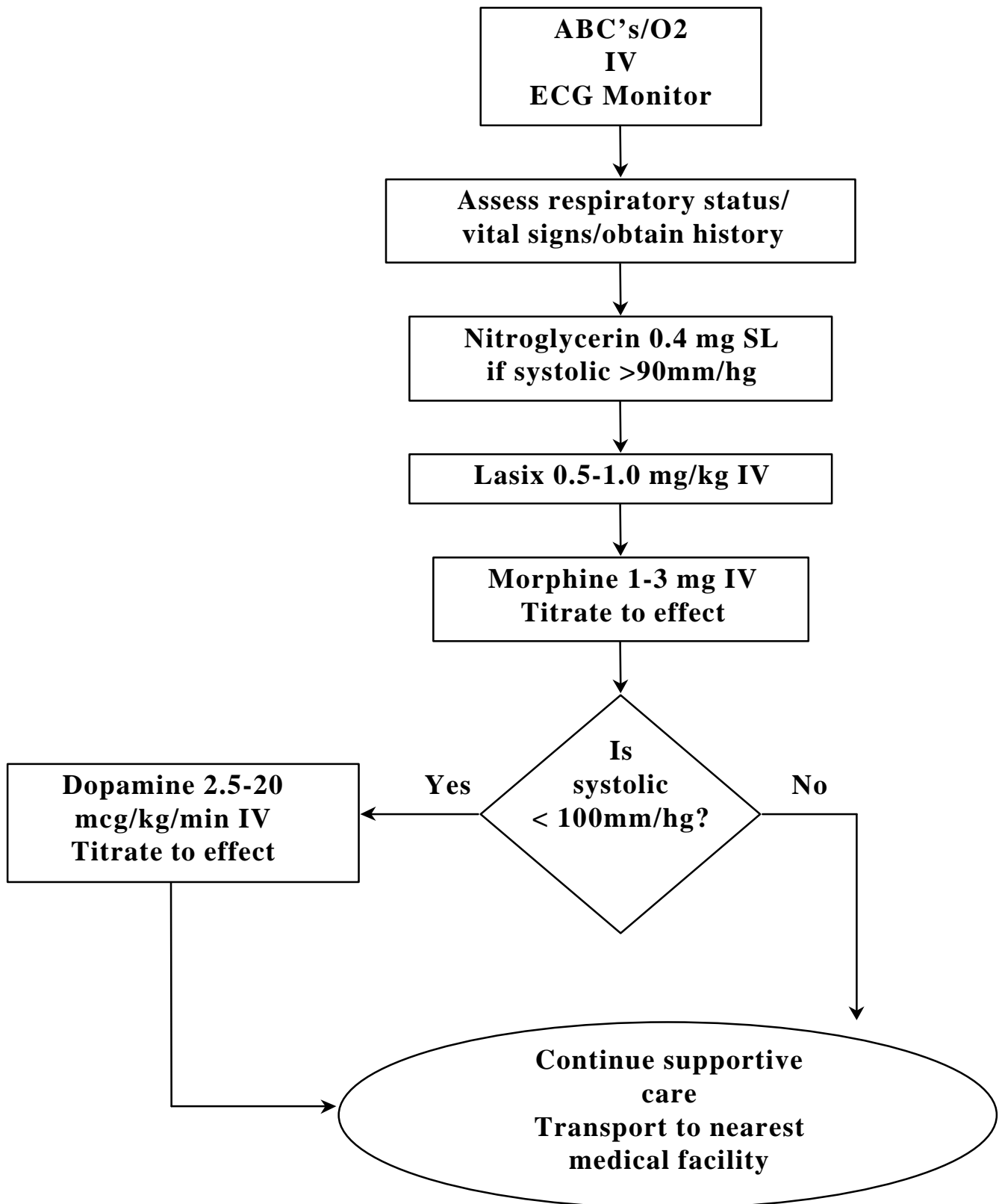
Asystole



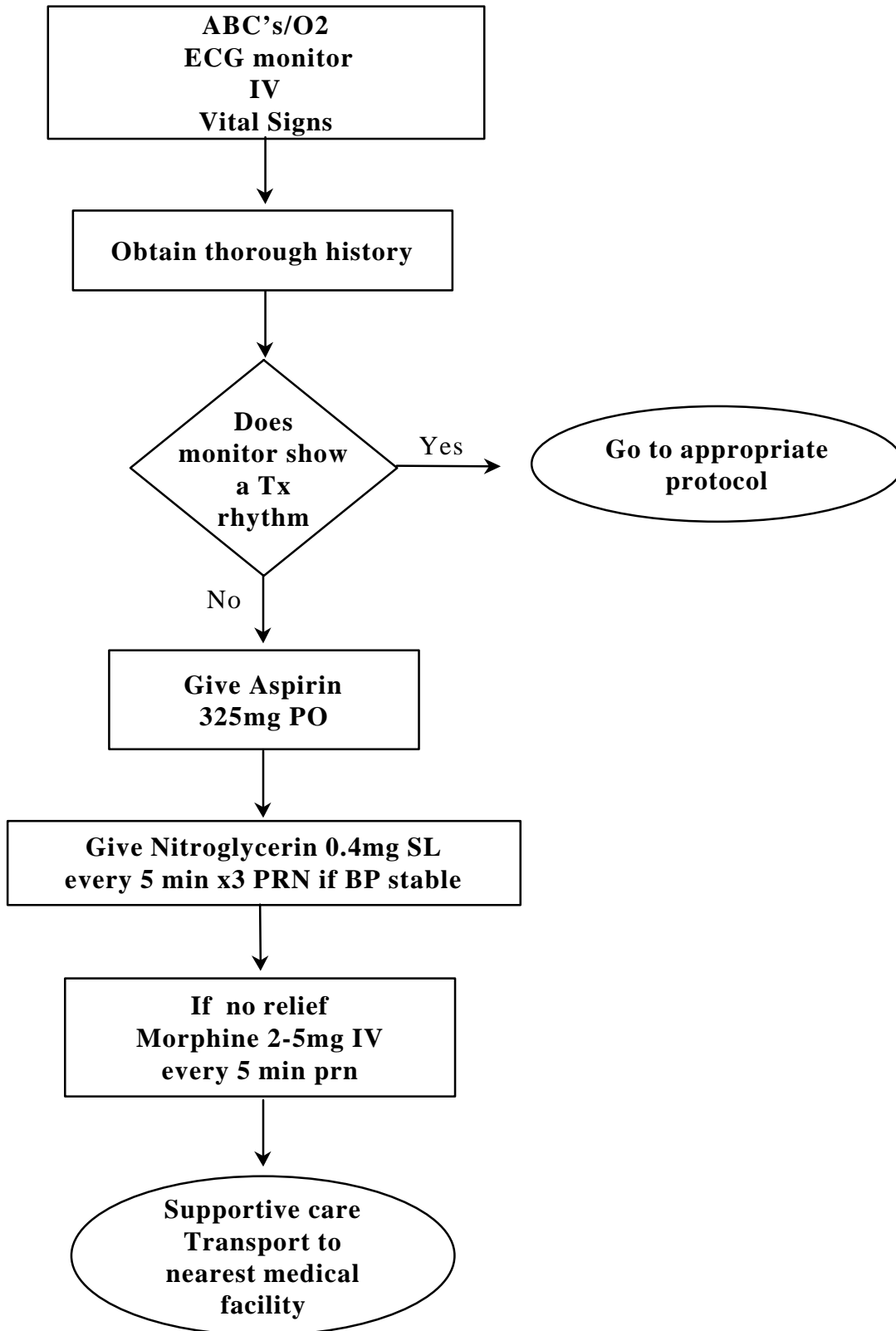
Pulseless Electrical Activity



Pulmonary Edema

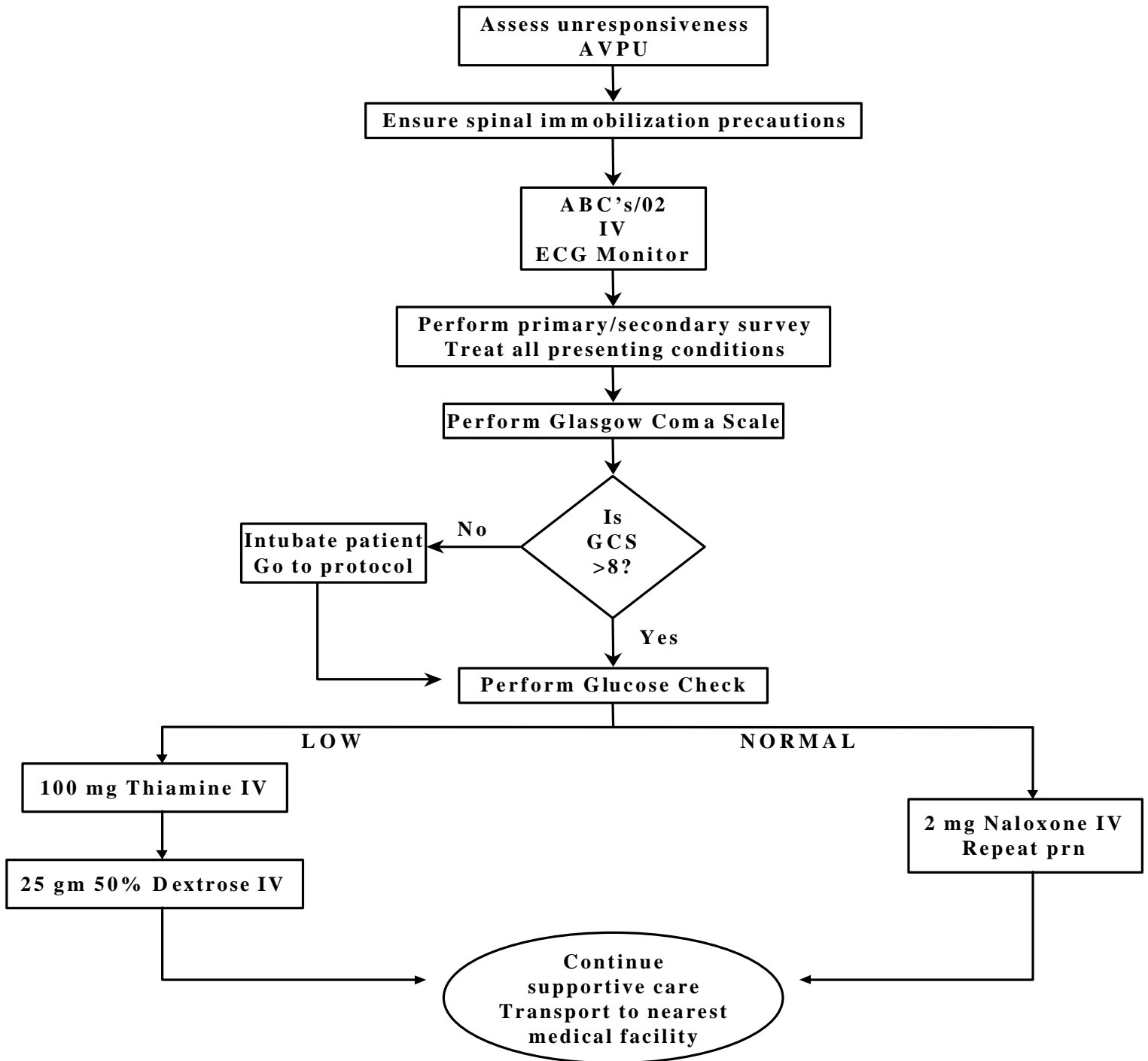


Acute Myocardial Infarction/Chest Pain

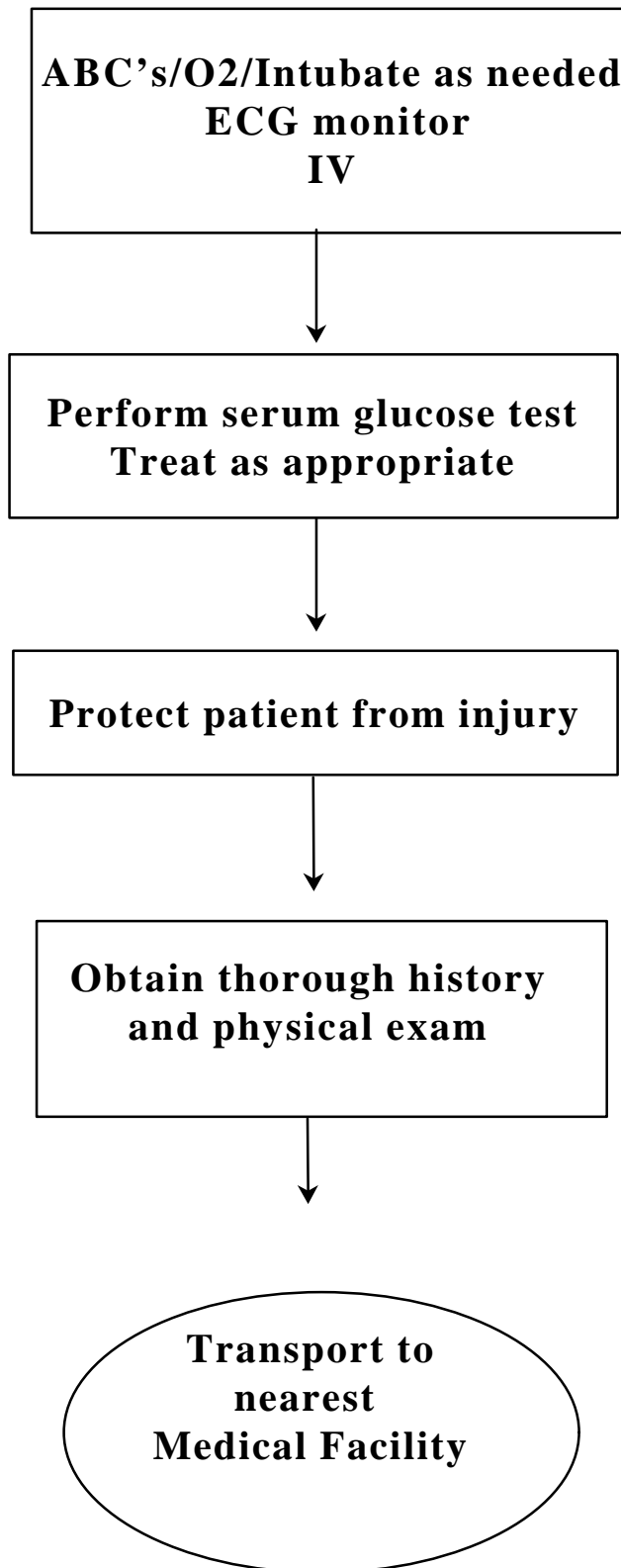


Medical Emergencies

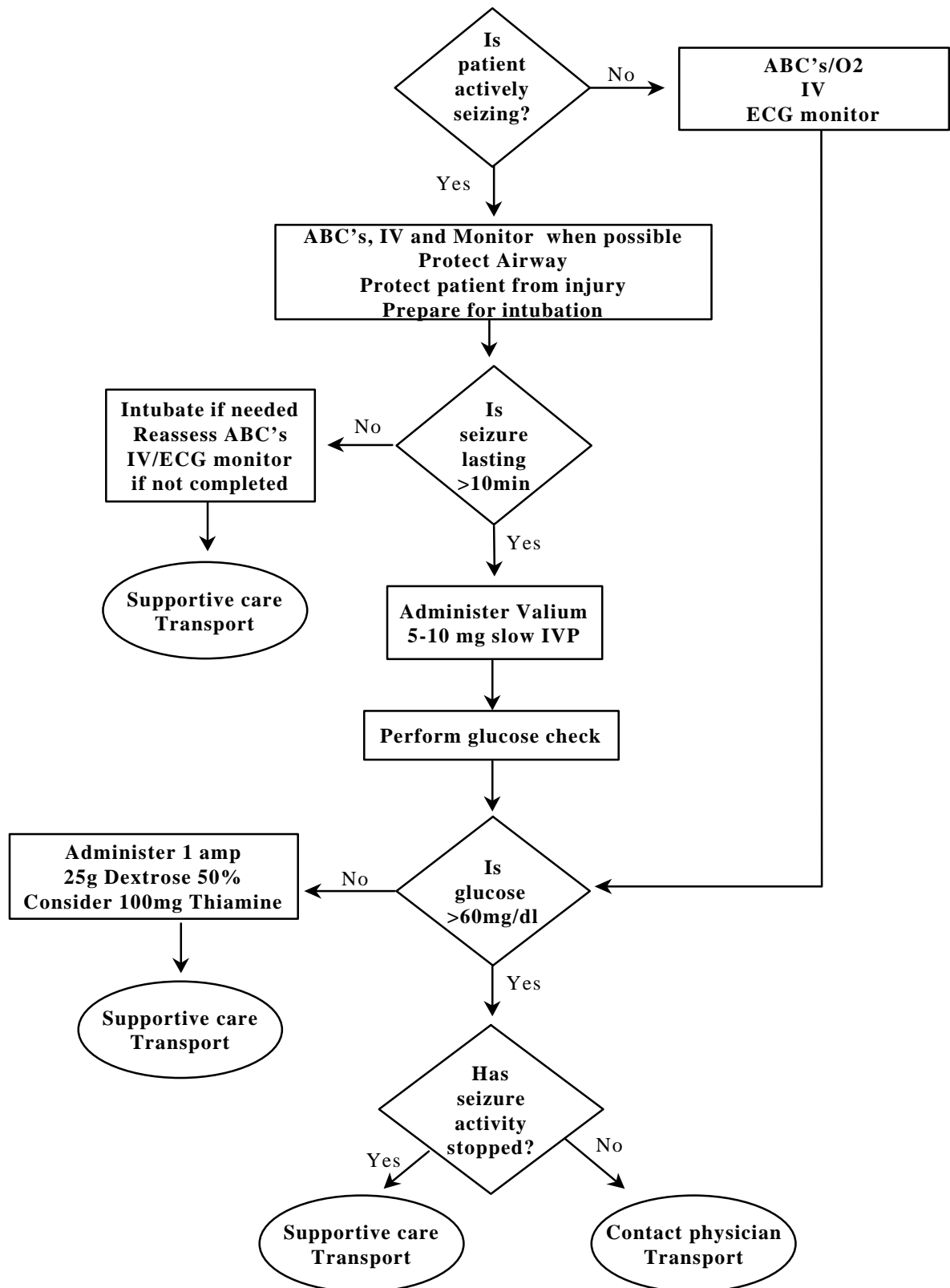
Unconscious/Unknown



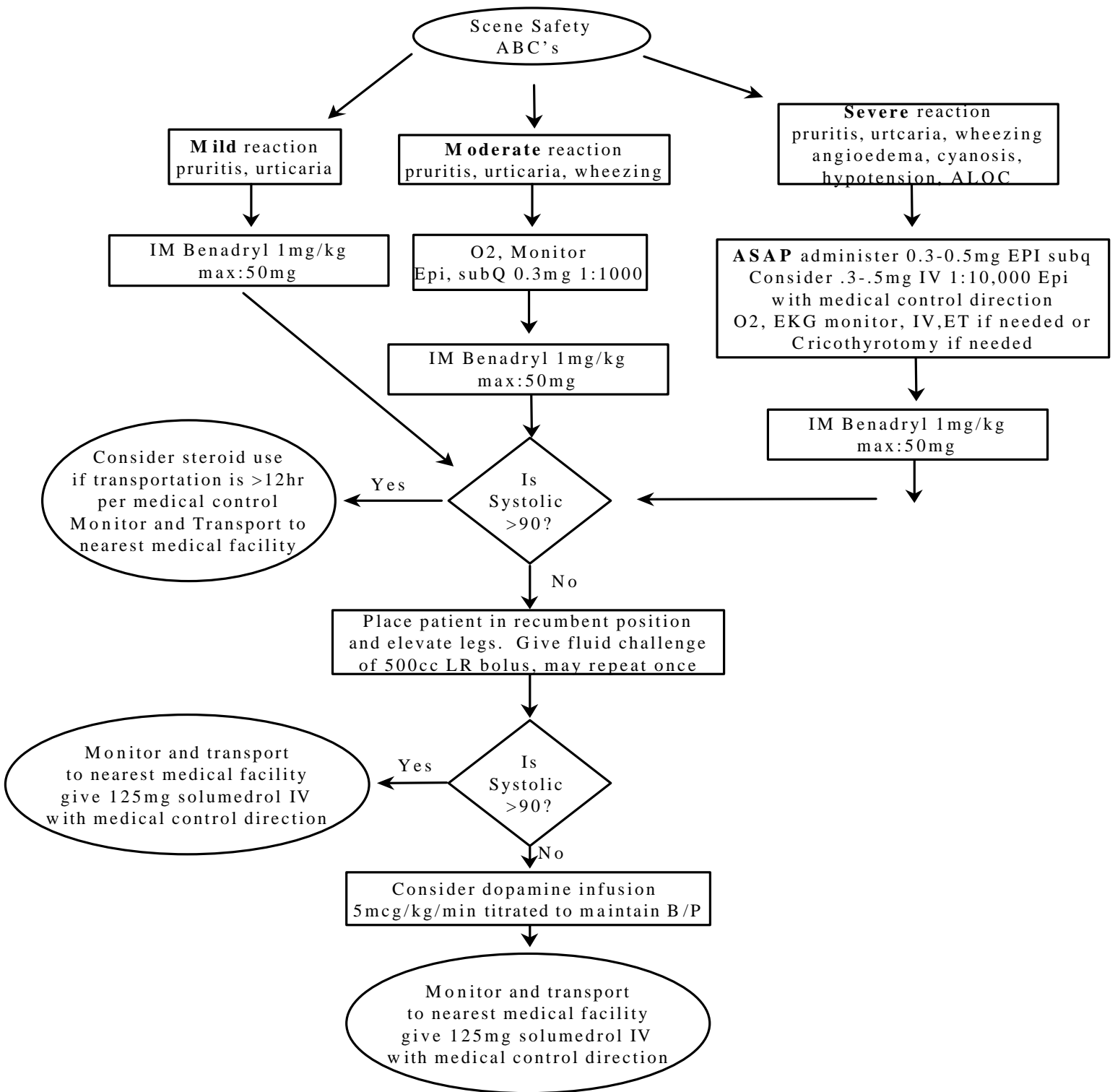
Cerebral Vascular Accident



Seizure

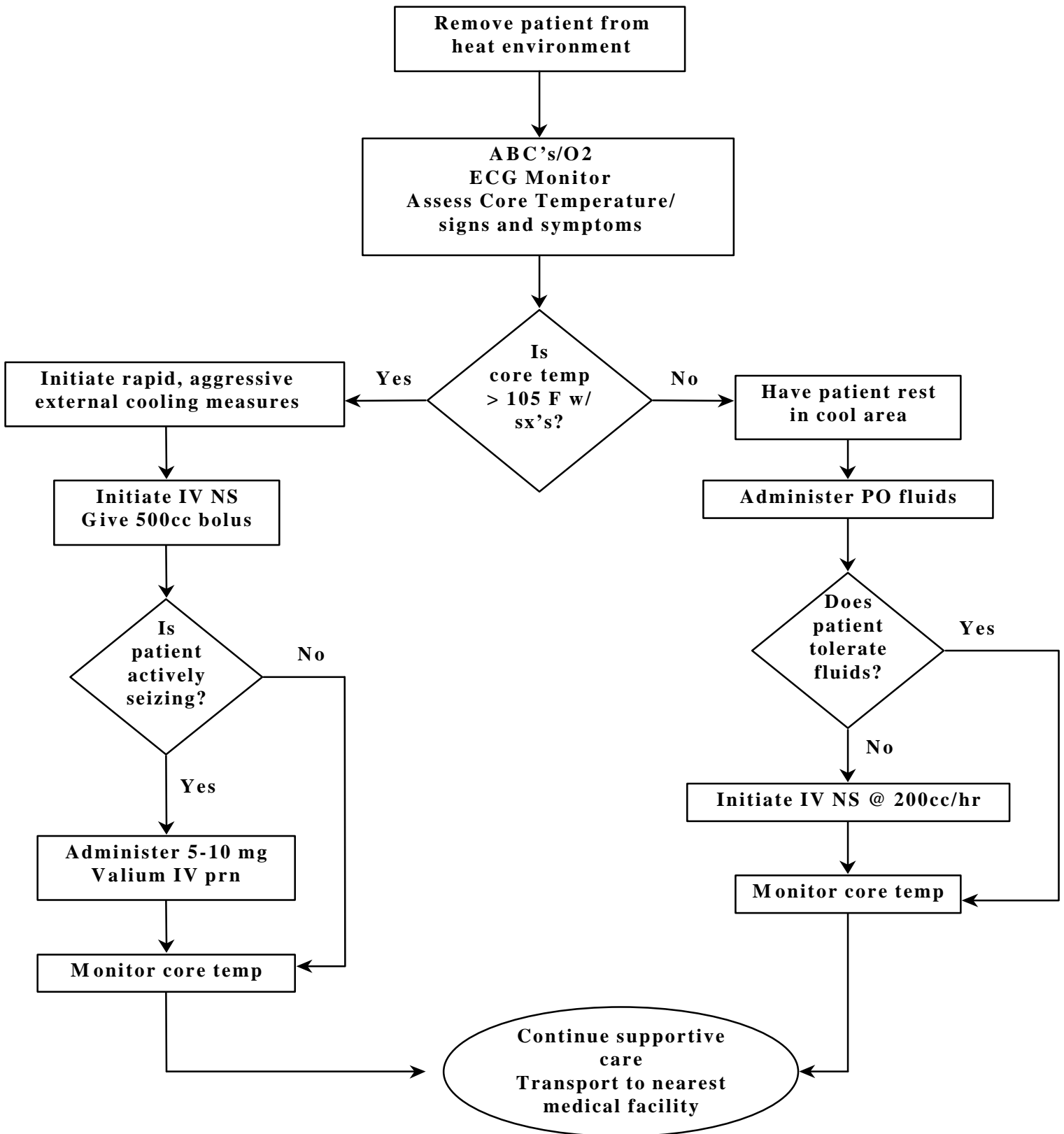


Allergic Reaction

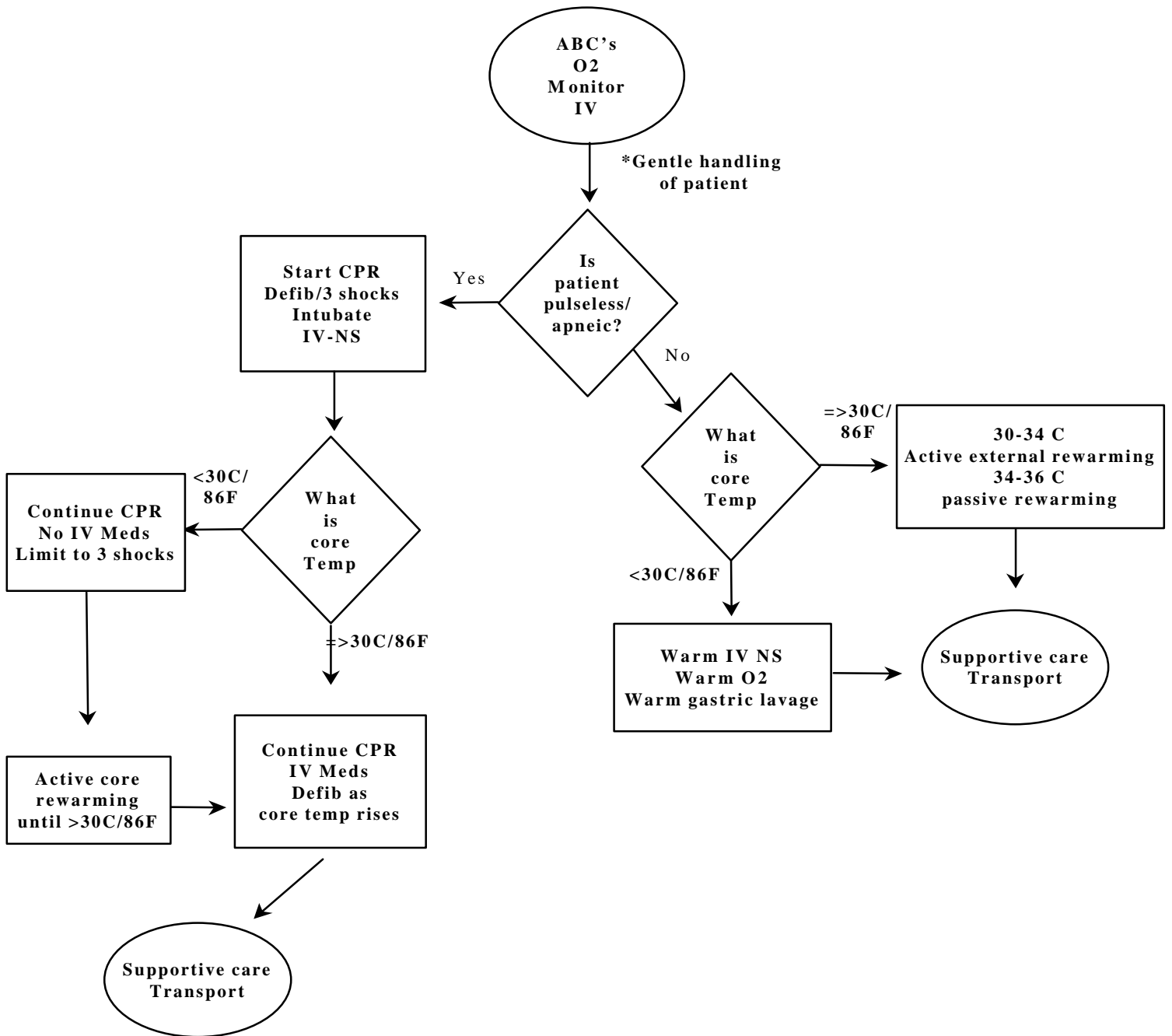


Environmental Emergencies

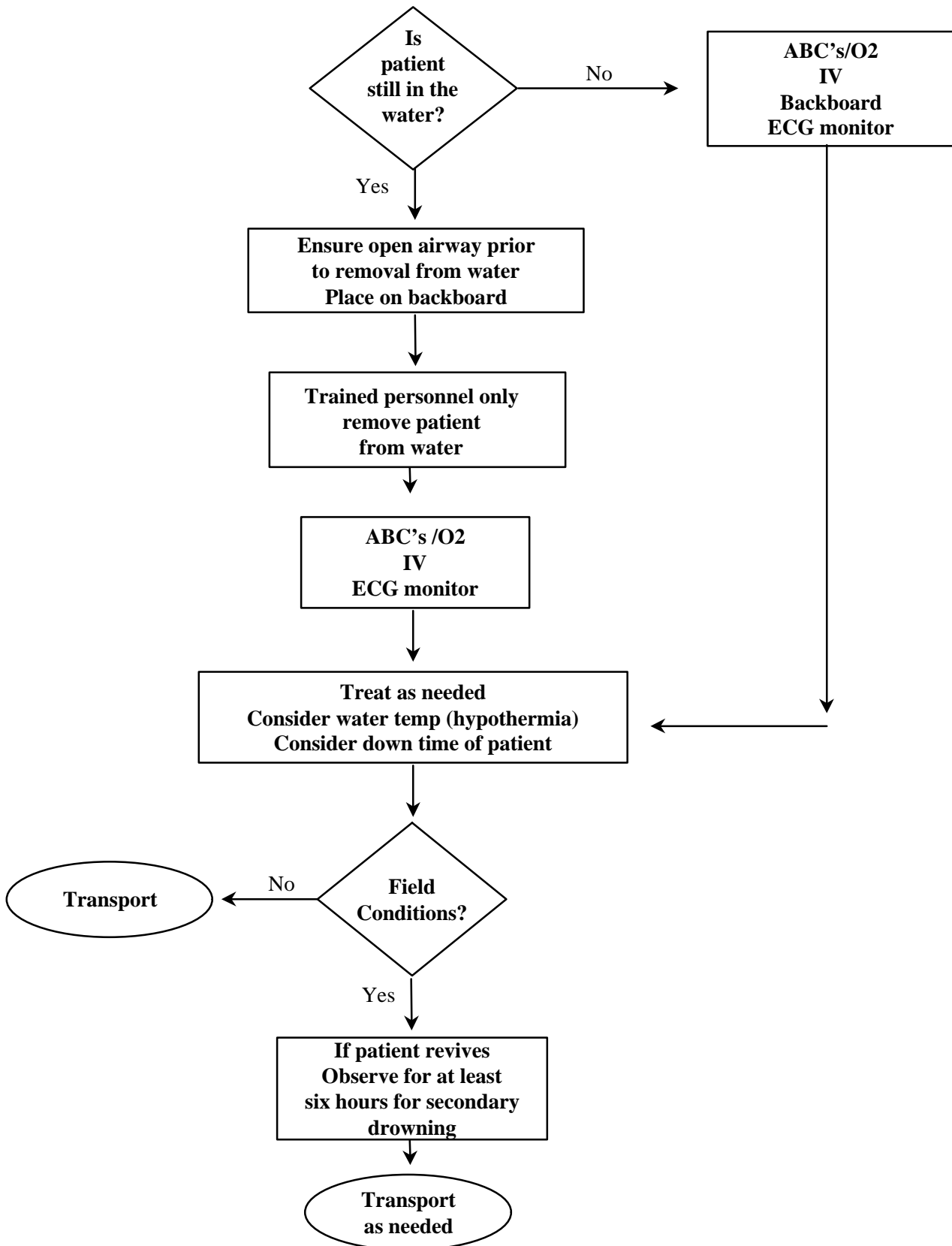
Heat Emergencies



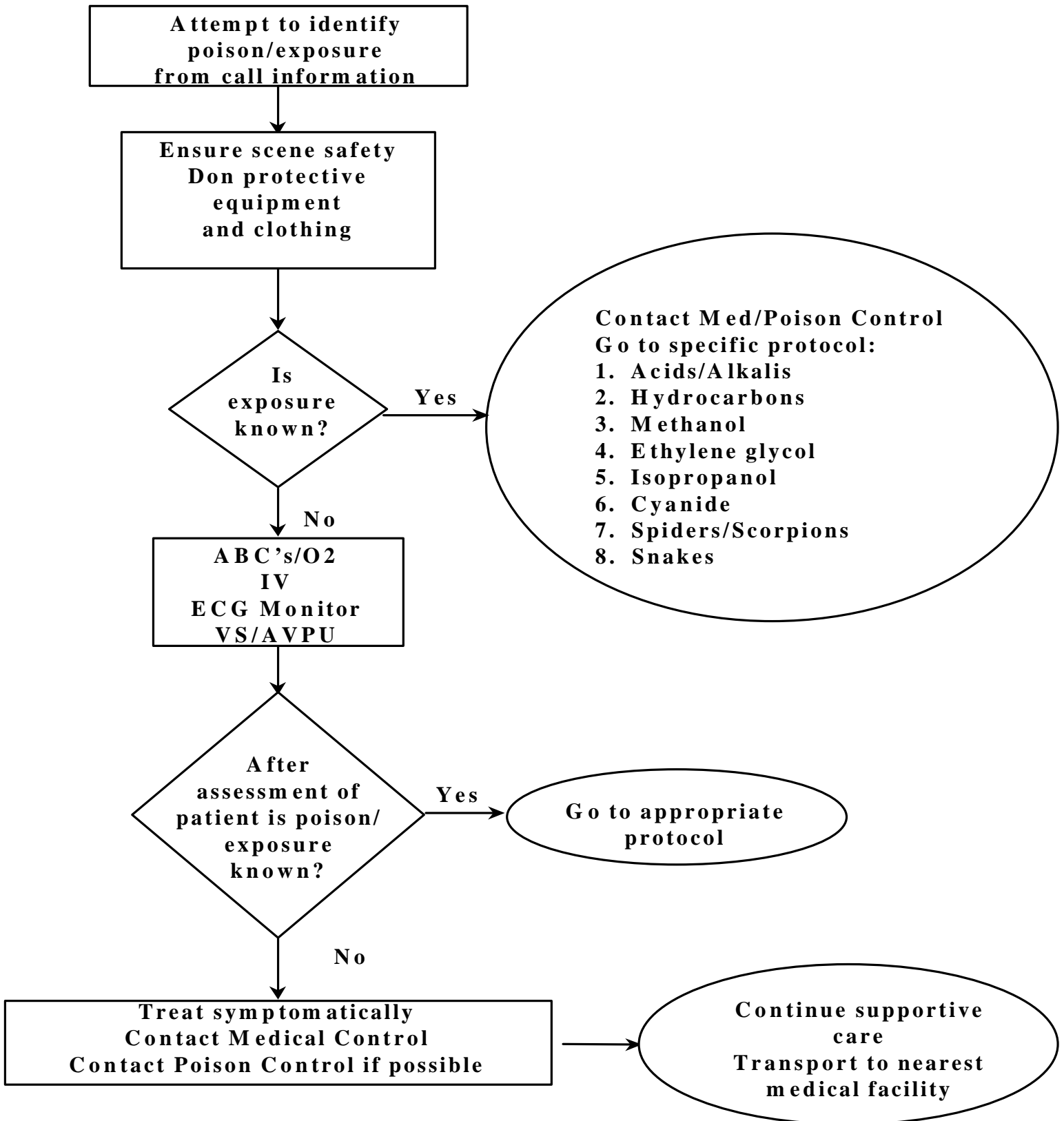
Hypothermia



Drowning

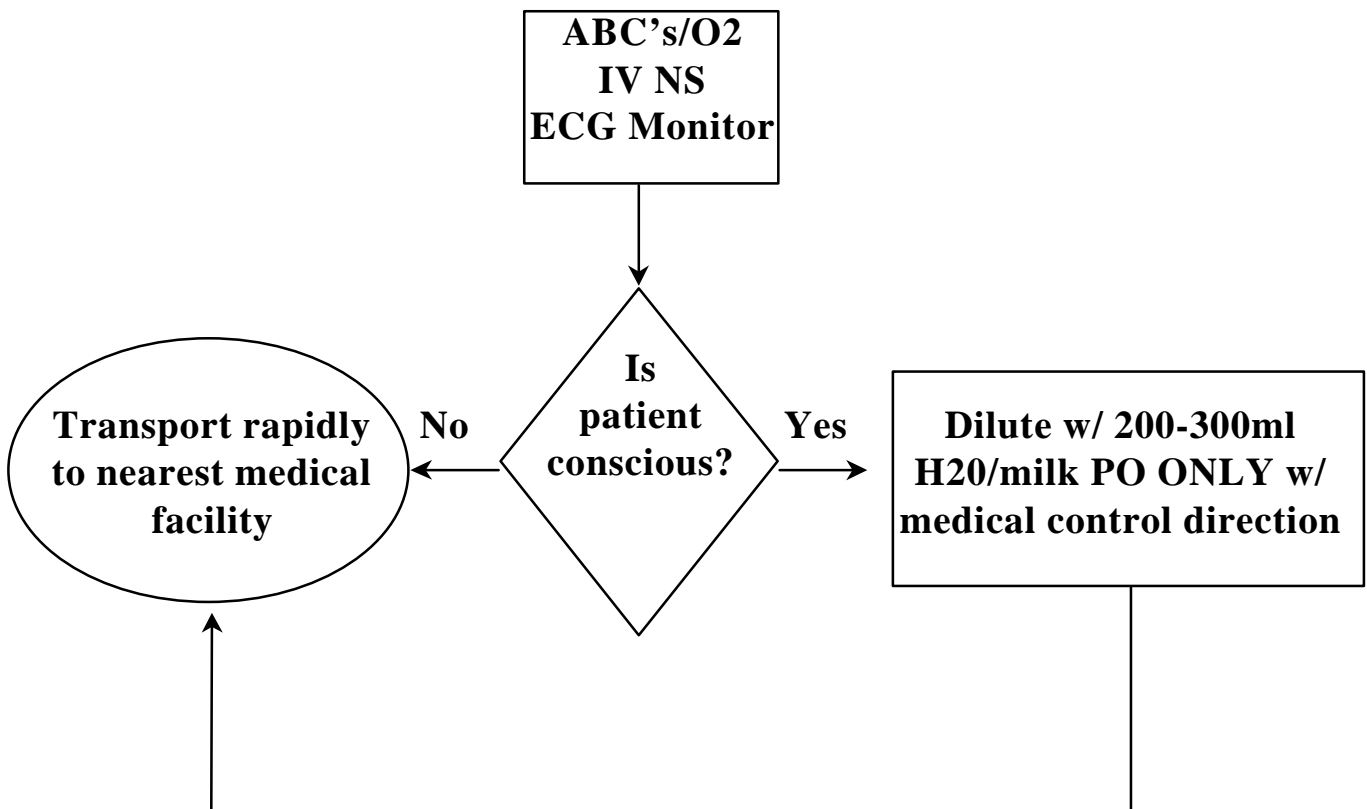


