

# Rajiv Gandhi University of Health Sciences Bangalore, Karnataka



**UNDER GRADUATE PAEDIATRIC LOG BOOK**

**As per Competency-Based Medical Education  
Curriculum**

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## Sample template

College  
Logo

Student's  
Stamp size  
photo

(Name of the medical college)

**DEPARTMENT OF PAEDIATRICS**

**UNDERGRADUATE PAEDIATRIC**

**LOG BOOK**

Name of the student:

Contact Number:

Email id:

---

Date of admission to MBBS course:

Date of beginning of the current phase:

Reg. No. (College ID):

Reg. No. (University ID):

Draft

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# Sample template

## DEPARTMENT OF PAEDIATRICS

(Name of the medical college)

### LOG BOOK CERTIFICATE

Certified that this is a bonafide record of the work done by

\_\_\_\_\_ in the department

during his/her clinical postings. He/she will be appearing for the

Final M.B.B.S.(Phase 3, part 2) examination of Rajiv Gandhi

University of Health Sciences, Karnataka, in February/August 20

Signature of faculty

Signature of Head of the department

\_\_\_\_\_

Name :

Reg No. :

Batch :

Posting in the Dept : From To

I  
II  
III

### ATTENDANCE

		Classes held	Classes attended	Percentage	Faculty sign
Clinical Posting	I				
	II				
	III				
Theory Attendance	PY3P1				
	PY3P2				
Small group discussions	PY3P1				
	PY3P2				

### INTERNAL ASSESSMENT MARKS

	Theory	Clinicals
	1 <sup>st</sup> test:	1 <sup>st</sup> :
	2 <sup>nd</sup> test:	2 <sup>nd</sup> :
		3 <sup>rd</sup> :
Final Internal Assessment Marks		

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## **ABBREVIATIONS**

**F / R / RE – First or Only / Repeat / Remedial**

- First or only – Student completed the task in the first attempt
- Repeat – Student completed the task in multiple attempts
- Remedial – Student completed the task after remedial measures

**B / M / E – Below expectation / Meets expectation / Exceeds expectation**

- Below expectation – Student did not complete the task
- Meets Expectation – Student completed the task with minimal prompts
- Exceeds expectation – Student completed the task without any prompts

**C / R / RE – Completed / Repeat / Remedial**

- Completed – Student has successfully completed the task
- Repeat – Student had to repeat the task in the same briefing
- Remedial – Student needs to undergo briefing again and repeat the task

**AETCOM – Attitude, Ethics and Communication Module**

### SUMMARY OF CERTIFIABLE COMPETENCIES

Competency no.	Competency details	No required to certify	Date completed	Reference page no
PE1.4	Perform anthropometric measurements, document in growth charts and interpret	3		8
PE1.7	Perform developmental assessment and interpret	3		14
PE 7.5	Observe the correct technique of breast feeding and distinguish right from wrong techniques	3		23
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PE24.15	Perform NG tube insertion in a manikin	2		25
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PE27.15	Assess airway and breathing: recognize signs of severe respiratory distress. Check for cyanosis, severe chest indrawing, grunting	3		45
PE27.16	Assess airway and breathing. Demonstrate the method of positioning of an infant & child to open airway in a simulated environment	3		46
PE27.17	Assess airway and breathing: administer oxygen using correct technique and appropriate flow rate	3		47
PE27.18	Assess airway and breathing: perform assisted ventilation by bag and mask in a simulated environment	3		48
PE27.19	Check for signs of shock i.e. pulse, blood pressure, CRT	3		49



PE27.20	Secure an IV access in a simulated Environment	<b>2</b>		<b>43</b>
PE27.21	Choose the type of fluid and calculate the fluid requirement in shock	<b>3</b>		<b>50</b>
PE27.22	Assess level of consciousness & provide emergency treatment to a child with convulsions/coma Position an unconscious child Position a child with suspected trauma Administer IV/per rectal Diazepam for a convulsing child in a simulated environment	<b>3</b>		<b>51</b>
PE27.23	Assess for signs of severe dehydration	<b>3</b>		<b>52</b>
PE27.28	Provide BLS for children in manikin	<b>3</b>		<b>53</b>
PE33.6	Perform and interpret urine dip stick for sugar	<b>3</b>		<b>26</b>
PE33.11	Identify deviations in growth and plan appropriate referral	<b>2</b>		<b>13</b>
PE34.6	Identify a BCG scar	<b>3</b>		<b>27</b>
PE34.7	Interpret a Mantoux test	<b>3</b>		<b>28</b>
PE34.11	Perform AFB staining	<b>3</b>		<b>29</b>

Student's Signature

Signature of Faculty  
(Name and Designation)

### DOCUMENTATION OF CASE PRESENTATIONS

S. No	Date	Patient Name and ID	Diagnosis	Case Presented/ Attended (P/A)	Year/ Phase	Grade (B/M/E)	Teacher's Signature

## **PROFESSIONAL YEAR II**

## **LEARNING OBJECTIVES 1<sup>st</sup> CLINICAL POSTING (2 WEEKS)**

At the end of the first posting, students are expected to:

1. Perform, interpret and document anthropometric measurements in children
2. Use the appropriate growth chart for a child and interpret them correctly
3. Perform, interpret and document nutritional history taking and development of a dietary plan for all children
4. Perform, interpret and document developmental history taking in all children
5. Conduct a developmental assessment in children and interpret them correctly
6. Assess patient for fitness for immunization and prescribe an age-appropriate immunization schedule

## PE 1.4 Perform anthropometric measurements, document in growth charts and Interpret

Minimum number required to certify-3\*

### Growth assessment

No	Name	Age	Sex	Weight			Height/Length			MAC			HC			Wt for Ht		
				A	E	I	A	E	I	A	E	I	A	E	I	A	E	I
1																		
2																		
3																		
4																		
5																		

