

Title of Course - Basic Cardiopulmonary Life Support

Course objective: It will sensitize them in basic emergency care, & control with knowledge of BCLS in emergency.

Course Code: NPIAS-VAC-005

Syllabi of Course:

- 1. Introduction to BCLS:** **5 Hrs.**
Definition and importance of BCLS, Basic anatomy and physiology of the cardiovascular system, Chain of survival concept.
- 2. Recognition of Cardiac Arrest:** **5 Hrs.**
Signs and symptoms of cardiac arrest, differentiating between cardiac arrest and other medical emergencies.
- 3. Basic Life Support Techniques:** **5 Hrs.**
Checking responsiveness and calling for help, Assessing breathing and airway, Performing chest compressions, Providing rescue breathing, Use of barrier devices (face shields, pocket masks) during rescue breaths.
- 4. Use of Automated External Defibrillator (AED):** **5 Hrs.**
Indications and contraindications for AED use, Proper application of AED pads, Following AED prompts and instructions.
- 5. Special Considerations:** **5 Hrs.**
BCLS in special populations (pediatric, geriatric, pregnant patients), Modifications in BCLS techniques for infants and children, Addressing unique challenges in BCLS for different patient demographics.
- 6. Post-Resuscitation Care:** **5 Hrs.**
Importance of post-resuscitation care, Recognition and management of potential complications post-resuscitation, Transfer of care to advanced medical providers.

Suggested Reading:

Morales-Gonzalez, J. A. (Ed.). (2013). *Basic Cardiopulmonary Resuscitation Manual*.

Pujari, M. S., & Savithri, K. BASIC CARDIOPULMONARY LIFE SUPPORT (BCLS)-A REVIEW.


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