Poisoning and Envenomation



#1

<u>Acids</u>	<u>Alkalis</u>
Hydrochloride acids: -metal cleaners -pool cleaners -toilet bowl cleaners	Sodium Hydroxide: -washing powders -paint removers
Sulfuric acids: -battery acid -toilet bowl cleaners	Disk batteries
Phenol	Bleach
Acetic Acid	Ammonias: -jewelry cleaners -hair dyes/tints
Bleach	Toilet bowl cleaners



#2

Hydrocarbons
Cleaning/polishing Agents
Spot Removers
Paints
Cosmetics
Pesticides
Turpentine
Kerosene/Gasoline/Lighter Fluid

ABC's/O2
IV NS
ECG Monitor

**Perform gastric emptying of amounts
>1 ml/kg of petroleum products containing:
Camphor/Benzene/Organophosphates/
Arsenics/Lead/Mercury
ONLY w/ Medical Control direction
***Intubate prior to attempting to protect airway**

**Continue supportive care
Transport rapidly to nearest
medical facility**

#3

Methanol
Antifreeze
Windshield washer fluid
Paints/Paint removers
Varnishes/shellacs

ABC's/O2
IV NS
ECG Monitor

Perform gastric lavage
***If unconscious intubate
prior to protect airway

Administer 1-2g/kg
Activated Charcoal

Administer
1 mEq/kg
Sodium Bicarbonate
to correct metabolic
acidosis

If available administer
60 ml of 90% Ethanol
or
125 ml of 43% Ethanol

Is
ingestion
time < 4 hrs?

Yes

No

Continue supportive
care
Transport rapidly to
nearest medical
facility

#4

Ethylene Glycol
Windshield De-icers
Detergents
Paints
Radiator Antifreeze/coolants

ABC's/O2
IV NS
ECG Monitor

Is
ingestion
time
< 4hrs?