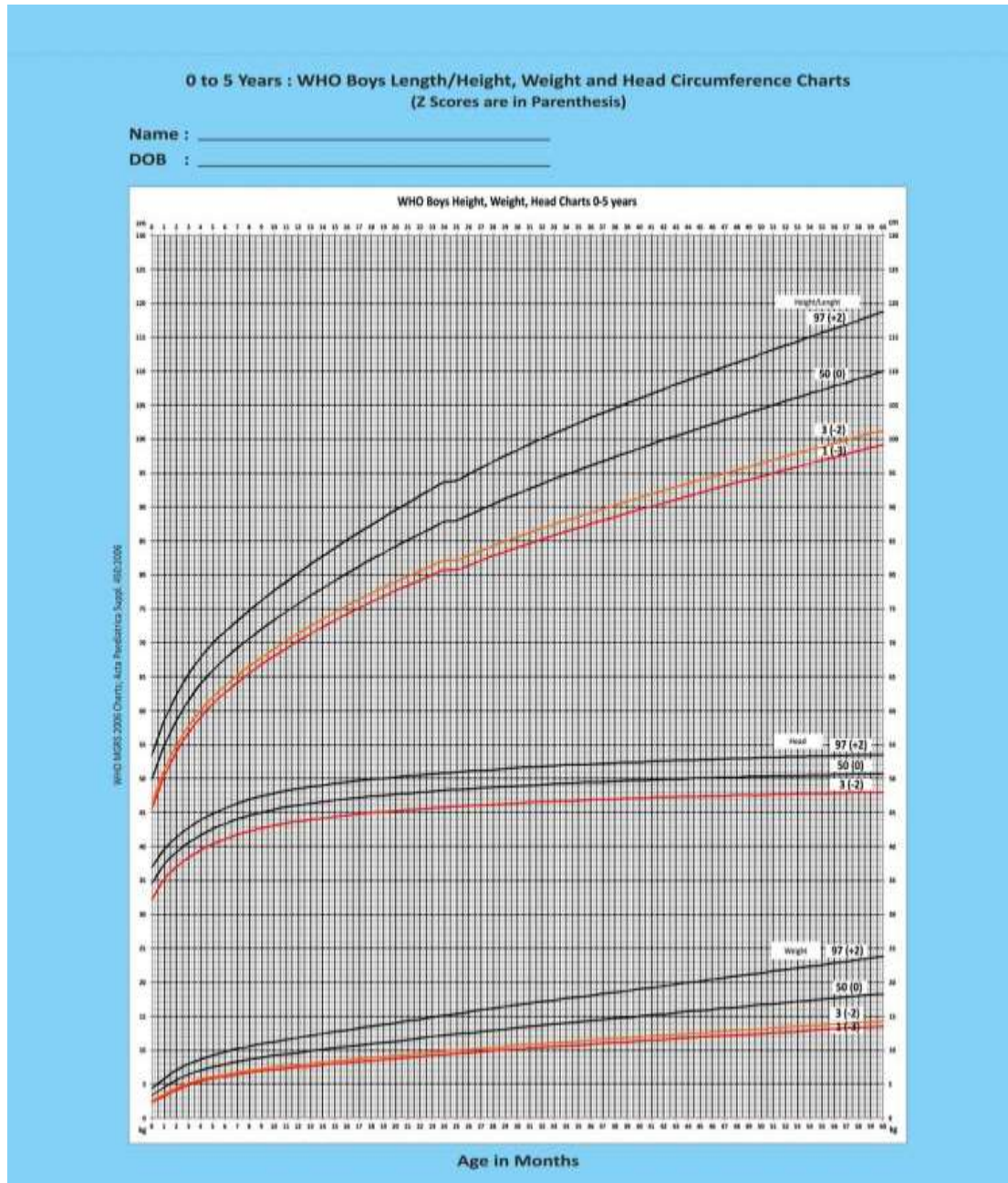
A – Actual

E – Expected

I – Inference

## Using growth charts

Anthropometric values to be given here for each batch. They have to mark the values on the chart and interpret the growth pattern (No. Required - 3)

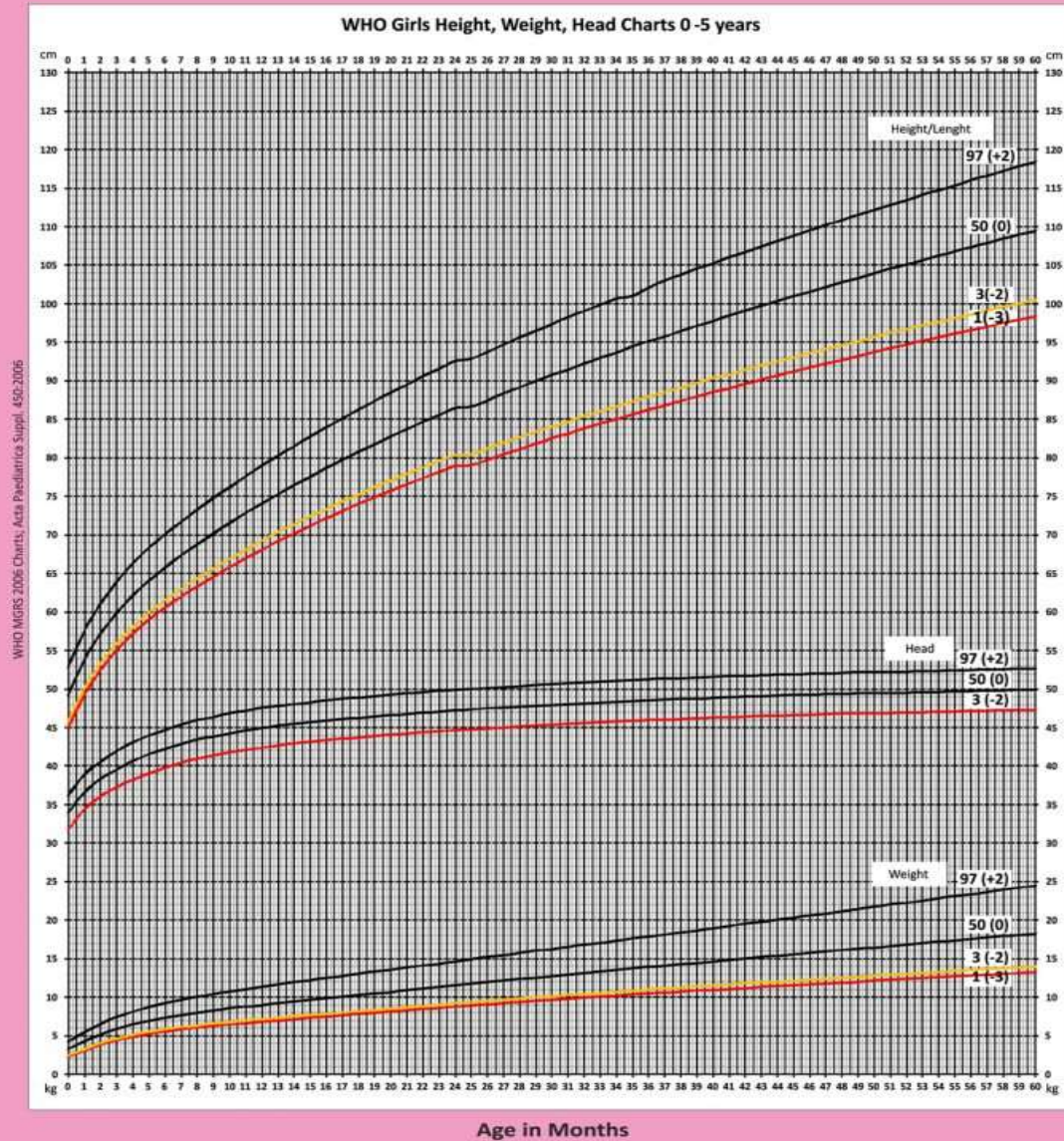


Interpretation:

- 1.
- 2.
- 3.

