



# Module 8: Parenteral Nutrition/ Intravenous Admixture Services

Record of Training and Experience of  
Provisionally Registered Pharmacist (PRP)  
Pharmacy Board Malaysia  
Ministry of Health  
2023

**A. DURATION OF TRAINING**

4 weeks

**B. TRAINING OUTCOME**

Upon completion of training, PRP must be able to:

1. Have adequate knowledge of basic principle of clean room management and aseptic technique
2. Read and comprehend patient's case notes
3. Discuss with preceptor
4. Calculate and prepare worksheet
5. Compound preparations
6. Monitor patient progress
7. Present case

### C. TRAINING COMPONENTS WITH TARGETS TO ACHIEVE

NO	ACTIVITY	TARGET	REMARKS
1	Ability To Assist In Assessing Patient With Suitability For Parenteral Nutrition	10 adult/pediatric cases	
2	Calculation/ Worksheet	5 cases	All calculations must be counterchecked by preceptor
3	Compounding of preparations	<ul style="list-style-type: none"><li>• 10 preparations (adult/pediatric)</li><li>• Other sterile preparations (eg. IV Admixture/ Eye Drop): 20 preparations (If service available)</li></ul>	Assessment of aseptic technique included
4	Case Monitoring	10 cases	
5	Case presentation	1 case	

### D. TRAINING COMPONENT TO OBTAIN BRIEFING

1. Principle of laminar flow cabinet and clean room design
2. Maintenance of laminar flow cabinet and clean room
3. Principles of aseptic techniques

## E. PERFORMANCE SCALE

Scale	Rating	Description
10	Outstanding	Exceed target within the stipulated duration with an extraordinary level of commitment in terms of quality and time, technical skills and knowledge, ingenuity, creativity, initiative and good attitude.
9	Excellent	Exceed target within the stipulated duration with good quality of work, efficiency, timeliness and good level of commitment.
8	Very Satisfactory	Target met within the stipulated duration with good quality of work, efficiency and timeliness.
7	Satisfactory	Target met within the stipulated duration.
6	Average	Target met with extension.
5	Unsatisfactory	Target not met within the stipulated duration with good level of commitment.
4	Unsatisfactory	Target not met within the stipulated duration with average level of commitment.
1-3	Poor	Target not met within the stipulated duration with poor level of commitment.

**F. RECORD OF TRAINING AND EXPERIENCE**

**1. ABILITY TO ASSIST IN ASSESSING PATIENT SUITABILITY FOR PARENTERAL NUTRITION**

a. Instruction: Use the legend below to indicate each type of intervention (INT)

Type of Intervention (INT)			
A-Incomplete Prescription	B-Inappropriate Regimens	C-Inappropriate Prescriptions	D-Others
A1 Patient Details	B1 Medicine	C1 Wrong identification	D1 Not in the hospital drug formulary
A2 Medicine	B2 Dose	C2 Polypharmacy	D2 Illegibility
A3 Dose	B3 Frequency	C3 Contraindication	D3 Authenticity
A4 Frequency	B4 Duration	C4 Interaction	
A5 Duration		C5 Incompatibility	
A6 Signature & stamp			
A7 Countersignature			

b. Target of the activity : **10 adult/pediatric cases**

No.	Date	Patient IC/RN	Type of Intervention (if any)	Preceptor's Initial
<b>TOTAL CASES</b>				

## 2. CALCULATION/ WORKSHEET

Target of the activity : 5 cases

No.	Date	Patient IC/RN	Indication of Parenteral Nutrition	Preceptor's Initial
<b>TOTAL CASES</b>				

### 3. COMPOUNDING OF PREPARATION

Target of the activity :

1. Parenteral Nutrition preparation: **10 preparations (Adult/Pediatric)**
2. Other sterile preparation (IV Admixture/ Eye Drop): **20 preparations (if services available)**

#### Parenteral Nutrition Preparation

No.	Date	Patient IC/RN	Adult/Pediatric Preparation	Preceptor's Initial
<b>TOTAL PARENTERAL NUTRITION PREPARATIONS</b>				

### 3. COMPOUNDING OF PREPARATION

#### Other Sterile Preparation

No.	Date	Patient IC/RN	Type of Sterile Preparation (Eg IV Admixture/ Eye Drop)	Preceptor's Initial



### 3. COMPOUNDING OF PREPARATION

No.	Date	Patient IC/RN	Type of Sterile Preparation (Eg IV Admixture/ Eye Drop)	Preceptor's Initial
<b>TOTAL STERILE PREPARATIONS</b>				

#### 4. CASE MONITORING

a. Instruction: Use the legend below to indicate types of intervention (INT)

Type of Intervention (INT)			
A-Incomplete Prescription	B-Inappropriate Regimens	C-Inappropriate Prescriptions	D-Others
A1 Patient Details	B1 Medicine	C1 Wrong identification	D1 Not in the hospital drug formulary
A2 Medicine	B2 Dose	C2 Polypharmacy	D2 Illegibility
A3 Dose	B3 Frequency	C3 Contraindication	D3 Authenticity
A4 Frequency	B4 Duration	C4 Interaction	
A5 Duration		C5 Incompatibility	
A6 Signature & stamp			
A7 Countersignature			

b. Target of the activity : **10 cases**

No.	Date	Patient IC/RN	Type of Intervention (if any)	Preceptor's Initial
<b>TOTAL CASES</b>				

## 5. CASE PRESENTATION

Target of the activity : 1 case

No.	Date	Patient IC/RN	Topic of Presentation	Preceptor's Initial

**COMPETENT ASSESSMENT – PARENTERAL NUTRITION/ INTRAVENOUS ADMIXTURE SERVICES**

No.	Task	Target	Completed Task	Percentage achieved (%)	Level of Performance											Comments
					1	2	3	4	5	6	7	8	9	10	NA	
1.	Ability to Assist in Assessing Patient Suitability for Parenteral Nutrition	10 adult/pediatric cases														
2.	Calculation/ Worksheet	5 cases														
3.	Compounding of Preparations	PN: 10 preparations Others: 20 preparations (If service available)														
4.	Case Review	10 cases														
5.	Case Presentation	1 case														

**ASSESSMENT – PARENTERAL NUTRITION/ INTRAVENOUS ADMIXTURE SERVICES**

**GENERAL COMMENT ON ATTITUDE**

Marks =  $\frac{\quad}{50} \times 100\%$

=  $\frac{\quad}{\quad} \%$

**Preceptor's Name & Signature:**