Perform gastric lavage
***If unconscious intubate
prior to protect airway

Administer
1 mEq/kg
Sodium Bicarbonate
to correct metabolic
acidosis

If available administer
60 ml of 90% Ethanol
or
125 ml of 43% Ethanol

Continue supportive
care
Transport rapidly to
nearest medical
facility

Yes

No

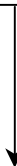
#5

Isopropanol
Rubbing Alcohol
Disinfectants
Degreasers
Industrial cleaning agents

ABC's/O2
IV NS
ECG Monitor



Perform gastric lavage
*****If unconscious intubate**
prior to protect airway



Continue supportive
care
Transport rapidly to
nearest medical
facility

#6

Cyanide

Remove patient
from source

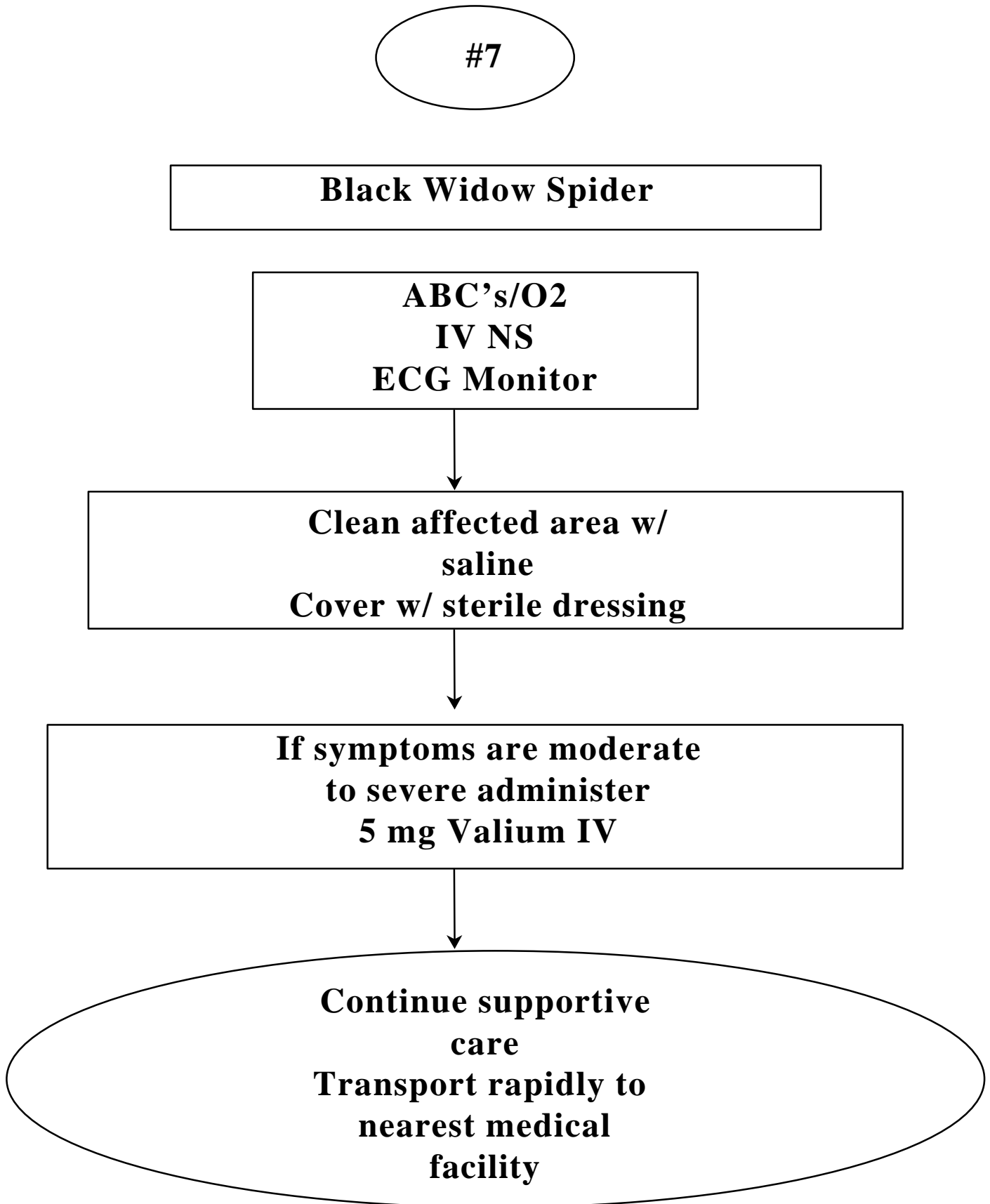
ABC's/O2
IV NS
ECG Monitor

Administer Amyl Nitrate
for 15 of every 30
seconds

Administer 300mg
Sodium Nitrate slow IVP over no less than 5 min

Administer 12.5 g
Sodium Thiosulfate IV

Continue supportive
care
Transport rapidly to
nearest medical
facility



#7

Brown Recluse Spider

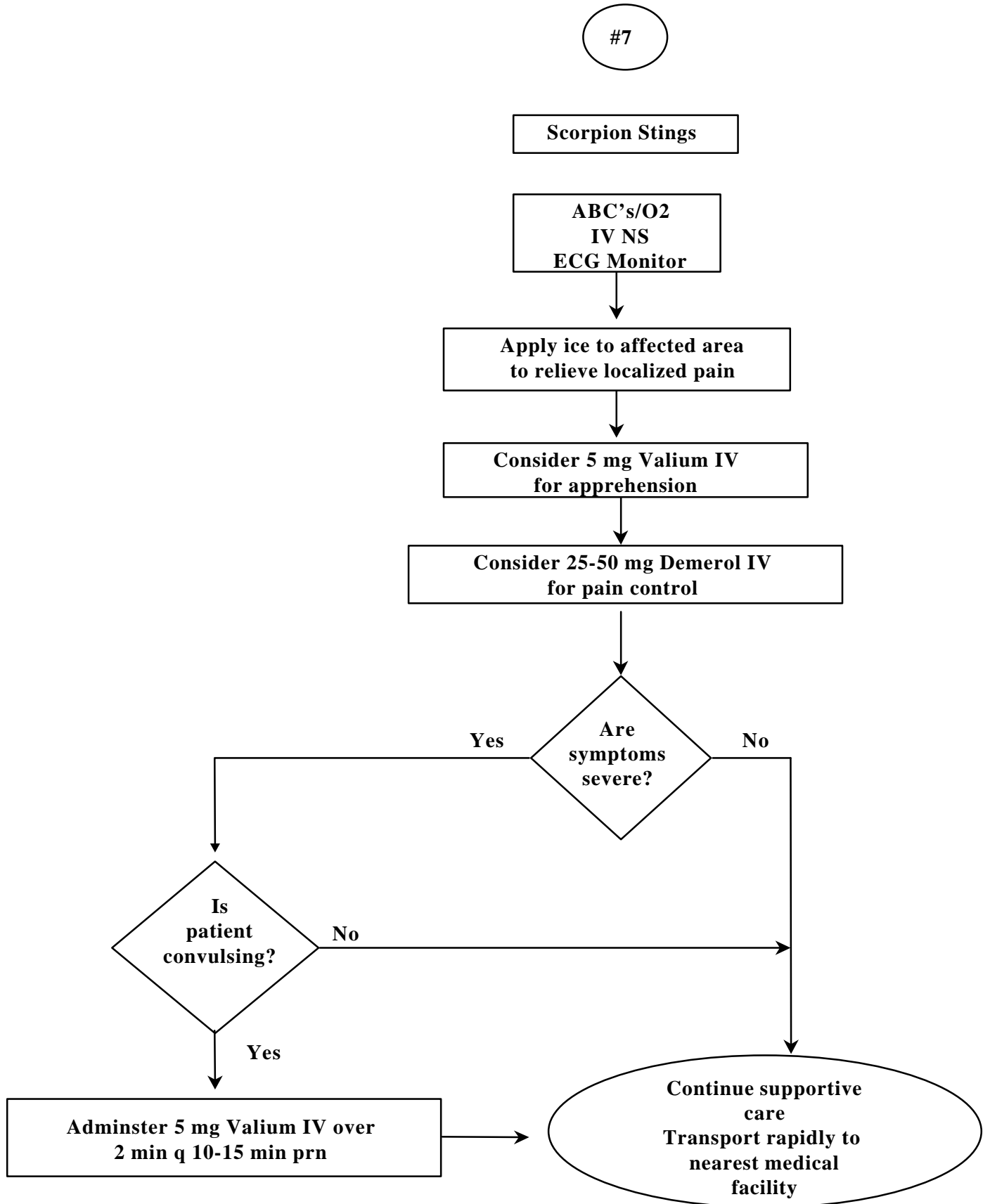
**ABC's/O2
IV NS
ECG Monitor**



**Apply cold compresses/
sterile dressing to
affected area**



**Continue supportive
care
Transport rapidly to
nearest medical
facility**



#8

Snake Envenomation

ABC's/O2
IV NS
ECG Monitor

Calm/reassure patient
Keep patient still

Examine snake if it
can
be done safely to
determine type

Remove all devices which may
become tourniquets, ie; Rings/
watches, etc.

Clean wound w/ saline

Apply Sawyer Extractor
Pump if available
*Most effective if applied
w/in 3 minutes
Repeat suction prn until evac

Determine type of snake and/or
evaluate signs/symptoms

Elapidae/Sea Snake
Unknown snake w/ no
significant local pain

Crotalidae/Viper
Unknown snake w/
significant local pain

*Apply ace wrap
compression bandage

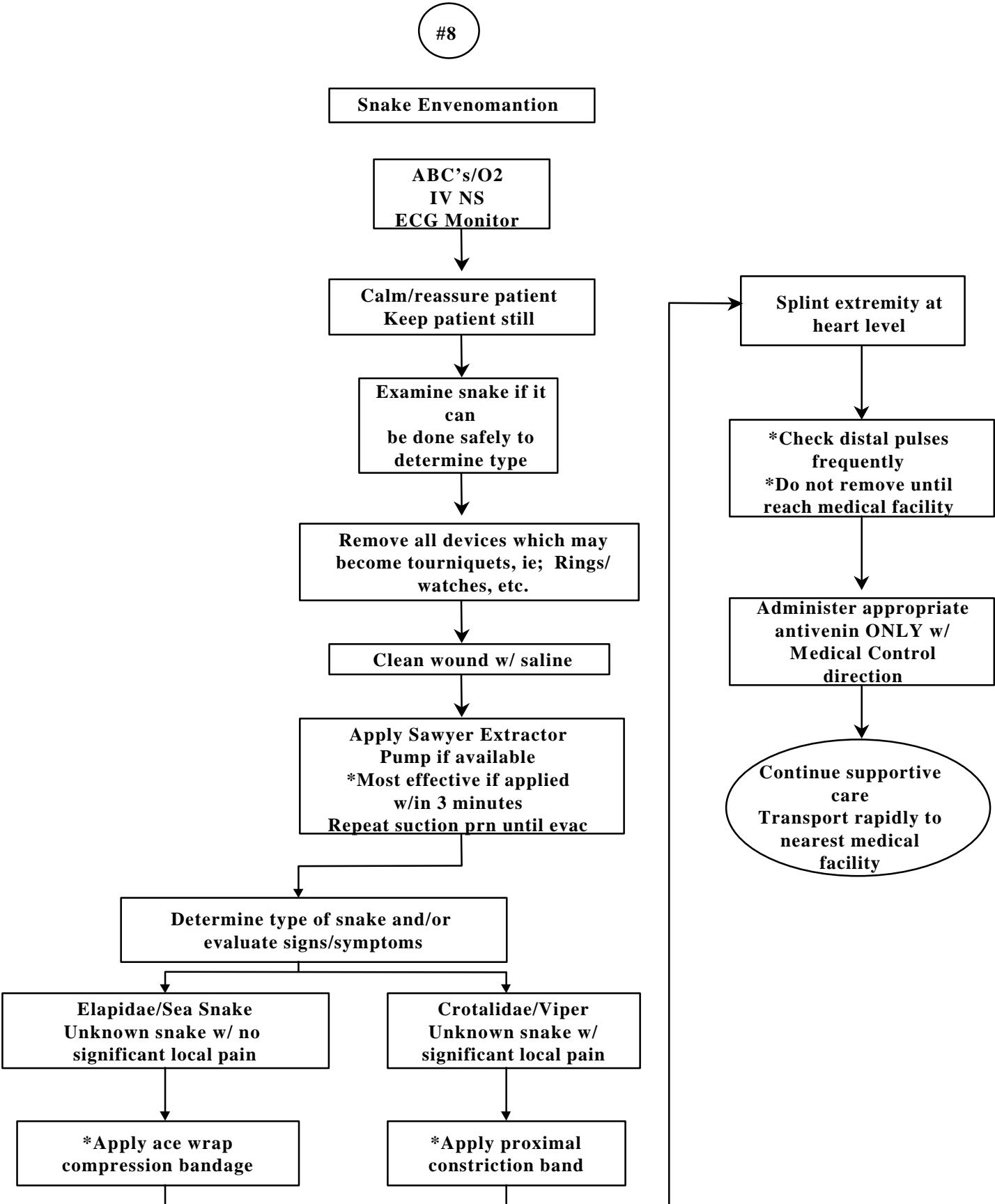
*Apply proximal
constriction band

Splint extremity at
heart level

*Check distal pulses
frequently
*Do not remove until
reach medical facility

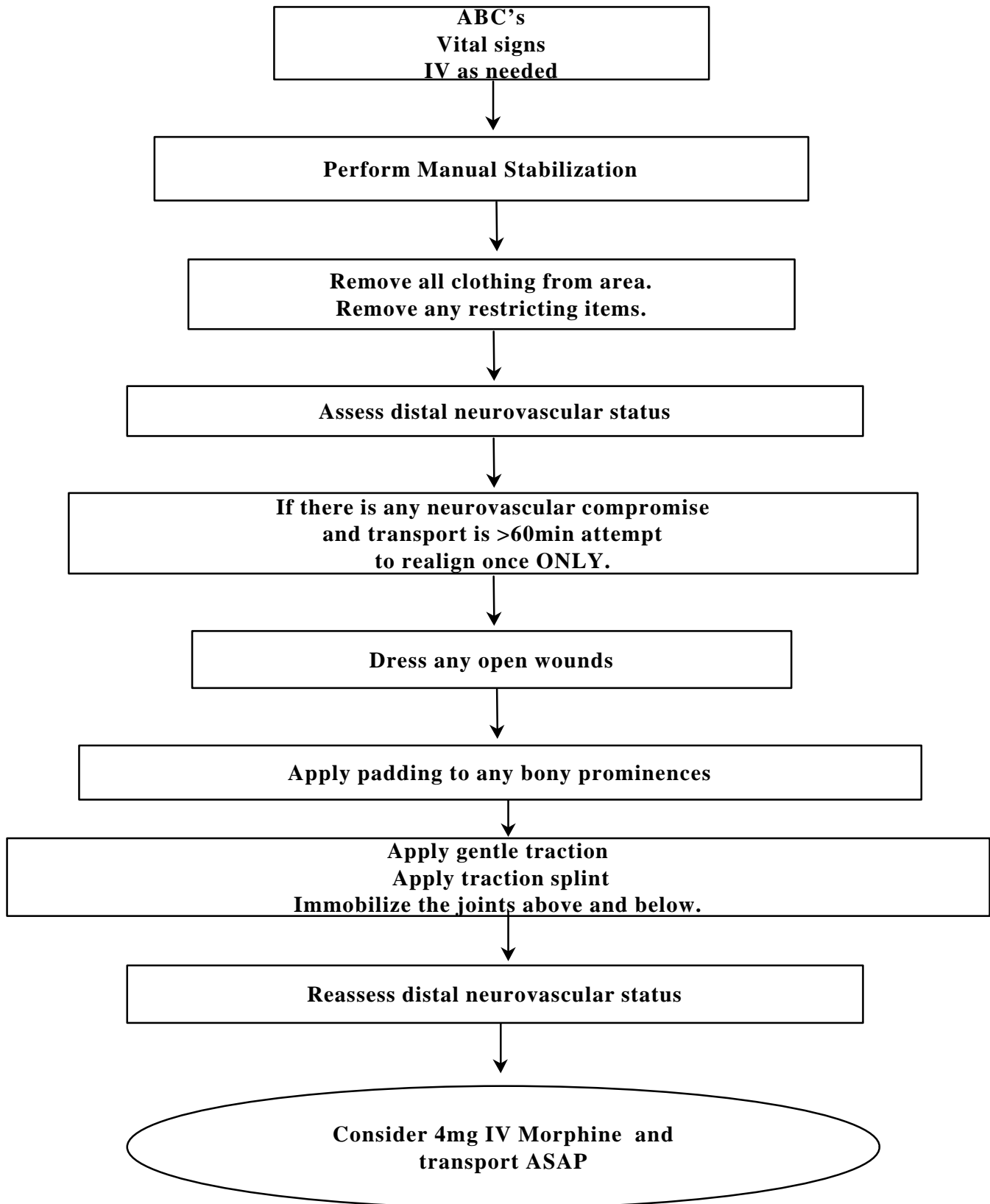
Administer appropriate
antivenin ONLY w/
Medical Control
direction