**0 to 5 Years : WHO Girls Length/Height, Weight and Head Circumference Charts**  
(Z Scores are in Parenthesis)

Name : \_\_\_\_\_  
DOB : \_\_\_\_\_



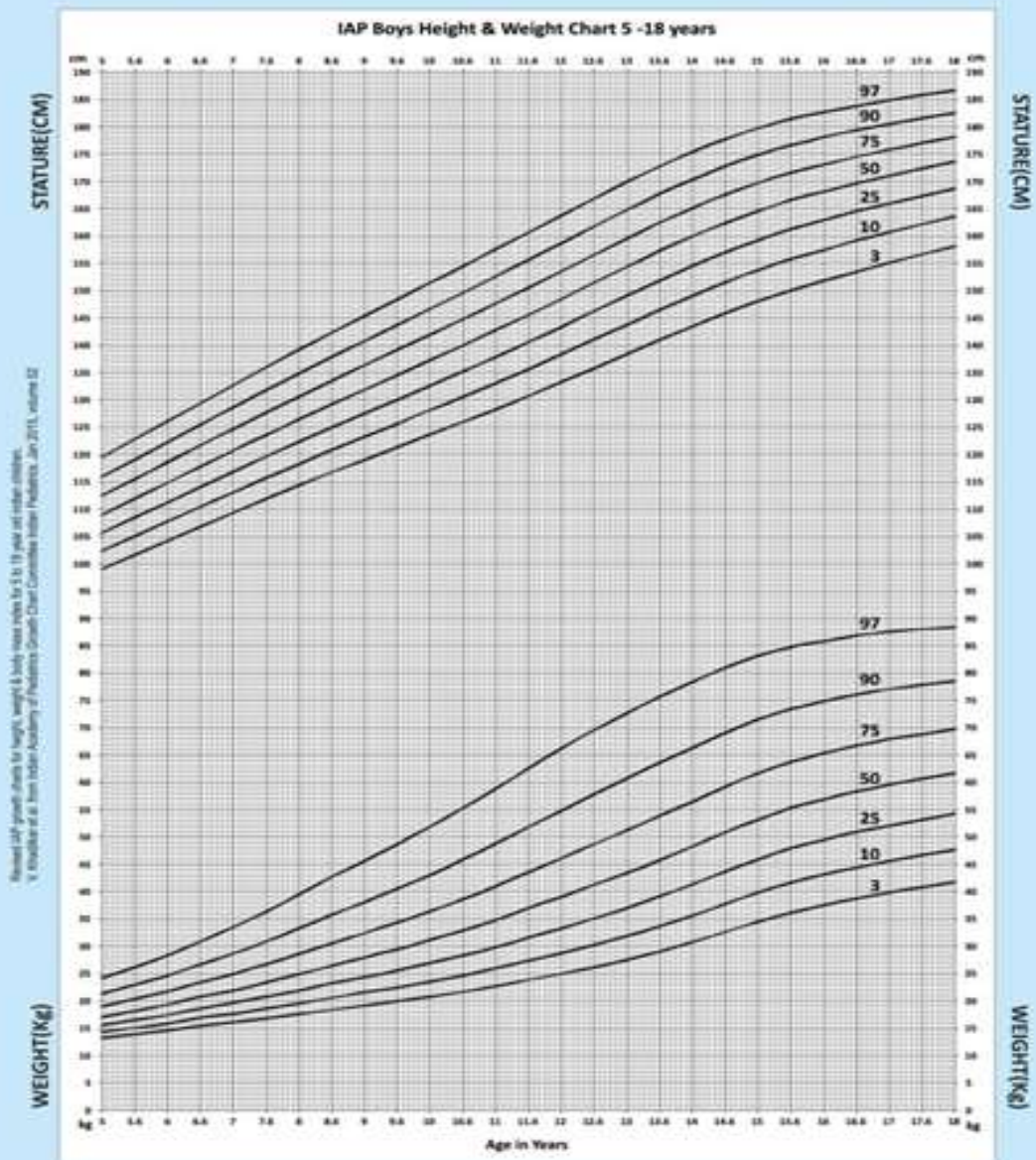
Interpretation:

- 1.
- 2.
- 3.



# 5 to 18 Years : IAP Boys Height and Weight Charts

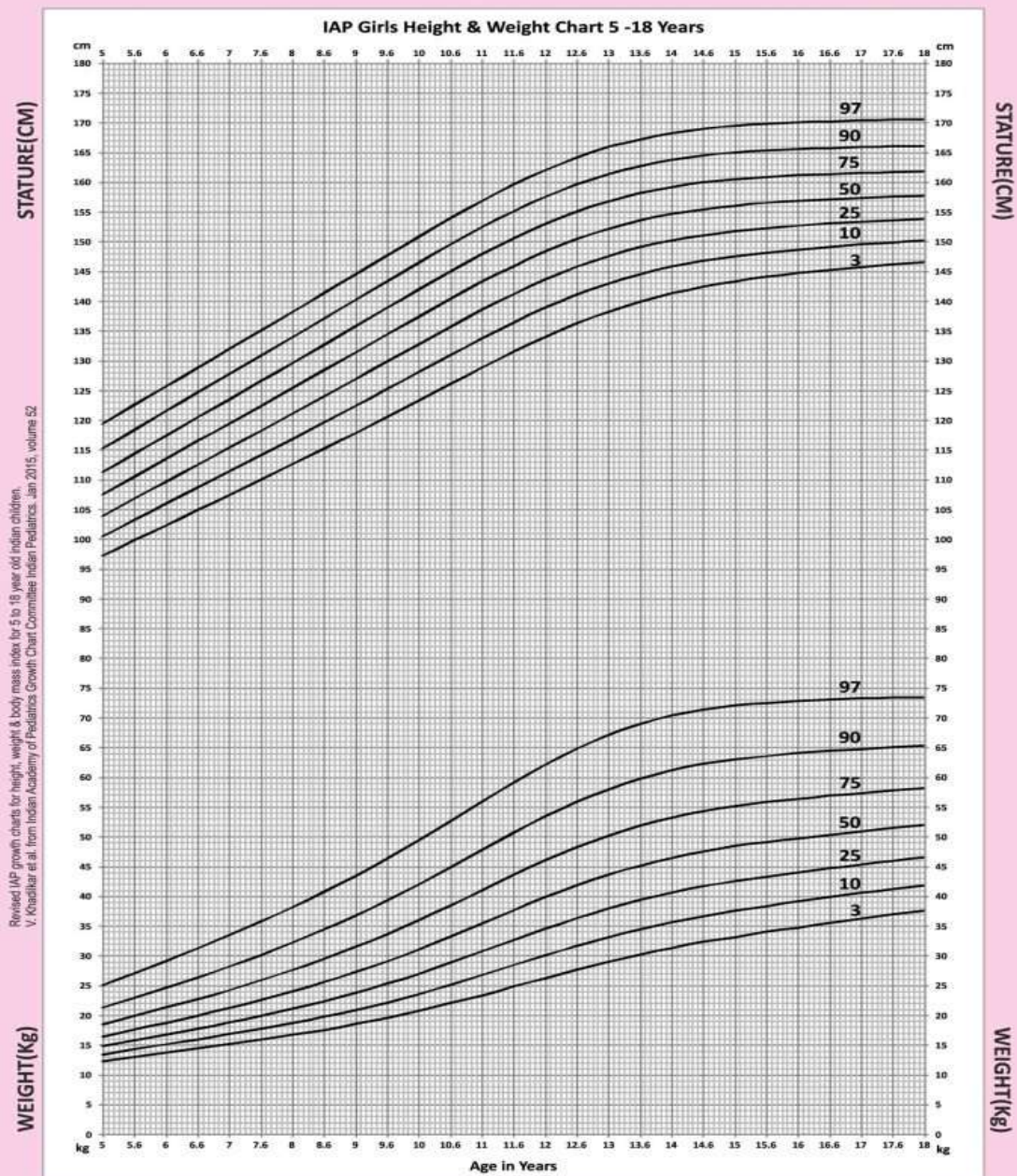
Father's Height \_\_\_\_\_, Mother's Height \_\_\_\_\_, Target Height \_\_\_\_\_





## 5 to 18 Years : IAP Girls Height and Weight Charts

Father's Height \_\_\_\_\_, Mother's Height \_\_\_\_\_, Target Height \_\_\_\_\_



Interpretation:

- 1.
- 2.
- 3.

