N.K.P. Salve Institute of Medical Sciences & Research Centre and Lata Mangeshkar Hospital

Department of General Medicine

Medicine Skills Workshop

Workshop for MBBS 2024 B Batch Students

Date: 12.12.2025 (Time: 9:30 am – 12:00 noon)

Dr. Yoshita Talmale, Assistant Professor

	Intra Muscular Injection Dr. Saurabh Birajdar	Oxygen Therapy Dr. Sava Nanda Gopal	
09:30am -10.15am	B1	B2	
10.15am – 11.15am	B2	В3	
11.15am - 12.00 noon	В3	B1	

Dr. Yoshita Talmale

Assistant Professor Dept. of Gen. Medicine Dr. Tanuja Manohar

Professor & HOD

Dept. of Gen. Medicine



N.K.P. Salve Institute of Medical Sciences & Research Centre and Lata Mangeshkar Hospital

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Department of General Medicine

Medicine Skills Workshop for MBBS Students (III/II)

Topics

Intra Muscular Injection

Subcutaneous Injection

Intradermal Injection

Intravenous Injection

Urinary Bladder Catheterization

Aerosol Therapy & Nebulization

Nasogastric Tube Insertion

Basic Life Support

Advanced Cardiac Life Support

Lumbar Puncture

Pleural Tapping

Ascitic Tapping

Urine Analysis – Interpretation

Peripheral Smear-Inter pretation

Setting IV infusion calculating drip rate

Date

(Time 9.00 am - 01.00 pm)

Venue:- Clinical Skills Lab – NKPSIMS & RC and LMH, Nagpur

Course coordinator:- Dr.

MBBS Students

Phase II	Phase (I)		Phase III (II)	
Skills Lab	Skills Lab	Ward	Skill Lab	Ward
1.IM Injection		1. Setting IV infusion	BLS + ACLS	LP (O)
2. ID	1.Urinary catheterization	Calculating IV drip rate		Pleural tap (O)
3. SC				Ascetic tap (O)
4. IV	2. O2 therapy (integrated with Respiratory	2. Aerosol & Nebulisation (Integrated with Respiratory Medicine)		PS interpretation (Integrated with pathology)
	3. RT			Urine analysis (Integrated with Pathology Biochemistry)
	4. BLS 1 day entire batch (4 per year) 4 days per batch (16 days per year)			

CODE BLUE TRAINING



Adapted From 2020 AHA-ACLS GUIDELINES



DEPARTMENT OF GENERAL MEDICINE

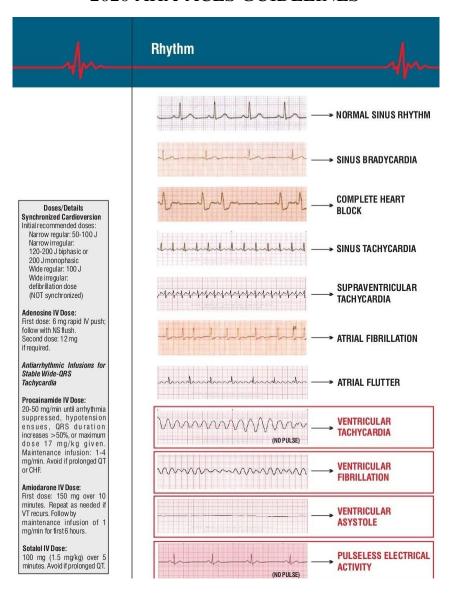
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DEPARTMENT OF GENERAL MEDICINE

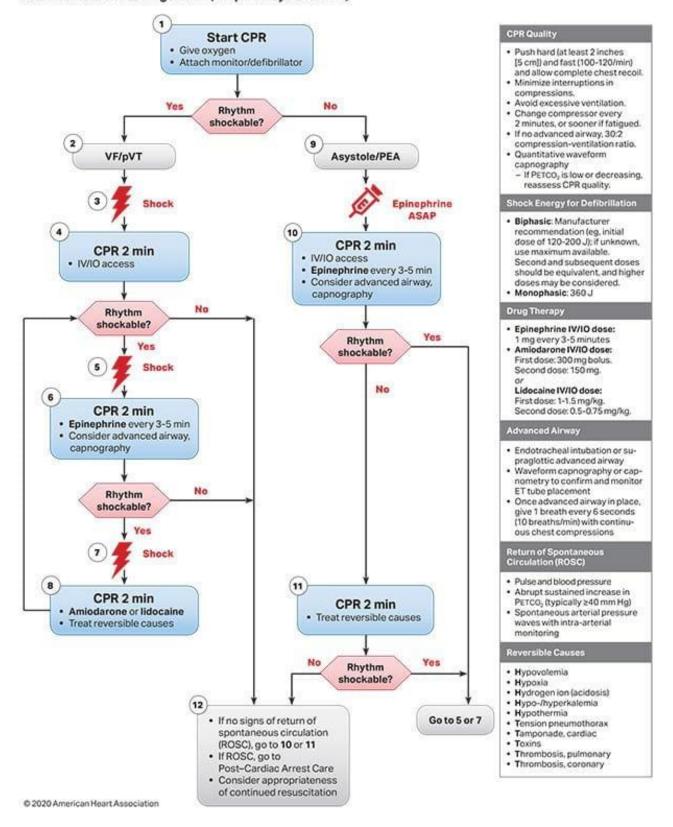
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Adapted From