Continue supportive
care
Transport rapidly to
nearest medical
facility

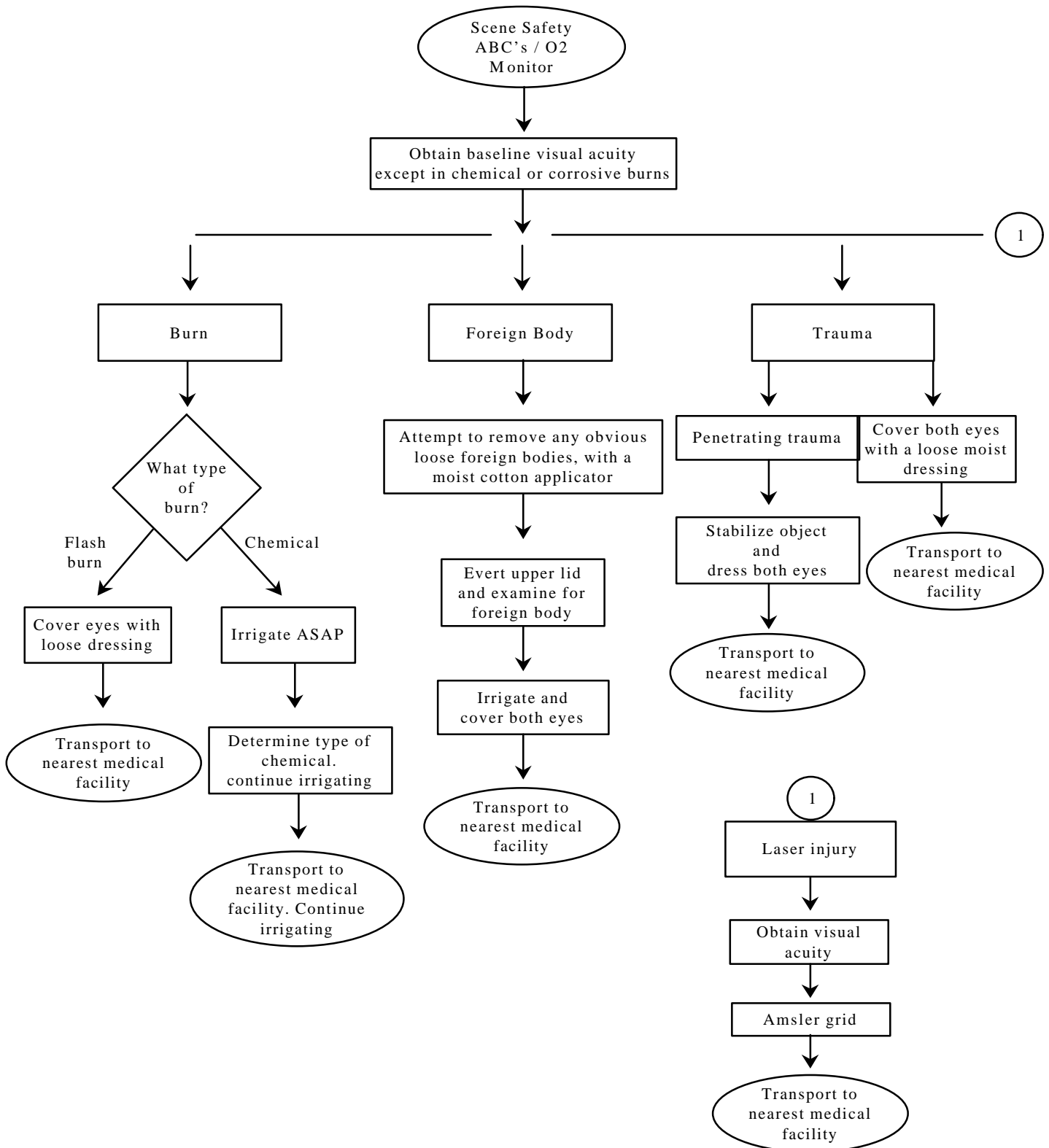


Trauma Care/ Procedures

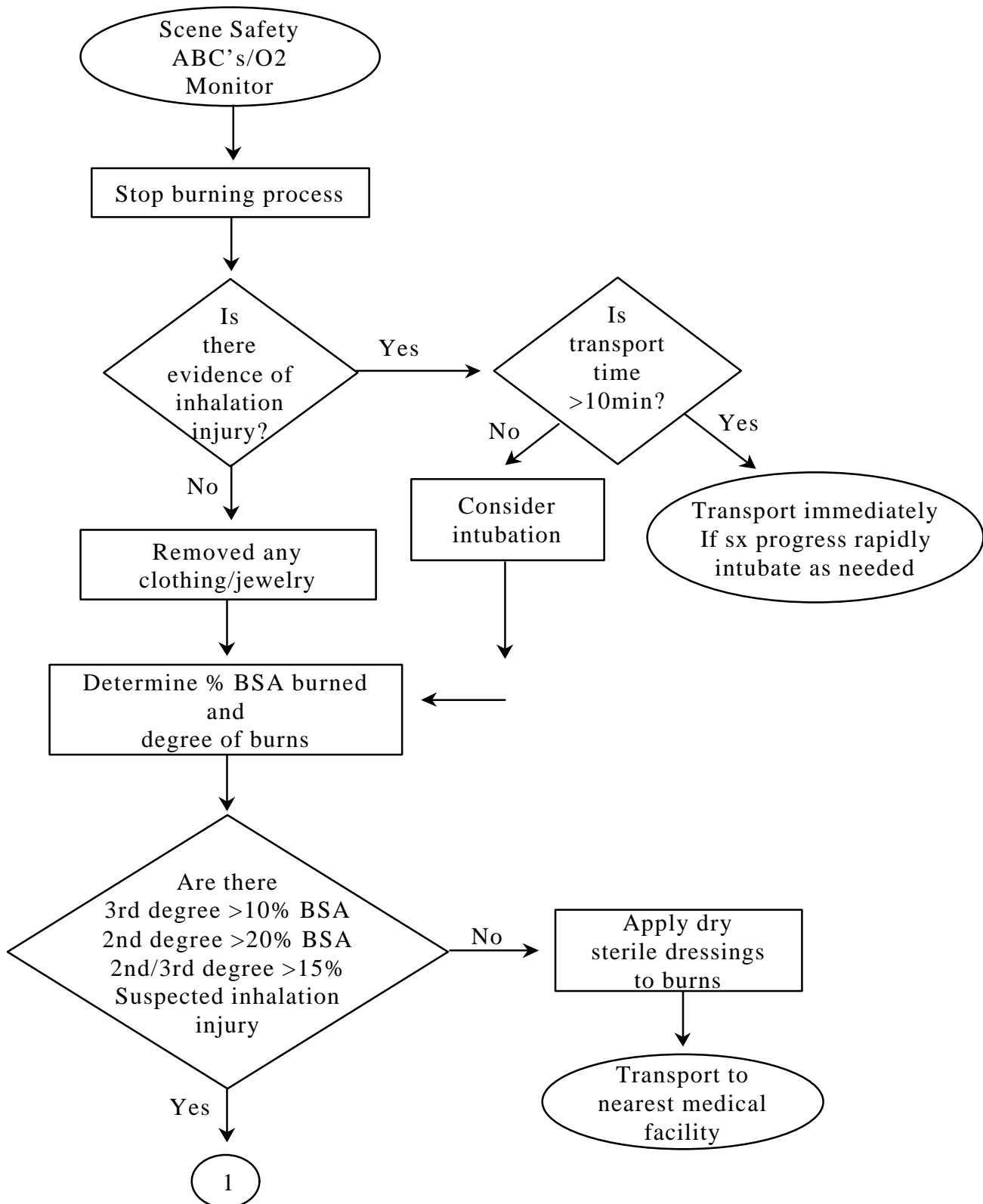
Extremity Trauma

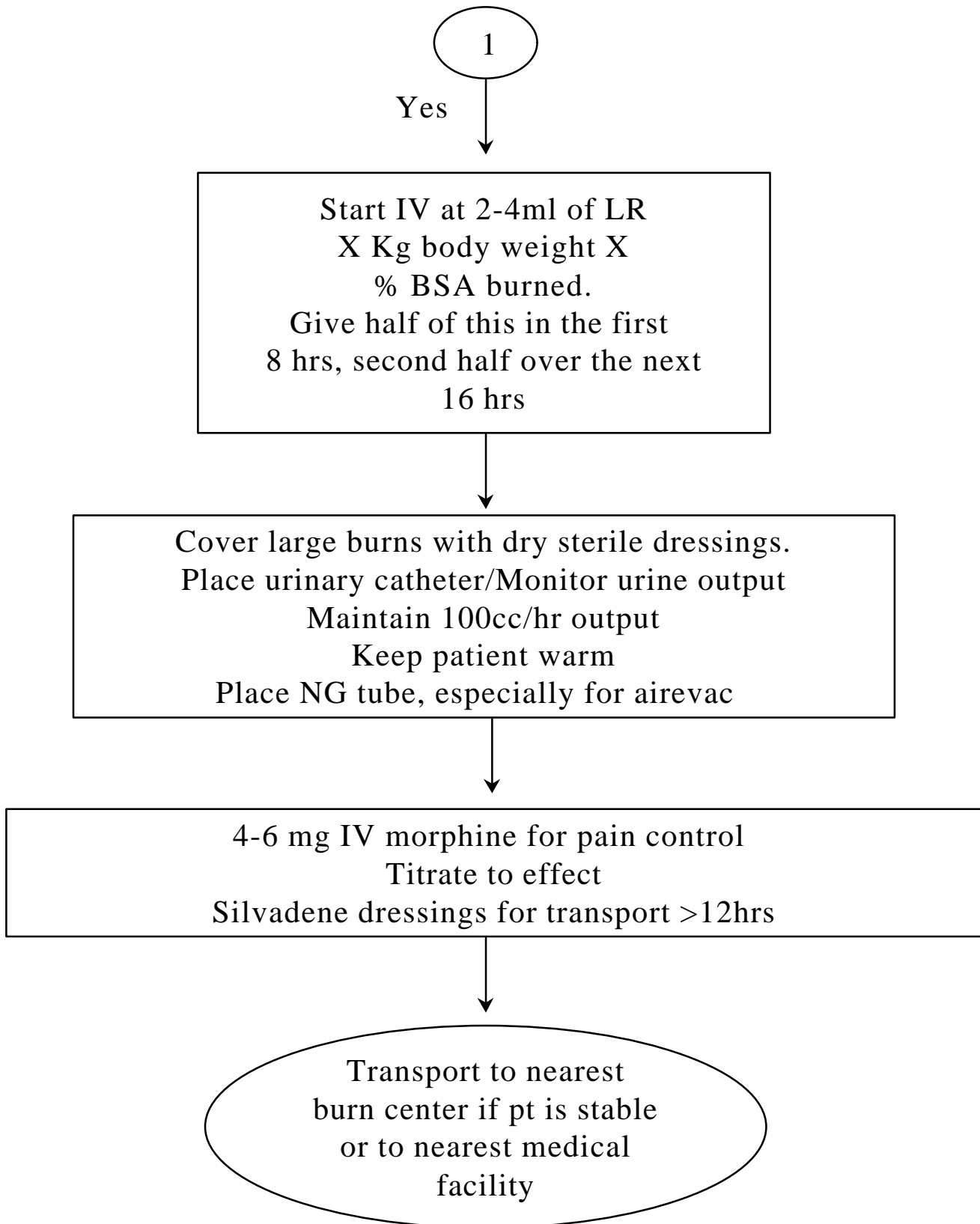


Eye Injuries

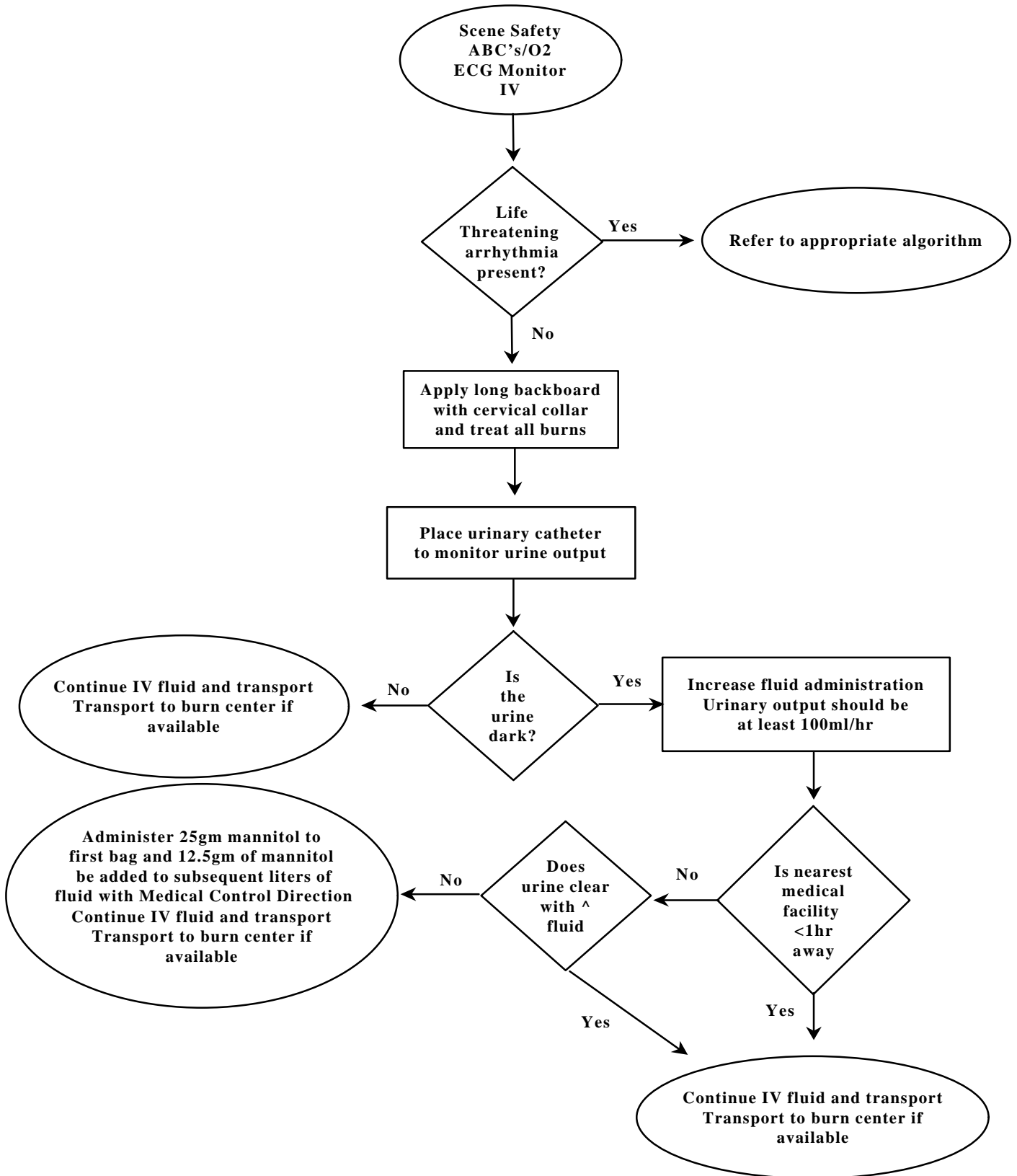


Thermal Burns

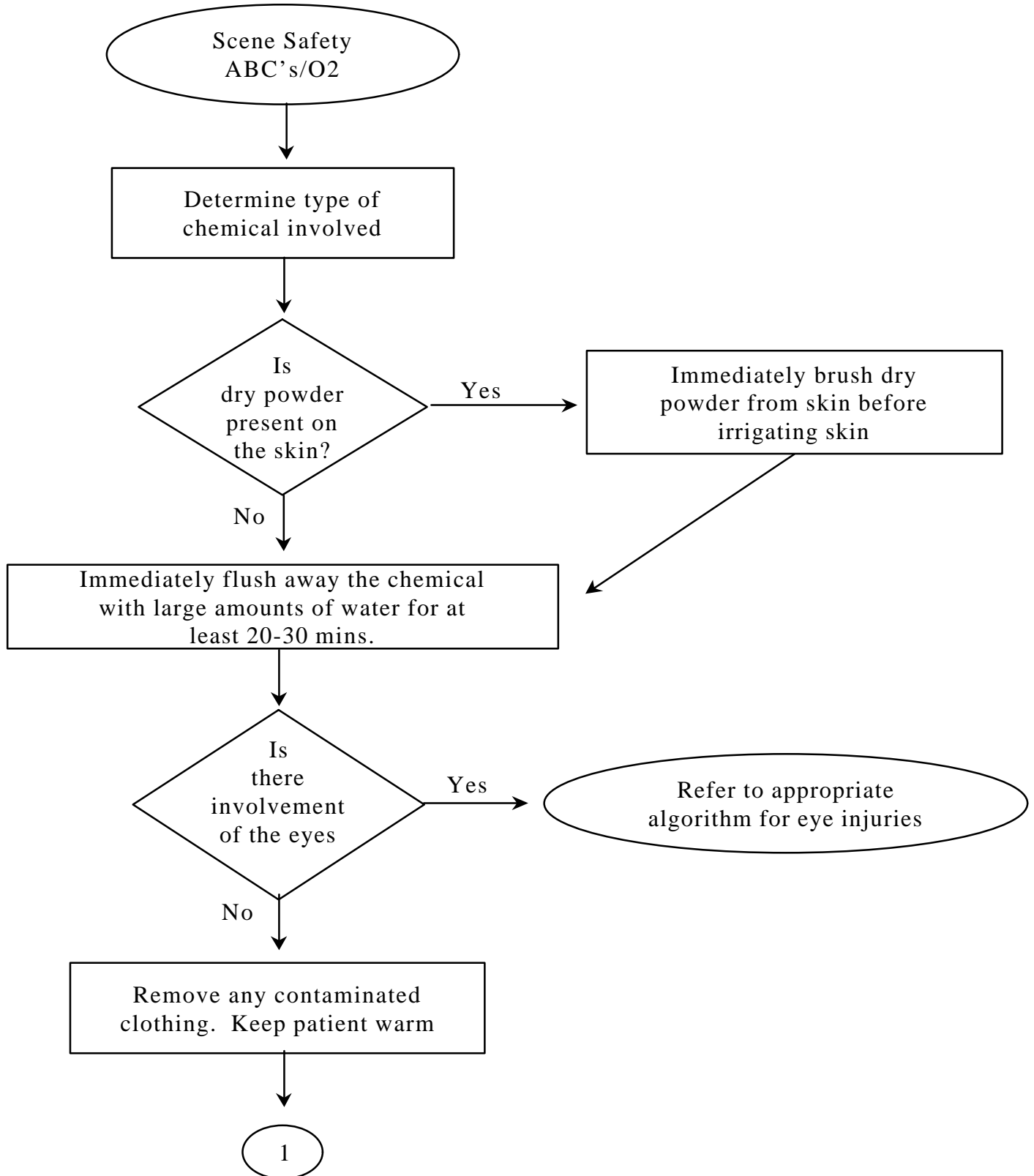