Date Completed	Attempt at Competency (F/R/Re)	Rating (B/M/E)	Decision of Faculty (C/R/Re)	Initial of Faculty & Date	Feedback Received Initial of Learner with Date

**PE33.11 Identify deviations in growth (Using the above growth charts) and plan appropriate referral.**

Minimum number required to certify-2

**If requiring referral, mention the reasons for referral**

**(Case 1)**

- 1.
- 2.
- 3.
- 4.
- 5.

**(Case 2)**

- 1.
- 2.
- 3.
- 4.
- 5.

Date Completed	Attempt at Competency (F/R/Re)	Rating (B/M/E)	Decision of Faculty (C/R/Re)	Initial of Faculty & Date	Feedback Received Initial of Learner with Date

### PE1.7 Perform developmental assessment and interpret

Minimum number required to certify-3

Take a detailed developmental history and perform developmental assessment. Indicate the present milestone attained in each category. Calculate the developmental age for each domain

S. No	Name	Age	Sex	Gross Motor	Fine Motor	Language	Social	Developmental age				Inference
								GM	FM	L	S	
1												
2												
3												
4												
5												

Date Completed	Attempt at Competency (F/R/Re)	Rating (B/M/E)	Decision of Faculty (C/R/Re)	Initial of Faculty & Date	Feedback Received Initial of Learner with Date

### **PE11.5 Calculate BMI, document in BMI chart and interpret**

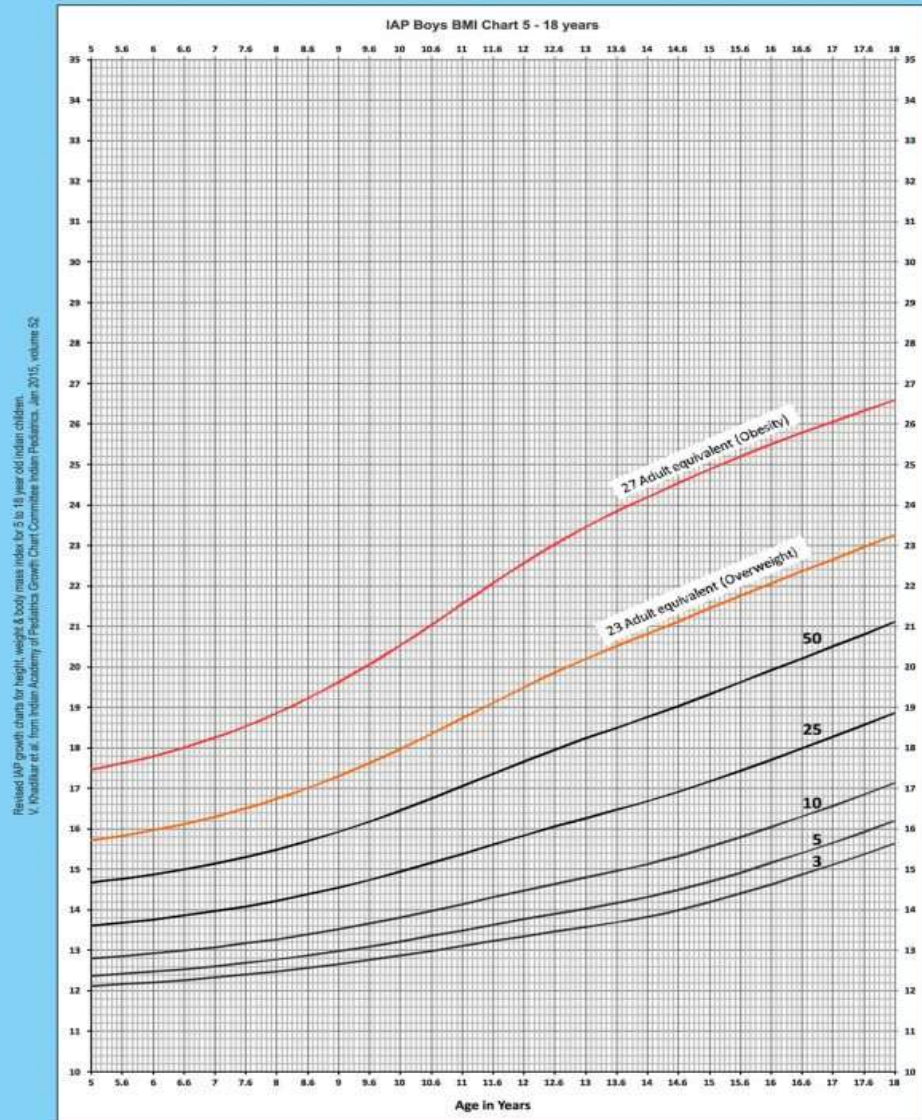
Minimum number required to certify-3

Calculate the BMI for 3 children (above 5 years) and enter in this table and also mark in the appropriate graph

S. No	Name	Age	Sex	Weight	Height	BMI	Normal	Inference
1								
2								
3								
4								
5								

### 5 to 18 Years : IAP Boys Body Mass Index Charts

Name \_\_\_\_\_  
DOB \_\_\_\_\_



Interpretation:

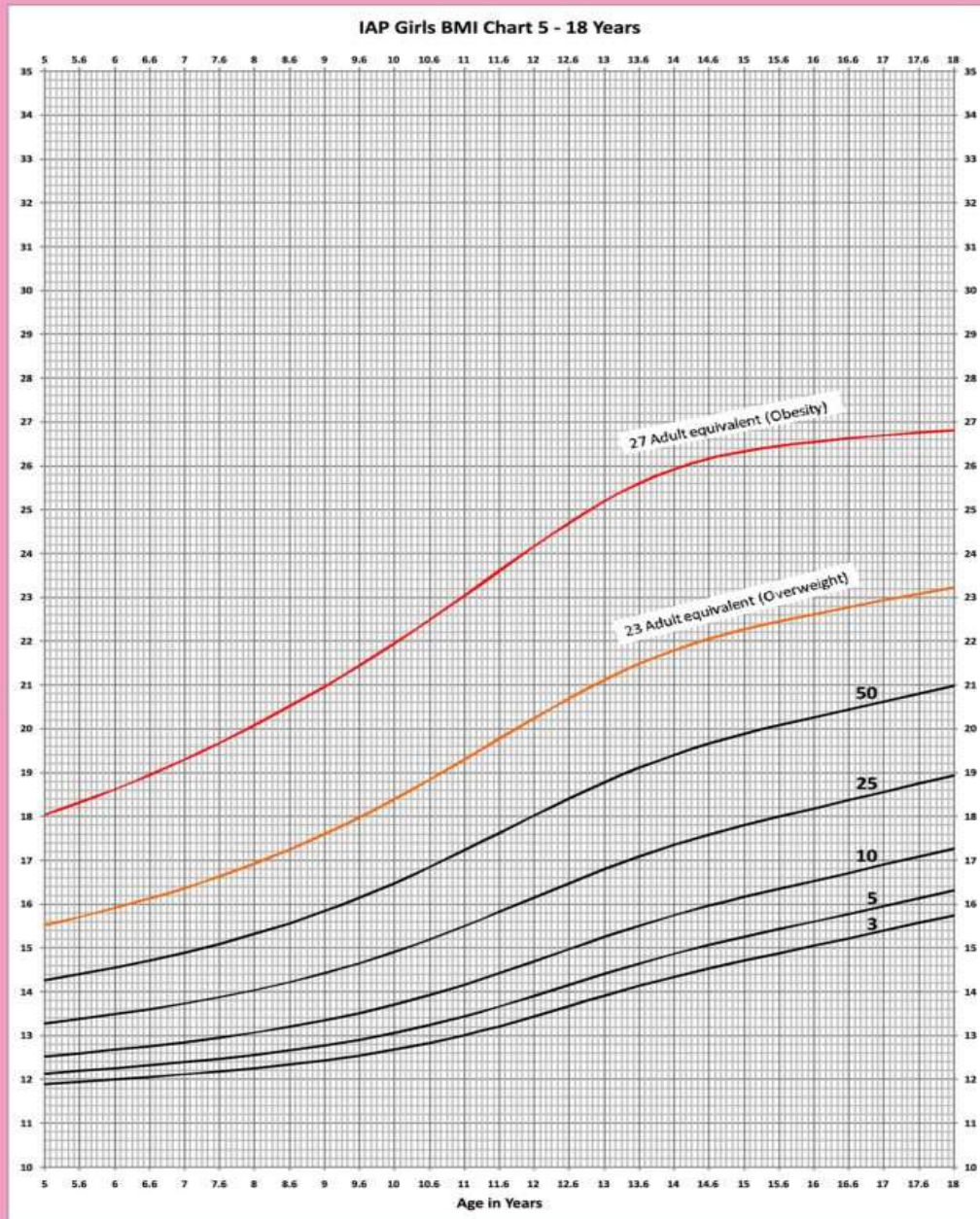
- 1.
- 2.
- 3.



