

## **Health care and Pharmaceutical**

### **CERTIFIED PHARMACOTHERAPY SPECIALIST (CPS)**

#### **Curriculum**

#### **Program Outline :**

##### **Module 1: Fundamentals of Certified Pharmacotherapy Specialist (CPS)**

- 1. Nutritional Assessment:** Evaluating patients' nutritional status and identifying those who require specialized nutrition support.
- 2. Parenteral and Enteral Nutrition:** Understanding the principles, indications, and complications of parenteral (intravenous) and enteral (tube feeding) nutrition.
- 3. Medication Management:** Integrating medication therapy with nutrition support to ensure optimal patient outcomes.
- 4. Inter professional Collaboration:** Working closely with dietitians, physicians, and other healthcare professionals to provide comprehensive care.
- 5. Regulatory and Safety Standards:** Adhering to healthcare regulations and safety standards to ensure the quality and safety of nutrition support services.

## **Module 2: Advanced Certified Pharmacotherapy Specialist (CPS)**

**1. Optimizing Nutrition Support:** Advanced knowledge and experience to optimize parenteral and enteral nutrition therapy for patients with complex medical conditions.

**2. Specialized Clinical Skills:** Enhanced clinical skills for managing patients requiring long-term or critical nutrition support, including those with multi-organ failure or severe malnutrition.

**3. Inter professional Collaboration:** Strengthening collaboration with dietitians, physicians, and other healthcare professionals to ensure coordinated and effective nutrition support.

**4. Regulatory and Compliance Expertise:** In-depth understanding of healthcare regulations and compliance requirements specific to nutrition support pharmacy.

**5. Leadership and Advocacy:** Developing leadership skills to advocate for the role of nutrition support pharmacists and lead initiatives within the healthcare system.

## **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/>