Thermal Burns

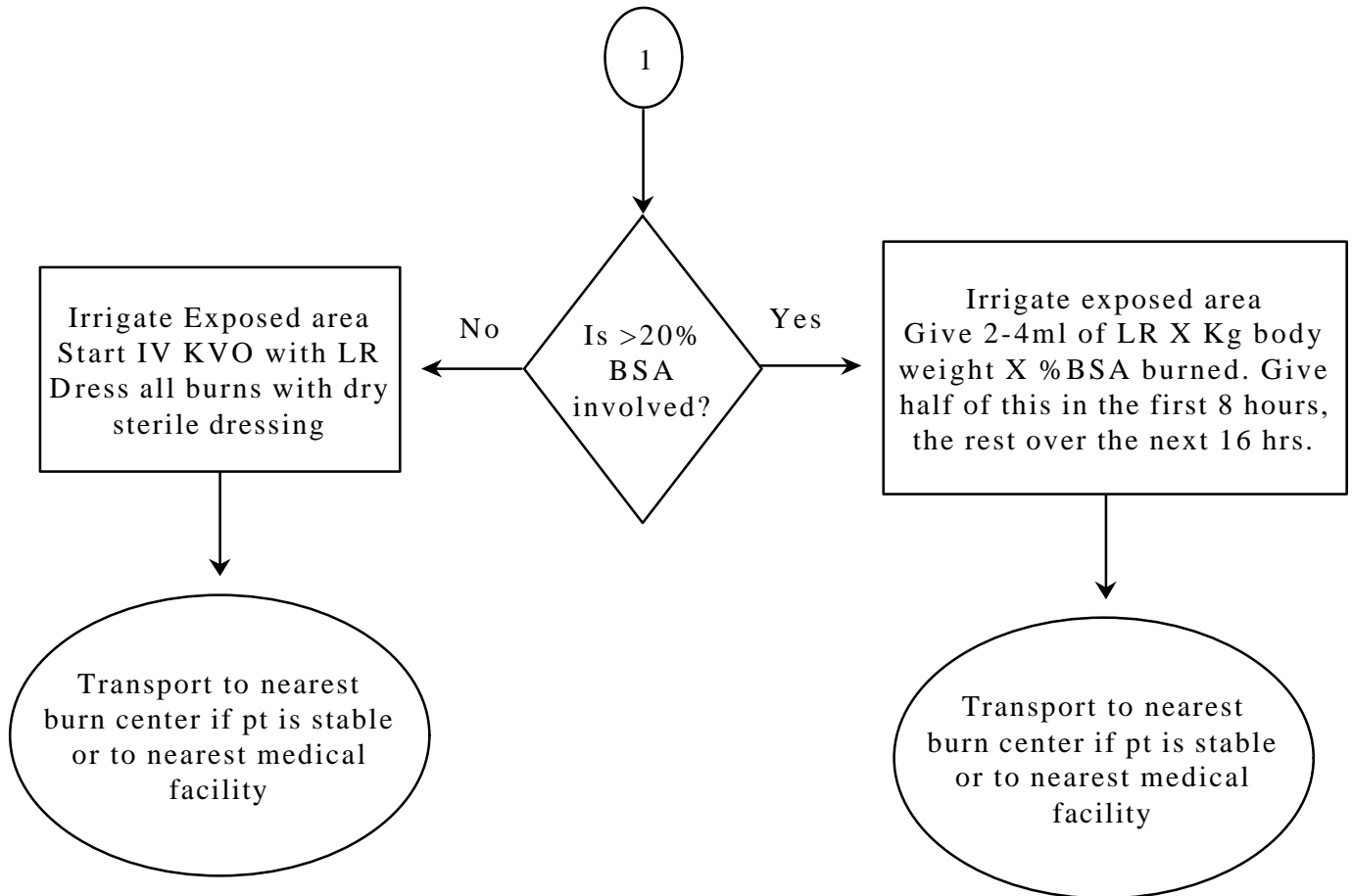
Electrical Burns



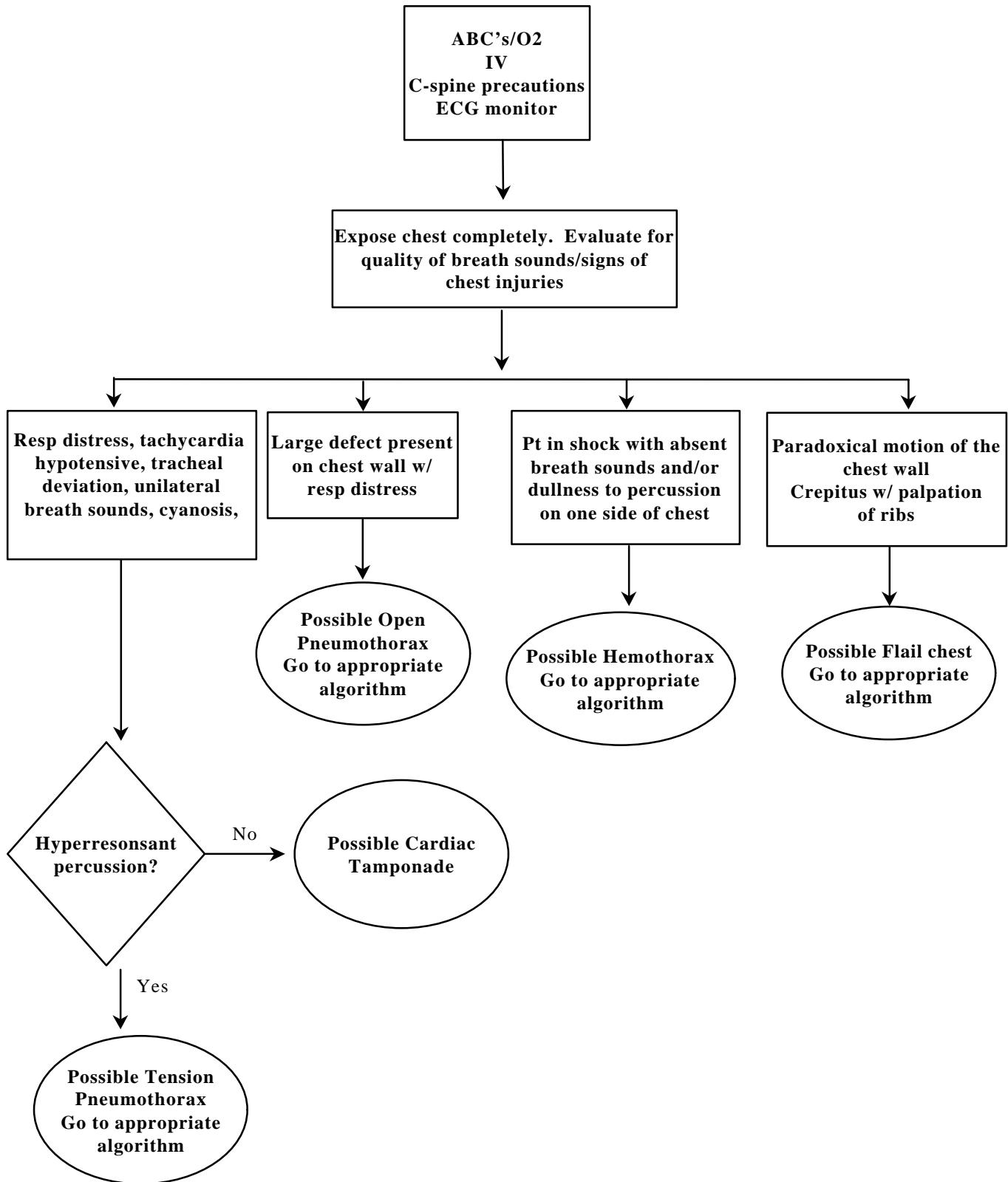
Chemical Burns



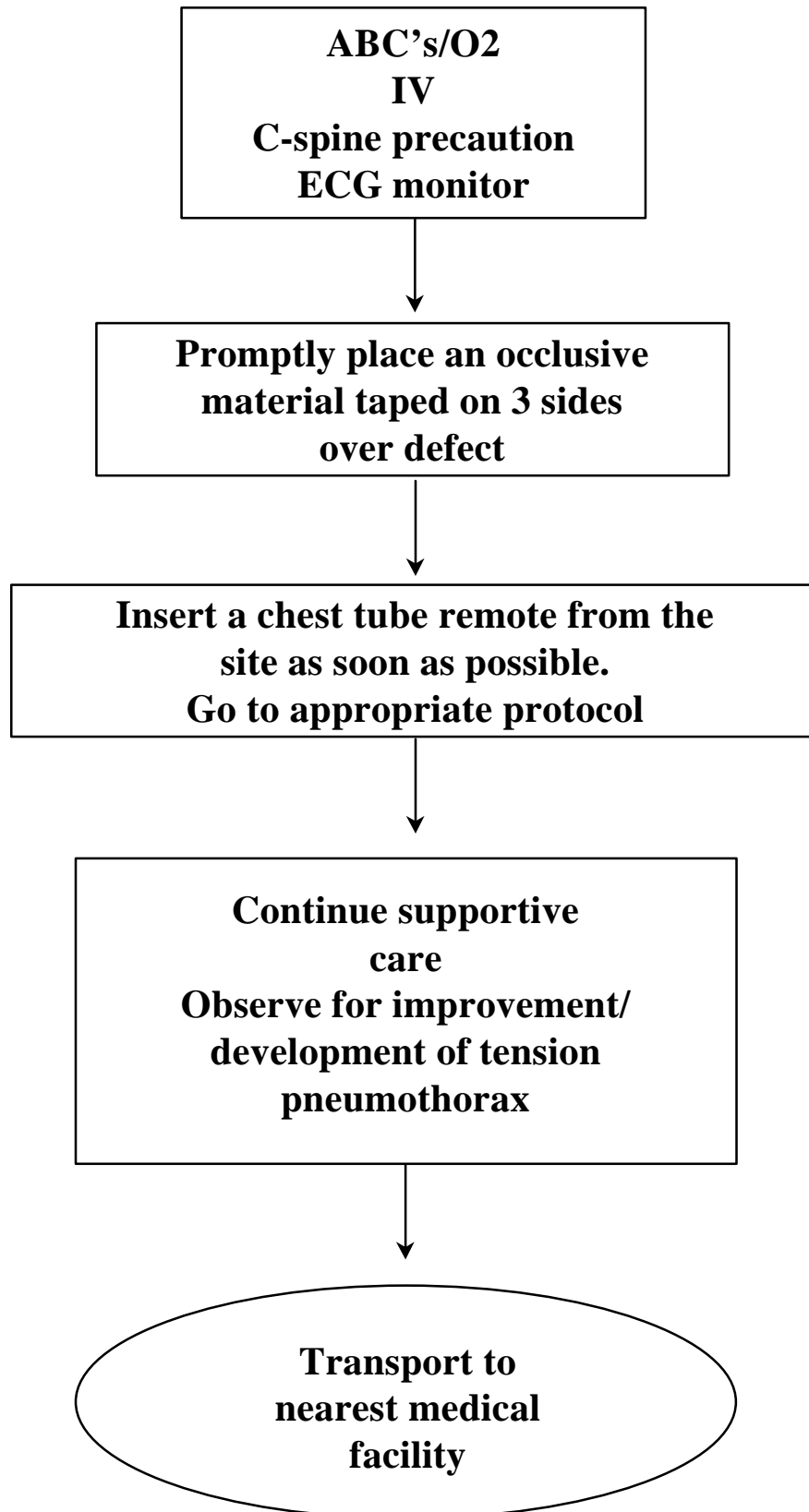
Chemical Burns



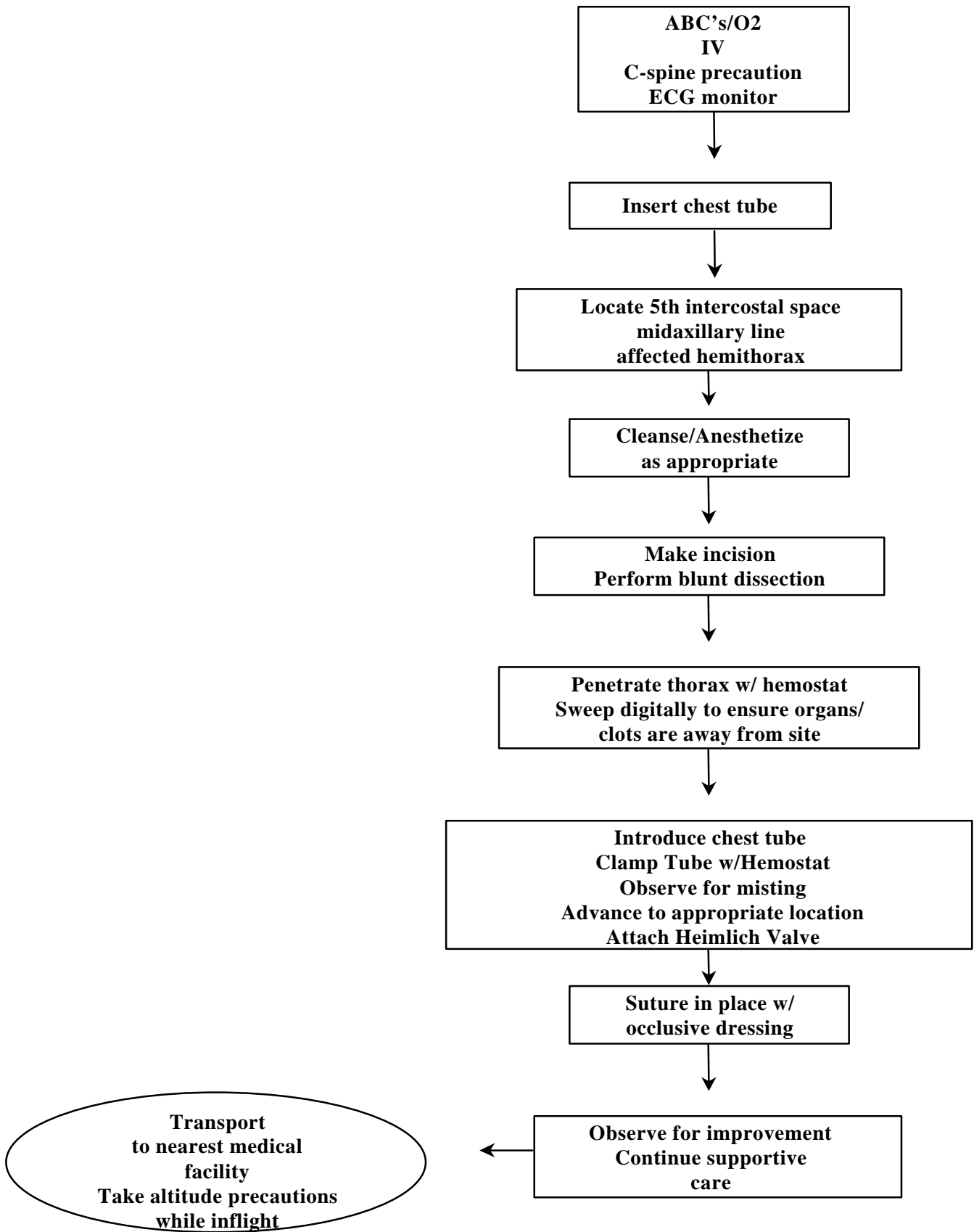
Thoracic Trauma



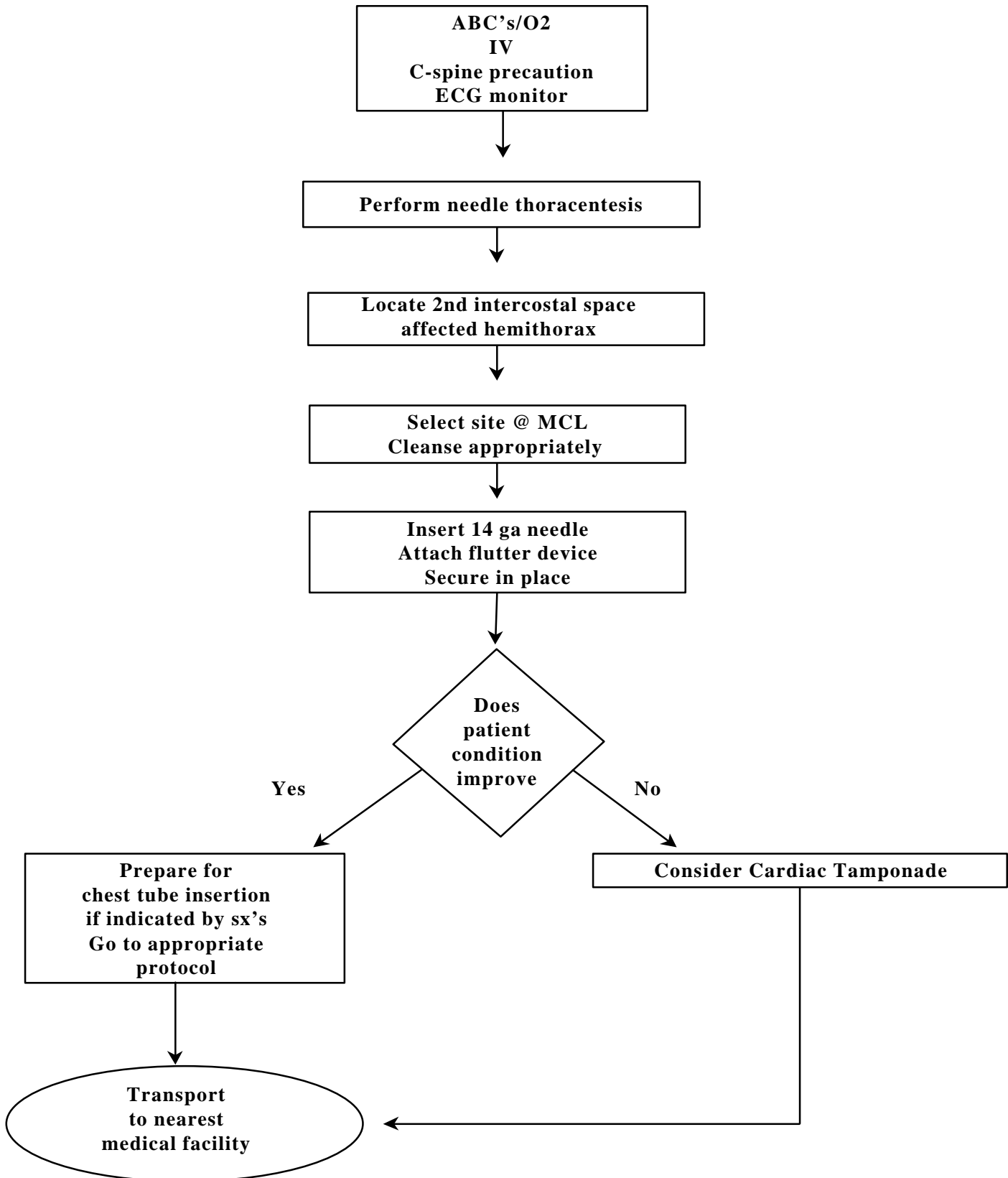
Open Pnuemothorax