## 5 to 18 Years : IAP Girls Body Mass Index Charts

Name \_\_\_\_\_  
DOB \_\_\_\_\_

Revised IAP growth charts for height, weight & body mass index for 5 to 18 year old Indian children.  
V. Khadilkar et al. from Indian Academy of Pediatrics Growth Chart Committee Indian Pediatrics, Jan 2015, volume 52.



Interpretation:

- 1.
- 2.
- 3.

Date Completed	Attempt at Competency (F/R/Re)	Rating (B/M/E)	Decision of Faculty (C/R/Re)	Initial of Faculty & Date	Feedback Received Initial of Learner with Date

### **PE19.6 Assess patient for fitness for immunization and prescribe an age-appropriate immunization schedule**

Minimum number required to certify-5

Assessment of immunization status:

S. No	Name	Age	Sex	Vaccines received till date	Plan for further immunisation
1					
2					
3					
4					
5					

Date Completed	Attempt at Competency (F/R/Re)	Rating (B/M/E)	Decision of Faculty (C/R/Re)	Initial of Faculty & Date	Feedback Received Initial of Learner with Date



## REFLECTIONS:

**Your thoughts about the procedures requiring certification (any 7 where you committed mistakes)**

Competency no	Competency details	Why I went wrong	Was this exercise useful	Faculty remarks

## **PROFESSIONAL YEAR III PHASE I**

## **LEARNING OBJECTIVES**

1. Observe the correct technique of breast feeding and distinguish right from wrong techniques
2. Perform NG tube insertion in a manikin correctly
3. Perform and interpret urine dip stick for sugar correctly
4. Identify a BCG scar accurately
5. Interpret a Mantoux test correctly
6. Perform AFB staining correctly
7. Write 4 Paediatric and 1 neonatal case sheets

## **PE7.5 Observe the correct technique of breast feeding and distinguish right from wrong techniques**

Minimum number required to certify-3

Observe the process of breast feeding (under supervision and a chaperone being present) and note the following points

### **Position of mother and baby.**

**Cradle.** The baby is held in the crook or elbow area of the arm on same side as breast to be used for feeding; mother supports breast with opposite hand; baby's body is rolled in toward mother's body so they are belly-to-belly.

**Cross-cradle.** The baby's head is supported by the hand opposite the breast to be used for feeding; mother supports breast with hand; baby is rolled in toward mother's body belly-to-belly.

**Football or clutch.** Baby's head is supported by the hand on the same side as breast to be used for feeding; baby's body is supported on a pillow and tucked under the arm on the same side as breast to be used for feeding.

**Side-lying using modified cradle.** In this position, the baby lies next to the mother with their bodies facing each other. If a pillow under the arm is uncomfortable, try placing the baby in the crook of the arm. This way, it is unlikely for the mother to roll over on the baby should the mother doze off. This position also keeps the baby's head at a good angle to bring baby and breast together, with the baby's head higher than his or her tummy, which can be helpful for babies who are more likely to spit up.

**Laid-back breastfeeding.** In this position, the mother is leaning back in a recliner or reclining in bed. The baby is lying on his or her stomach and is pressed against the mother's body. She can support the side of her baby's head if baby cannot hold it by him- or herself. In this position, both mother and baby can relax. She can allow her baby to explore her breast and latch on at his or her leisure. This is a great position if mother has had a cesarean delivery.

### **Latching.**

The latch should be comfortable and pain free.

The baby's chest and stomach rest against the mother's body, so that baby's head is straight, not turned to the side.

Baby's chin touches her breast.

Baby's mouth opens wide around her breast, not just the nipple.

Baby's lips turn out.

Baby's tongue cups under her breast.

Mother hears or sees swallowing.

S. No	Position of mother	Position of child	Attachment (latching)	Comments
1				
2				
3				
4				
5				

Date Completed	Attempt at Competency (F/R/Re)	Rating (B/M/E)	Decision of Faculty (C/R/Re)	Initial of Faculty & Date	Feedback Received Initial of Learner with Date

## PE24.15 Perform NG tube insertion in a manikin

Minimum Number required to certify-2

Demonstrate the following steps in inserting a NG tube in a manikin

S. No	Identify size of nasogastric tube as per age of child.	Demonstrate landmarks for measurement of length of NG tube to be inserted on a manikin	Correctly measure the length of NG tube to be inserted	Insert the tube and check its position
1				
2				
3				

Date Completed	Attempt at Competency (F/R/Re)	Rating (B/M/E)	Decision of Faculty (C/R/Re)	Initial of Faculty & Date	Feedback Received Initial of Learner with Date

### PE33.6 Perform and interpret urine dip stick for sugar

Minimum number required to certify- 3

Demonstrate the steps to perform and interpret the urine dip stick for sugar

S. no	Urine sugar by dipstick	Interpretation
1		
2		
3		

Date Completed	Attempt at Competency (F/R/Re)	Rating (B/M/E)	Decision of Faculty(C/R/Re)	Initial of Faculty & Date	Feedback Received Initial of Learner with Date

### PE34.6 Identify a BCG scar

Minimum number required to certify- 3

Demonstrate the following steps to identify a BCG scar

S.No	Age of the child	Size of BCG scar	Quality of the scar
1			
2			
3			
4			

Date Completed	Attempt at Competency (F/R/Re)	Rating (B/M/E)	Decision of Faculty(C/R/Re)	Initial of Faculty & Date	Feedback Received Initial of Learner with Date