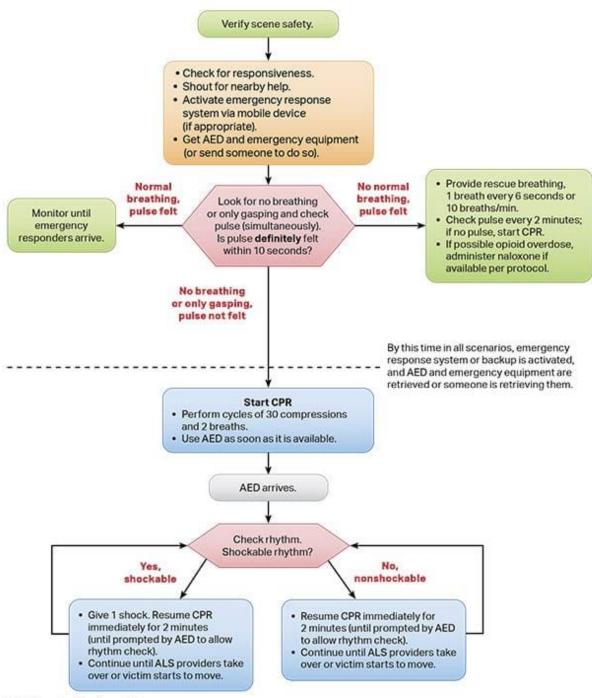
2020 AHA-ACLS GUIDELINES



Adult Cardiac Arrest Algorithm (VF/pVT/Asystole/PEA)

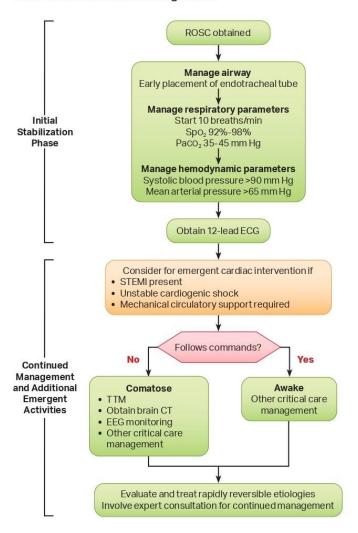


Adult Basic Life Support Algorithm for Healthcare Providers



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ACLS Healthcare Provider Post-Cardiac Arrest Care Algorithm



Initial Stabilization Phase

Resuscitation is ongoing during the post-ROSC phase, and many of these activities can occur concurrently. However, if prioritization is necessary, follow these steps:

- Airway management:
 Waveform capnography or
 capnometry to confirm and monitor
 endotracheal tube placement
- Manage respiratory parameters: Titrate Fio₂ for Spo₂ 92%-98%; start at 10 breaths/min; titrate to Paco₂ of 35-45 mm Hg
- Manage hemodynamic parameters: Administer crystalloid and/or vasopressor or inotrope for goal systolic blood pressure >90 mm Hg or mean arterial pressure >65 mm Hg

Continued Management and Additional Emergent Activities

These evaluations should be done concurrently so that decisions on targeted temperature management (TTM) receive high priority as cardiac interventions.

- Emergent cardiac intervention: Early evaluation of 12-lead electrocardiogram (ECG); consider hemodynamics for decision on cardiac intervention
- TTM: If patient is not following commands, start TTM as soon as possible; begin at 32-36°C for 24 hours by using a cooling device with feedback loop
- · Other critical care management
 - Continuously monitor core temperature (esophageal, rectal, bladder)
 - Maintain normoxia, normocapnia, euglycemia
 - Provide continuous or intermittent electroencephalogram (EEG) monitoring
 - Provide lung-protective ventilation

H's and T's

Hypovolemia

Hypoxia

Hydrogen ion (acidosis)

Hypokalemia/hyperkalemia

Hypothermia

Tension pneumothorax

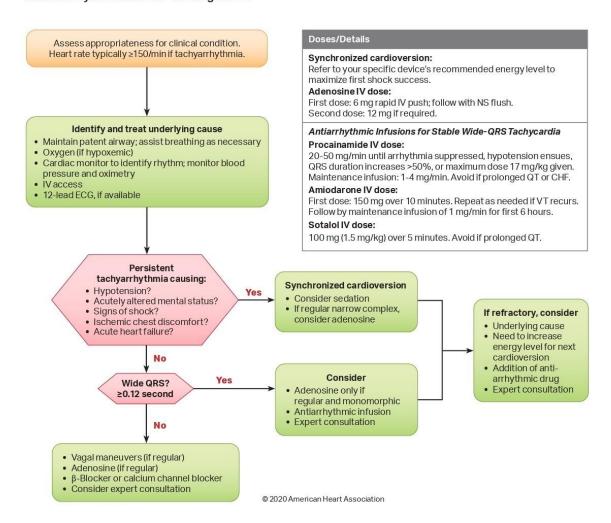
Tamponade, cardiac

Toxins

Thrombosis, pulmonary

Thrombosis, coronary

Adult Tachycardia With a Pulse Algorithm



Adult Bradycardia Algorithm

