

Health care and Pharmaceutical

CERTIFIED PATIENT CARE TECHNICIAN (CPCT)

Curriculum

Program Outline :

Module 1: Fundamentals of Certified Patient Care Technician (CPCT)

- 1. Patient Care:** Providing basic patient care under the direction of nursing staff, such as bathing, bed-making, catheter care, and assisting with activities of daily living (ADLs).
- 2. Compliance, Safety, and Professional Responsibility:** Adhering to safety protocols, maintaining patient confidentiality, and understanding professional responsibilities.
- 3. Infection Control:** Implementing infection control practices to prevent the spread of infections within healthcare settings.
- 4. Phlebotomy:** Performing venipuncture and other phlebotomy procedures to collect blood samples for testing.
- 5. EKG:** Conducting electrocardiograms (EKGs) to monitor patients' heart activity and detect any abnormalities

Module 2: Advanced Certified Patient Care Technician (CPCT)

- 1. Advanced Patient Care Techniques:** Proficiency in providing specialized patient care, including wound care, ostomy care, and managing patients with complex medical conditions.

2. Emergency Response: Skills in responding to medical emergencies, such as performing CPR, using automated external defibrillators (AEDs), and managing choking incidents.

3. Infection Control and Sterile Techniques: Advanced knowledge of infection control practices and sterile techniques to prevent hospital acquired infections.

4. Patient Education and Advocacy: Ability to educate patients and their families about medical conditions, treatments, and preventive care, as well as advocating for patients' needs and preferences.

5. Quality Improvement Initiatives: Participation in quality improvement projects to enhance patient care processes and outcomes within healthcare settings.

Module 3: Practical Applications

1. Patient Care and Management:

Medication Therapy Management (MTM): Pharmacists optimize medication regimens to improve therapeutic outcomes and reduce adverse effects.

2. Clinical Practice:

Patient Counseling: Educating patients on proper medication use, potential side effects, and lifestyle modifications to enhance health outcomes.

3. Pharmaceutical Research and Development:

Drug Discovery and Development: Conducting research to discover new medications and develop existing ones

4. Healthcare Technology and Innovation:

Telemedicine: Using telehealth platforms to provide remote consultations, follow-ups, and health monitoring

Module 4: Capstone Project

1.Impact of Telemedicine on Patient Outcomes

Analyze the effectiveness of telemedicine in improving patient outcomes, especially for chronic disease management .

2.Pharmaceutical Waste Management

Develop strategies to reduce pharmaceutical waste and its environmental impact.

3.Medication Adherence in Elderly Patients

Investigate factors affecting medication adherence among elderly patients and develop interventions to improve adherence.

4.Implementation of an Electronic Health Records (EHR) System

Assess the challenges and benefits of implementing an EHR system in a healthcare facility

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Elective Modules

Advanced Pharmacology: Deep dive into the mechanisms of action, side effects, and interactions of various drugs.

Clinical Research Methods: Learn about designing and conducting clinical trials, data analysis, and ethical considerations.

Health Informatics: Study the use of information technology in healthcare, including electronic health records and data management.

Global Health: Explore health issues and solutions in a global context, including international health policies and practices

Websites:

- <https://chools.in/>
- <https://ramaqchools.com/>
- <https://www.choolsgroup.com/>