### PE34.7 Interpret a Mantoux test

Minimum number required to certify- 3

Demonstrate the following steps to interpret a Mantoux test

S. No	Age	Measure induration (horizontal/transverse)	Interpretation
1			
2			
3			
4			
5			

Date Completed	Attempt at Competency (F/R/Re)	Rating (B/M/E)	Decision of Faculty(C/R/Re)	Initial of Faculty & Date	Feedback Received Initial of Learner with Date

**PE34.11 Perform AFB staining**  
**\*\*Shared with Microbiology**

Minimum number required to certify- 3

Date Completed	Attempt at Competency (F/R/Re)	Rating (B/M/E)	Decision of Faculty(C/R/Re)	Initial of Faculty & Date	Feedback Received Initial of Learner with Date

**SUMMARY OF COMPETENCIES REQUIRING DOCUMENTATION**  
**(to be observed in ward/PICU/NICU/LT)**

S. no	Competency no	Competency detail	Minimum No. to be done	Date completed	Faculty signature
<b>1</b>	18.5	Provide intra-natal care and observe the conduct of a normal delivery	<b>3</b>		
<b>2</b>	27.10	Observe the various methods of administering Oxygen	<b>3</b>		
<b>3</b>	31.11	Observe administration of Nebulization	<b>3</b>		

**Competencies requiring documentation**  
(to be done as part of seminar, demonstration, case presentation)

<b>S.no</b>	<b>Competency no</b>	<b>Competency detail</b>	<b>Minimum No. to be done</b>	<b>T/L method</b>	<b>Date completed</b>	<b>Faculty signature</b>
<b>1</b>	9.7	Plan an appropriate diet in health and disease	<b>3</b>			
<b>2</b>	11.3	Assessment of a child with obesity with regard to eliciting history including physical activity, charting and dietary recall	<b>3</b>			
<b>3</b>	12.3	Identify the clinical features of dietary deficiency /excess of Vitamin A	<b>3</b>			
<b>4</b>	12.4	Diagnose patients with Vitamin A deficiency (VAD), classify and plan management	<b>3</b>			
<b>5</b>	12.8	Identify the clinical features of dietary deficiency of Vitamin D	<b>3</b>			

<b>6</b>	12.9	Assess patients with Vitamin D deficiency, diagnose, classify and plan management	<b>3</b>			
<b>7</b>	12.17	Identify the clinical features of Vitamin B complex deficiency	<b>3</b>			
<b>8</b>	12.18	Diagnose patients with vitamin B complex deficiency and plan management	<b>3</b>			
<b>9</b>	12.21	Identify the clinical features of Vitamin C deficiency	<b>3</b>			
<b>10</b>	13.3	Identify the clinical features of dietary deficiency of Iron and make a diagnosis	<b>3</b>			
<b>11</b>	24.12	Perform and interpret stool examination including Hanging Drop	<b>2</b>			
<b>12</b>	27.31	Assess child for signs of abuse	<b>2</b>			
<b>13</b>	32.2	Identify the clinical features of Down Syndrome	<b>3</b>			

<b>14</b>	32.7	Identify the clinical features of Turner Syndrome	<b>2</b>			
<b>15</b>	32.12	Identify the clinical features of Klinefelter Syndrome	<b>2</b>			
<b>16</b>	33.10	Recognize precocious and delayed Puberty and refer	<b>2</b>			
<b>17</b>	20.6	Explain the follow-up care for neonates including Breastfeeding, Temperature maintenance, immunization, importance of growth monitoring and red flags.	<b>3</b>			

**Competencies requiring documentation**  
**(to be done by giving actual blood reports/case scenarios/x-rays/CT/MRI**  
**/EEG/ECG reports)**

<b>S . no</b>	<b>Competency no</b>	<b>Competency detail</b>	<b>Minimum No. to be done</b>	<b>T/L method</b>	<b>Date completed</b>	<b>Faculty signature</b>
<b>1</b>	28.16	Interpret blood tests relevant to upper respiratory problems	<b>3</b>			
<b>2</b>	29.15	Perform and Interpret peripheral smear.	<b>3</b>			
<b>3</b>	32.3	Interpret normal Karyotype and recognize Trisomy 21	<b>2</b>			
<b>4</b>	32.8	Interpret normal Karyotype and recognize Turner Karyotype	<b>2</b>			
<b>5</b>	32.13	Interpret normal Karyotype and recognize the Klinefelter Karyotype	<b>2</b>			
<b>6</b>	34.9	Interpret blood tests in the context of laboratory evidence for tuberculosis	<b>2</b>			

**AFFECTIVE COMPETENCIES REQUIRING DOCUMENTATION**  
**(To be done as part of AETCOM)**

<b>S. No</b>	<b>Competency no</b>	<b>Competency detail</b>	<b>Minimum No. to be done</b>	<b>Date completed</b>	<b>Faculty signature</b>
<b>1</b>	2.3	Counseling a parent with failing to thrive child	<b>3</b>		
<b>2</b>	3.4	Counsel a parent of a child with developmental delay	<b>3</b>		
<b>3</b>	6.8	Respecting patient privacy and maintaining confidentiality while dealing with adolescence	<b>3</b>		
<b>4</b>	7.8	Educate mothers on antenatal breast care and prepare mothers for lactation	<b>3</b>		
<b>5</b>	7.9	Educate and counsel mothers for best practices in Breastfeeding	<b>3</b>		
<b>6</b>	7.10	Respect patient privacy	<b>3</b>		
<b>7</b>	8.5	Counsel and educate mothers on the best practices in complementary feeding	<b>3</b>		
<b>8</b>	10.5	Counsel parents of children with SAM and MAM	<b>3</b>		

<b>9</b>	19.7	Educate and counsel a patient for immunization	<b>3</b>		
<b>10</b>	19.8	Demonstrate willingness to participate in the national and subnational immunization days	<b>3</b>		
<b>11</b>	20.5	Counsel/educate mothers on the care of neonates	<b>3</b>		
<b>12</b>	21.16	Counsel / educate a patient for referral appropriately	<b>3</b>		
<b>13</b>	22.2	Counsel a patient with Chronic illness	<b>3</b>		
<b>14</b>	23.18	Demonstrate empathy while dealing with children with cardiac diseases in every patient encounter	<b>3</b>		
<b>15</b>	29.19	Counsel and educate patients about prevention and treatment of anemia.	<b>3</b>		
<b>16</b>	32.5	Counsel parents regarding 1. Present child 2. Risk in the next pregnancy (Down syndrome)	<b>2</b>		
<b>17</b>	32.10	Counsel parents regarding 1. Present child 2. Risk in the next pregnancy (Turner syndrome)	<b>2</b>		



## **SELF- DIRECTED LEARNING**

### **List of Self-Directed Learning Topics**

**1.**

**2.**

**3.**

**4.**

**5.**

**6.**

**7.**

**8.**

**9.**

**10.**

**11.**

**12.**

**13.**

**14.**

**15.**

## **SELF- DIRECTED LEARNING:**

**1)**

**Topic:**

**Objectives:**

**Task:**

**Impressions:**

**2)**

**Topic:**

**Objectives:**

**Task:**

**Impressions:**

## INTEGRATED LEARNING

### Summary of integrated learning sessions:

S.No	Competency No.	Topic	Departments involved	Date

## REFLECTIONS:

**Your thoughts about the procedures requiring certification (any 7 where you committed mistakes)**

Competency no	Competency details	Why I went wrong	Was this exercise useful	Faculty remarks