Massive Hemo/Pneumothorax

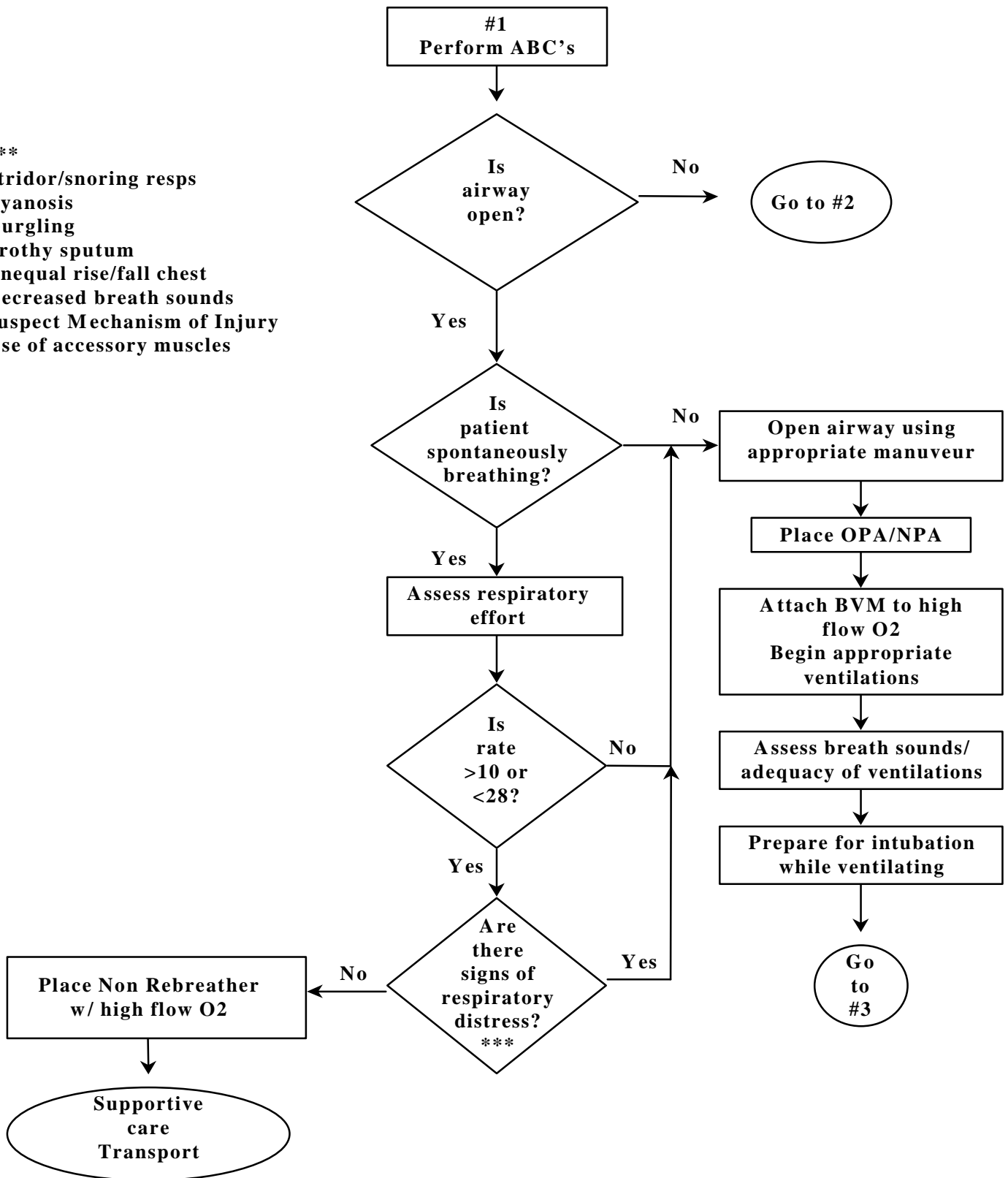


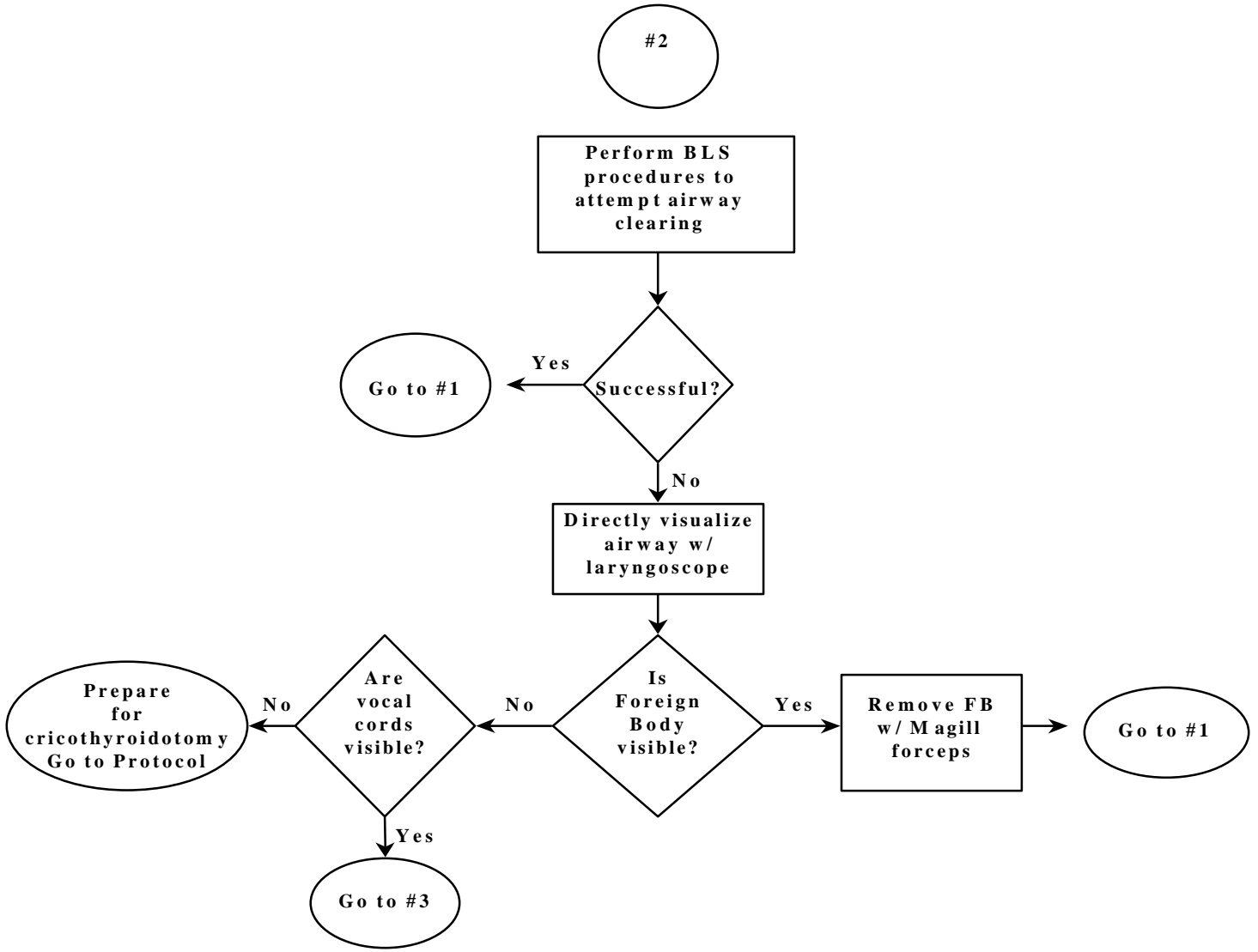
Needle Thoracentesis

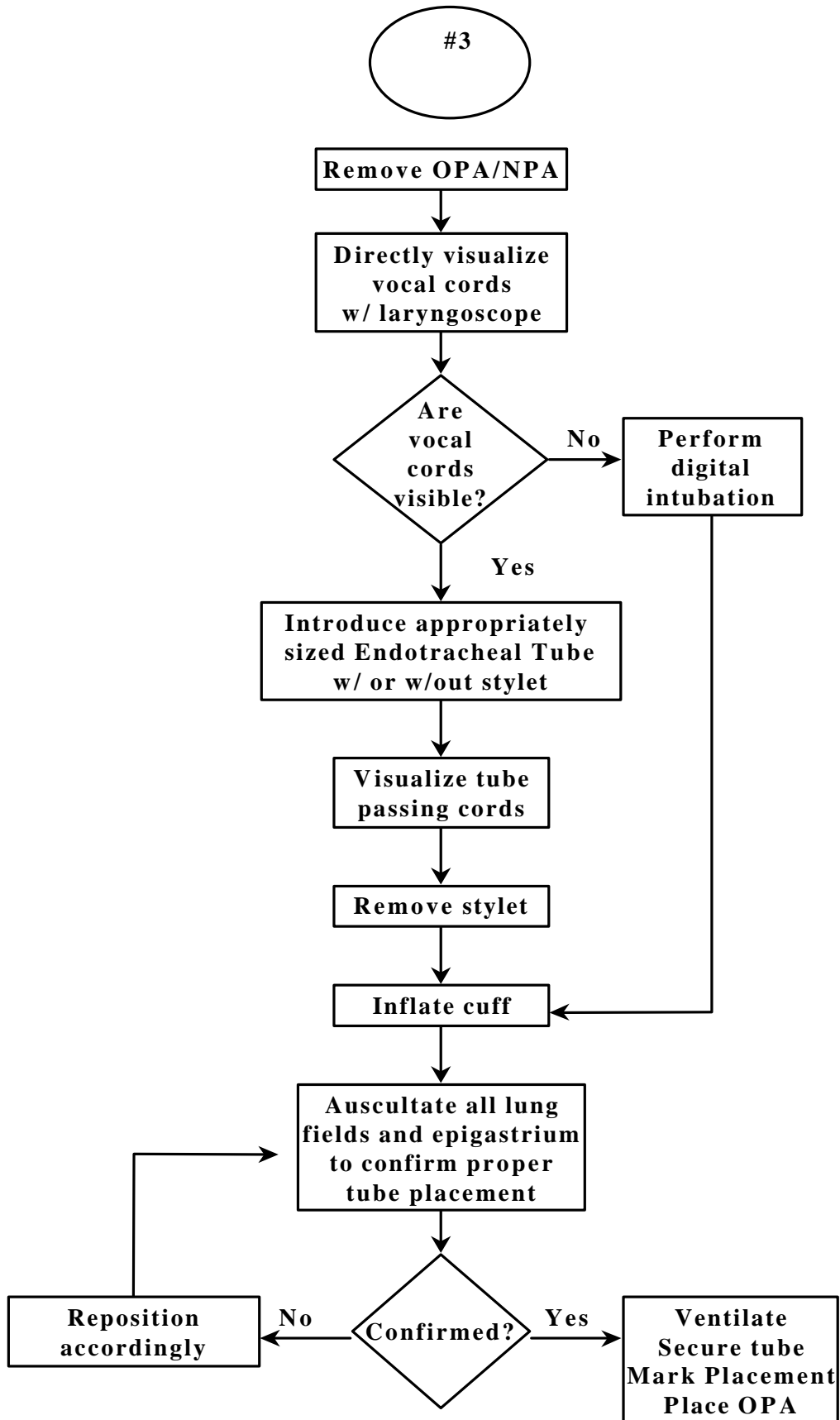


Advanced Airway Procedures

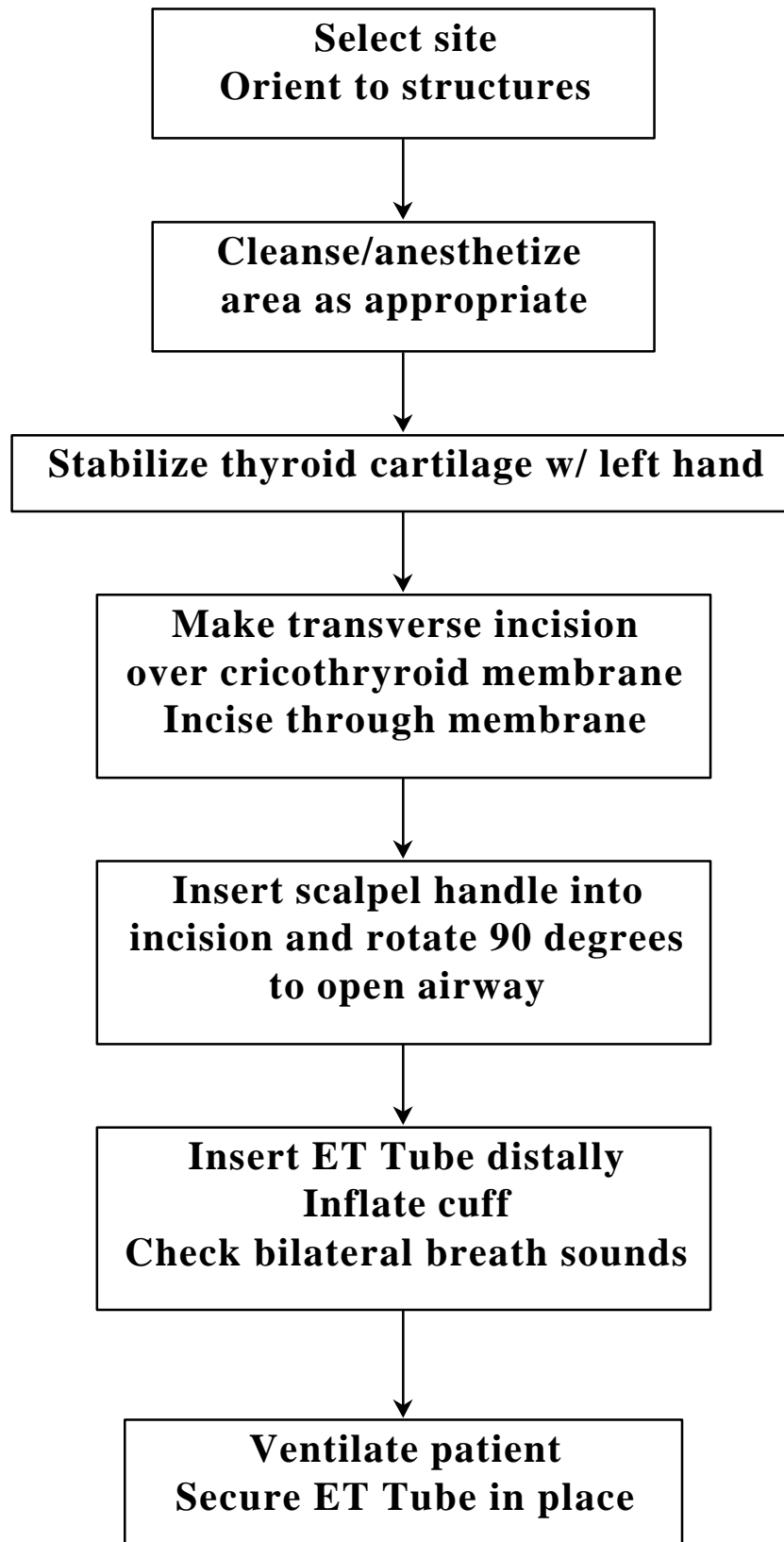
- Stridor/snoring resps
- Cyanosis
- Gurgling
- Frothy sputum
- Unequal rise/fall chest
- Decreased breath sounds