### ELECTIVE POSTINGS (If done in Paediatrics)

Name of block	Name of elective	Location of elective	Name of internal preceptor	Attendance	Daily rounds	Assignments	Case presentation	Remarks of the preceptor
1								
2								
3								

## **PROFESSIONAL YEAR III PHASE II**

## LEARNING OBJECTIVES

1. Perform IV cannulation in a simulated environment
2. Perform intraosseous insertion in a simulated environment
3. Assess airway, breathing and circulation in a sick child, give appropriate and accurate treatment
4. Choose the type of fluid and calculate the fluid requirement in shock in children
5. Assess level of consciousness & provide emergency treatment to a child with convulsions/ coma
6. Assess for signs of severe dehydration
7. Provide BLS for children in a manikin
8. Write 4 Paediatric and 1 neonatal case sheet

**PE24.16 / PE 27.20 Perform IV cannulation in a model**

Minimum number required to certify-2

Perform IV cannulation in a manikin by observing the following steps

S.no	Identify size of IV cannula as per age of child.	Demonstrate all steps of infection control policy like handwashing, wearing gloves, proper filling of fluid in syringe	Choose and prepare the site	Correctly insert the cannula and look for free flow of blood	Fix the cannula and properly dispose the biomedical waste
1					
2					
3					

Date Completed	Attempt at Competency (F/R/Re)	Rating (B/M/E)	Decision of Faculty (C/R/Re)	Initial of Faculty & Date	Feedback Received Initial of Learner with Date



## PE24.17 Perform intraosseous insertion in a model

Minimum number required to certify-2

Perform intraosseous insertion in a model in these following steps

S.no	Identify site for intraosseous insertion in children based on landmarks.	Demonstrate all steps of infection control	Insert the Intraosseous cannula and demonstrate how to check its proper insertion in model	Fix Intraosseous cannula and correctly demonstrate disposal of biomedical waste
1				
2				
3				

Date Completed	Attempt at Competency (F/R/Re)	Rating (B/M/E)	Decision of Faculty (C/R/Re)	Initial of Faculty & Date	Feedback Received Initial of Learner with Date

**PE27.15 Assess airway and breathing: recognize signs of severe respiratory distress. Check for cyanosis, severe chest indrawing, grunting**

Minimum number required to certify- 3

Check for the following signs in a child with respiratory distress

S.no	Respiratory rate	Intercostal retractions	Alae nasi flaring	Drowsiness	Grunt or stridor	Cyanosis
1						
2						
3						

Date Completed	Attempt at Competency (F/R/Re)	Rating (B/M/E)	Decision of Faculty (C/R/Re)	Initial of Faculty & Date	Feedback Received Initial of Learner with Date

**PE27.16 Assess airway and breathing. Demonstrate the method of positioning of an infant & child to open airway in a simulated environment**

Minimum number required to certify- 3

Assess whether the student performs the steps in a correct manner

S.no	Head tilt manoeuvre performed	Chin lift manoeuvre performed	Jaw thrust manoeuvre performed	Remarks of the facilitator
1				
2				
3				

Date Completed	Attempt at Competency (F/R/Re)	Rating (B/M/E)	Decision of Faculty(C/R/Re)	Initial of Faculty & Date	Feedback Received Initial of Learner with Date

**PE27.17 Assess airway and breathing: administer oxygen using correct technique and appropriate flow rate**

Minimum number required to certify- 3

Demonstrate the various methods of administering oxygen and at specific rates

S. no	Head box	Nasal cannula	High flow nasal cannula	Face mask	Non rebreathing mask	Rate of delivery of oxygen
1						
2						
3						

Date Completed	Attempt at Competency (F/R/Re)	Rating (B/M/E)	Decision of Faculty(C/R/Re)	Initial of Faculty & Date	Feedback Received Initial of Learner with Date

**PE27.18 Assess airway and breathing: perform assisted ventilation by Bag and mask in a simulated environment**

Minimum number required to certify- 3

Demonstrate assisted ventilation using bag and mask in a simulated environment

S. no	Chosen the correct size mask	Chosen the correct bag	Head and neck in proper position	Used the correct pressure to inflate	Looked for chest rise	Used the correct rate of ventilation
1						
2						
3						

Date Completed	Attempt at Competency (F/R/Re)	Rating (B/M/E)	Decision of Faculty(C/R/Re)	Initial of Faculty & Date	Feedback Received Initial of Learner with Date

**PE27.19 Check for signs of shock i.e., Pulse, Blood Pressure, Capillary Refill time**

Minimum number required to certify- 3

Check for the signs of shock

S. no	Check for volume of pulse	Check BP	Check for saturation	Check for CRT	Check for skin colour and temperature	Check for sensorium
1						
2						
3						

Date Completed	Attempt at Competency (F/R/Re)	Rating (B/M/E)	Decision of Faculty(C/R/Re)	Initial of Faculty & Date	Feedback Received Initial of Learner with Date

## PE27.21 Choose the type of fluid and calculate the fluid requirement in shock

Minimum number required to certify- 3

Choose appropriate fluid according to different types of shock. Calculate the fluid for managing different types of shock at different age/size of the child.

S.no	Type of shock	Assess weight of child	Choose the appropriate fluid for bolus administration	Calculate the amount of fluid to be administered for bolus and continuation	Remarks
1	Hypovolemic				
2	Septic				
3	Cardiogenic				
4	Obstructive				
5	Burns				

Date Completed	Attempt at Competency (F/R/Re)	Rating (B/M/E)	Decision of Faculty(C/R/Re)	Initial of Faculty & Date	Feedback Received Initial of Learner with Date

**PE27.22 Assess level of consciousness & provide emergency treatment to a child with convulsions/ coma**

Minimum number required to certify- 3

S. no	Assess level of consciousness (Glasgow or AVPU)	Position a child in coma correctly	Position a child with head/spine trauma correctly	Assess ABCD	Demonstrate how to give rectal diazepam	Calculate how much IV diazepam and give it correctly in a manikin	Administer nasal midazolam spray
1							
2							
3							

Date Completed	Attempt at Competency (F/R/Re)	Rating (B/M/E)	Decision of Faculty(C/R/Re)	Initial of Faculty & Date	Feedback Received Initial of Learner with Date



### **PE27.23 Assess for signs of severe dehydration**

Minimum number required to certify- 3

S.no	Thirst	Urine output	Sensorium	Mucus membrane	Skin turgor	Pulse	Blood pressure	AF if open
1								
2								
3								

Date Completed	Attempt at Competency (F/R/Re)	Rating (B/M/E)	Decision of Faculty(C/R/Re)	Initial of Faculty & Date	Feedback Received Initial of Learner with Date

## PE27.28 Provide BLS for children in manikin

Minimum number required to certify- 3

Either a certificate that they have attended a formal BLS course or a modified BLS session has to be attached

S.No	Check for response	Call for help	Check pulse and breathing simultaneously	Start chest compression	Make airway patent and give 2 rescue breaths	Repeat above CPR
1						
2						
3						

Date Completed	Attempt at Competency (F/R/Re)	Rating (B/M/E)	Decision of Faculty(C/R/Re)	Initial of Faculty & Date	Feedback Received Initial of Learner with Date

**SUMMARY OF COMPETENCIES REQUIRING DOCUMENTATION**  
(to be done as part of seminar, demonstration, case presentation)

<b>S.no</b>	<b>Competency no</b>	<b>Competency detail</b>	<b>Minimum No. to be done</b>	<b>T/L method</b>	<b>Date completed</b>	<b>Faculty signature</b>
<b>1</b>	21.9	Identify external markers for Kidney disease, like Failing to thrive, hypertension, pallor, Ichthyosis, anasarca	<b>3</b>			
<b>2</b>	21.10	Analyze symptom and interpret the physical findings and arrive at an appropriate provisional differential diagnosis	<b>3</b>			
<b>3</b>	21.14	Recognize common surgical conditions of the abdomen and genitourinary system and enumerate the indications for referral including acute and subacute intestinal obstruction, appendicitis, pancreatitis, perforation	<b>3</b>			

		intussusception, Phimosi, undescended testis, Chordee, hypospadias, Torsion testis, hernia Hydrocele, Vulval Synechia				
<b>4</b>	21.16	Counsel / educate a patient for referral appropriately	<b>3</b>			
<b>5</b>	23.11	Develop a treatment plan and prescribe appropriate drugs including fluids in cardiac diseases, anti - failure drugs, and inotropic agents	<b>3</b>			

**Competencies requiring documentation  
(To be done as part of IMNCI assessment)**

<b>S. no</b>	<b>Competency no</b>	<b>Competency detail</b>	<b>Minimum No.to be done</b>	<b>Date completed</b>	<b>Faculty signature</b>
<b>1</b>	10.4	Identify children with under nutrition as per IMNCI criteria and plan referral	<b>3</b>		
<b>2</b>	16.2	Assess children <2 months using IMNCI guidelines	<b>3</b>		

<b>3</b>	16.3	Assess children >2 months to 5 years using IMNCI guidelines and stratify risk	<b>3</b>		
<b>4</b>	20.18	Identify and stratify risk in a sick neonate using IMNCI guidelines	<b>3</b>		
<b>5</b>	24.11	Apply the IMNCI guidelines in risk stratification of children with diarrhoeal dehydration and refer	<b>3</b>		
<b>6</b>	28.15	Stratify risk in children with stridor using IMNCI guidelines	<b>3</b>		

**Competencies requiring documentation  
(to be done in a simulated environment)**

<b>S. no</b>	<b>Competency no</b>	<b>Competency detail</b>	<b>Minimum No. to be done</b>	<b>Date completed</b>	<b>Faculty signature</b>
<b>1</b>	18.4	Provide intra-natal care and conduct a normal delivery in a simulated environment	<b>3</b>		
<b>2</b>	19.13	Demonstrate the correct administration of different vaccines in a mannequin	<b>3</b>		

<b>3</b>	20.3	Perform Neonatal resuscitation in a manikin	<b>3</b>		
<b>4</b>	26.10	Demonstrate the technique of liver biopsy in a manikin Perform Liver Biopsy in a simulated environment	<b>2</b>		
<b>5</b>	29.17	Demonstrate performance of bone marrow aspiration in mannequin.	<b>2</b>		

**Competencies requiring documentation**  
(to be done by giving actual blood reports/case scenarios/x-rays/CT/MRI/EEG/ECG reports)

<b>S. no</b>	<b>Competency no</b>	<b>Competency detail</b>	<b>Minimum No. to be done</b>	<b>T/L method</b>	<b>Date completed</b>	<b>Faculty signature</b>
<b>1</b>	21.12	Interpret report of Plain X Ray of KUB	<b>3</b>			
<b>2</b>	21.13	Enumerate the indications for and Interpret the written report of Ultra sonogram of KUB	<b>3</b>			
<b>3</b>	23.12	Interpret a chest X ray and recognize Cardiomegaly	<b>3</b>			

<b>4</b>	23.13	Choose and Interpret blood reports in Cardiac illness	<b>3</b>			
<b>5</b>	23.14	Interpret Pediatric ECG	<b>3</b>			
<b>6</b>	23.15	Use the ECHO reports in management of cases	<b>3</b>			
<b>7</b>	24.13	Interpret RFT and electrolyte report	<b>3</b>			
<b>8</b>	30.20	Interpret and explain the findings in a CSF analysis	<b>3</b>			
<b>9</b>	30.21	Enumerate the indication and discuss the limitations of EEG, CT, MRI	<b>3</b>			
<b>10</b>	30.22	Interpret the reports of EEG, CT, MRI	<b>3</b>			
<b>11</b>	34.9	Interpret blood tests in the context of laboratory evidence for tuberculosis	<b>3</b>			

**AFFECTIVE COMPETENCIES REQUIRING DOCUMENTATION**  
(To be done as part of AETCOM )

<b>S. no</b>	<b>Competency no</b>	<b>Competency detail</b>	<b>Minimum No. to be done</b>	<b>Date completed</b>	<b>Faculty signature</b>
<b>1</b>	23.18	Demonstrate empathy while dealing with children with cardiac diseases in every patient encounter	<b>3</b>		
<b>2</b>	26.13	Counsel and educate patients and their family appropriately on liver diseases	<b>3</b>		
<b>3</b>	27.32	Counsel parents of dangerously ill/ terminally ill child to break a bad news	<b>2</b>		
<b>4</b>	27.33	Obtain Informed Consent	<b>2</b>		
<b>5</b>	27.34	Willing to be a part of the ER team	<b>3</b>		
<b>6</b>	27.35	Attends to emergency calls promptly	<b>3</b>		



## **SELF-DIRECTED LEARNING**

### **List of Self-Directed Learning Topics**

**1.**

**2.**

**3.**

**4.**

**5.**

**6.**

**7.**

**8.**

**9.**

**10.**

**11.**

**12.**

**13.**

**14.**

**15.**

## **SELF-DIRECTED LEARNING:**

**1)**

**Topic:**

**Objectives:**

**Task:**

**Impressions:**

**2)**

**Topic:**

**Objectives:**

**Task:**

**Impressions:**

## INTEGRATED LEARNING

### Summary of integrated learning sessions

S.No	Competency No	Topic	Departments involved	Date

## REFLECTIONS:

**Your thoughts about the procedures requiring certification (any 7 where you committed mistakes)**

Competency no	Competency details	Why I went wrong	Was this exercise useful	Faculty remarks

### Other activities :

1. Participation in departmental activities- children's day, breast feeding week, ORS week, disease specific days (if being celebrated)
2. STS/ college grant project submitted
3. Participation in IAP quiz competition
4. Participation in any research projects/student conference

## CLINIC/FIELD VISITS

S. no	Visit to	Competency no	Competency	Year/Phase	Date completed	Report submitted	Faculty signature
1	Child development unit	3.7	Visit a Child Developmental Unit and Observe its functioning <b>Topic:</b> Developmental delay and cerebral palsy				
2	Child guidance clinic	4.6	Visit to the Child guidance clinic <b>Topic:</b> Scholastic backwardness, learning disabilities, Autism, ADHD				
		5.11	Visit to Child guidance clinic and observe functioning <b>Topic:</b> Common problems related to behaviour				
3	Adolescent clinic	6.11	Visit to the Adolescent clinic				
4	Rural health centre	18.8	Observe the implementation of the program by visiting the Rural Health Center				

5	Immunization clinic	19.10	Observe the handling and storing of vaccines				
		19.11	Document Immunization in an immunization record				
		19.12	Observe the administration of UIP vaccines				
		19.14	Practice Infection control measures and appropriate handling of the sharps				

## NOTES

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