- Suspect Mechanism of Injury
- Use of accessory muscles



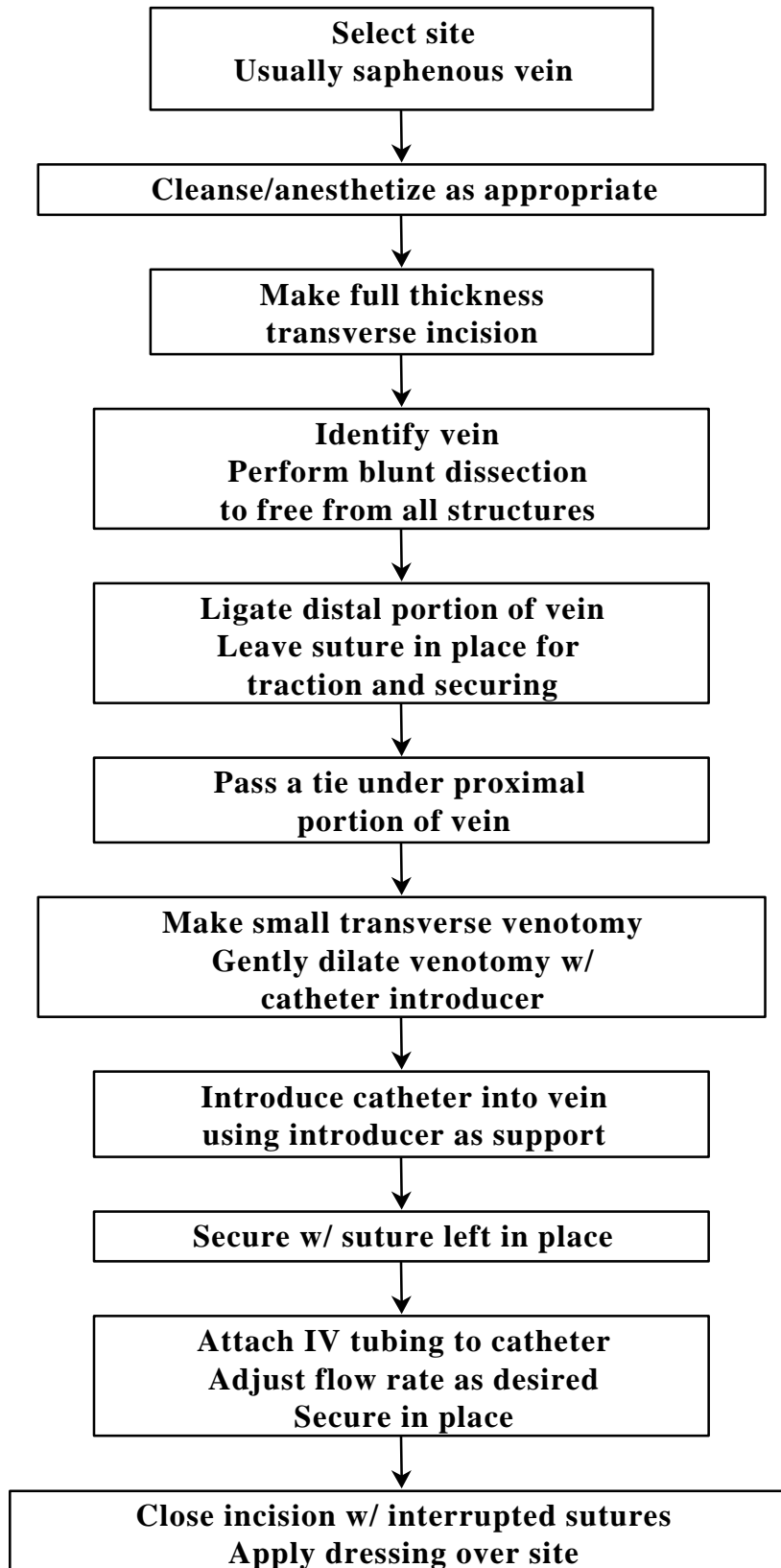




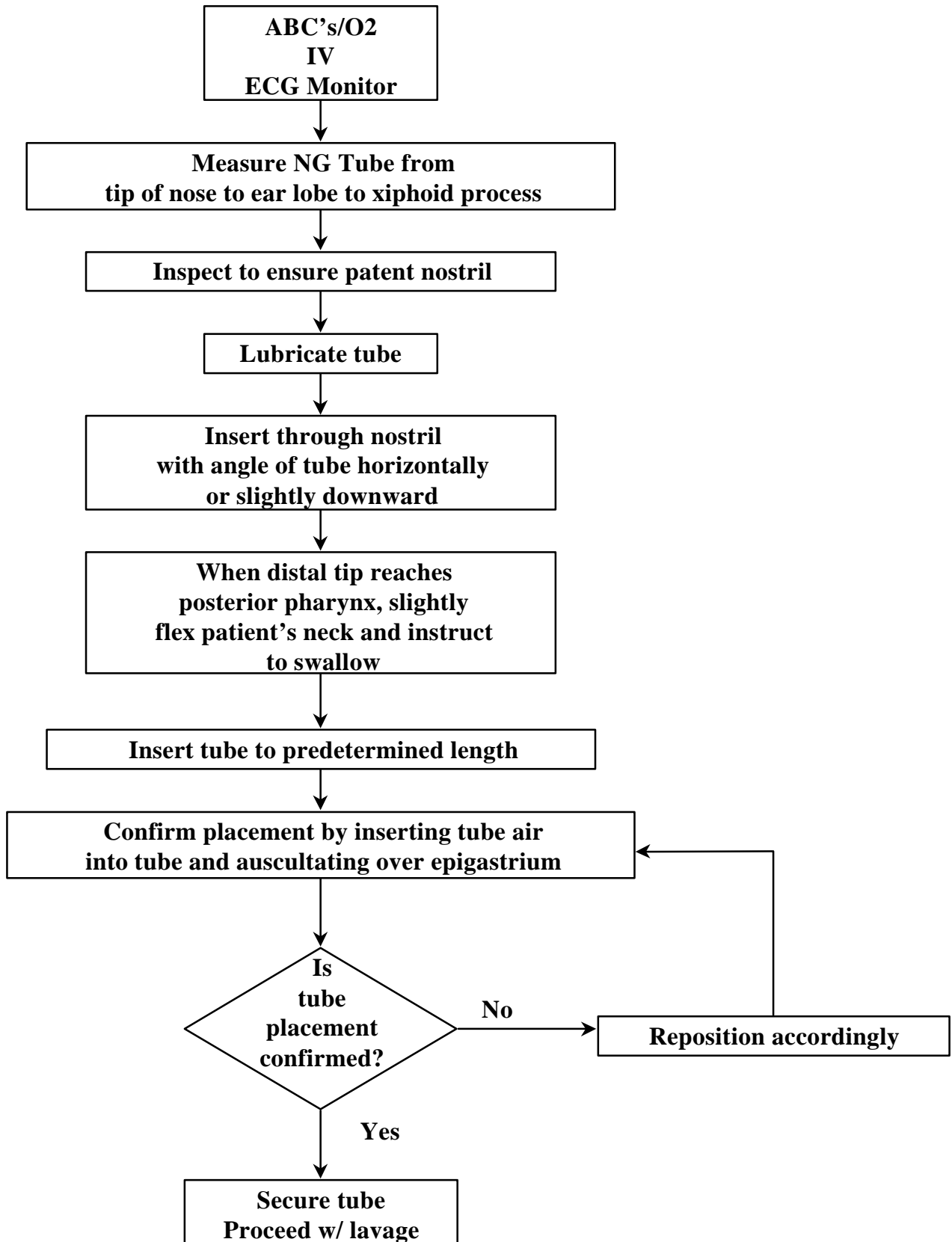
Cricothyroidotomy



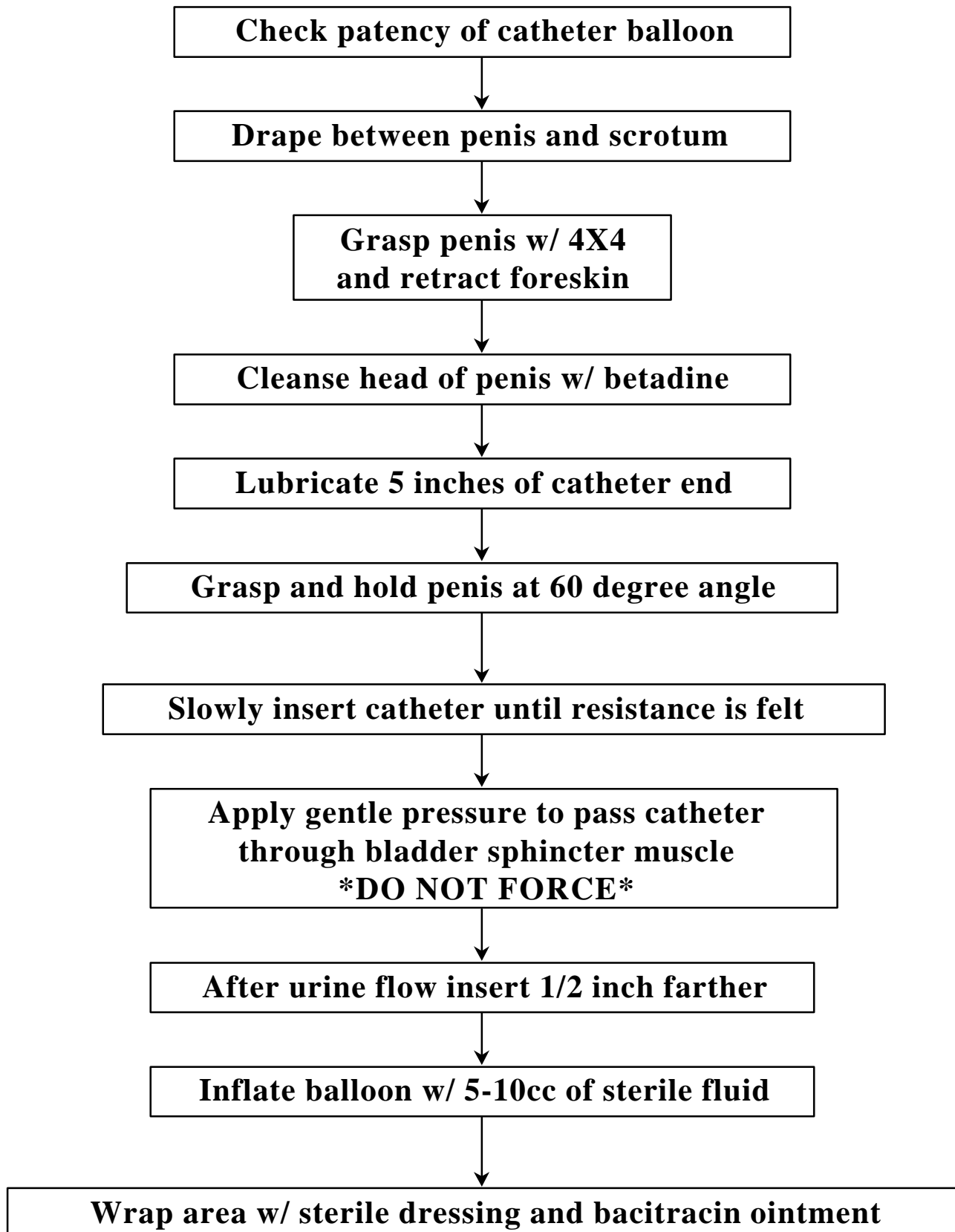
Venous Cutdown



Nasogastric Tube Insertion



Urethral Catheterization



RODGER D. VANDERBEEK, Col, USAF, MC, SFS
Command Surgeon