

Neonatology Elective – 2023 Batch MBBS, GMC Thrissur

Duration: 2 weeks

General guidelines

1. All students should report to SNCU (Special Newborn Care Unit) at 8.00am daily.
2. Class time is 8.00 am to 4 pm. Students are allowed to continue beyond 4 pm at SNCU if they are interested.
3. Attendance will be marked in morning and afternoon.
4. 80% attendance is compulsory.
5. Topic discussions / case presentations will be done in morning hours. Students should come prepared for the topic.
6. Observation & documentation – NRP – 15 number
7. LATCH score assessment & documentation – 15 Number
8. Neonatal Respiratory distress documentation – 15 number
9. Basic Life support Training for parents – 5 number
10. Afternoon hours are for observing /performing procedures under supervision.
11. Students should maintain a log book of daily activities. Log book should be verified and get signed by the faculty daily.
12. Students should join the faculty for daily rounds in critical care areas and post natal ward, parents counseling sessions, delivery room, high risk baby follow up clinic etc.
13. Students can also join the academic activities in the Department of Neonatology.
14. Evaluation methods used are DOPS (Direct observation of procedure skills), Mini CEX (Mini Clinical Evaluation Exercise) and 360 degree assessment. This will be done concurrently with training.

Day	Morning discussion topic.	Faculty	Clinics
1	Introduction, Neonate – definitions, classifications Care of Normal newborn , Thermal control		Post natal ward /Labour Room <ul style="list-style-type: none"> ▪ Observe normal attributes of Newborn ▪ Observe Resuscitation -3 ▪ Routine Care of Normal newborn
2	Neonatal resuscitation demonstration, PPV training		Labor room/ EOT <ul style="list-style-type: none"> ▪ Assist to perform NRP ▪ Observe 5 resuscitations
3	Breast feeding and other feeding methods		Post natal ward, MNU, step down ICU. <ul style="list-style-type: none"> ▪ Observe and do LATCH scoring-5 ▪ Perform NG feeding ▪ Observe paladai feeding ▪ Observe Resuscitation –skin to skin contact, delayed cord clamping , early breast feeding
4	Examination of newborn and assess gestation – New Ballard scoring		Post natal ward <ul style="list-style-type: none"> ▪ Prepare discharge card of 5 babies ▪ 5 gestational age assessment
5	Neonatal jaundice ,Newborn		Newborn Screening Room/ Postnatal ward

	screening – MS, pulse oxymetry, OAE , Thyroid		
6	Breast Milk Expression, CLMC, Storage		CLMC, LMU, Post natal ward Observe – 10 expressions, storage, dispensing
7	LBW care / KMC		Level1, MNU, Oct down <ul style="list-style-type: none"> ▪ Counsel regarding thermal protection ▪ KMC observe and initiate ▪ Breast feeding practical problems. ▪ GK feeds
8	BLS -training		10 – BLS training for parents
9	Post discharge follow up		SNCU Clinic / REIC
10	Preterm baby		Critical care area (Level 3) <ul style="list-style-type: none"> ▪ Identify problems of prematurity ▪ ROP screening
11	Sick neonate -Respiratory problems, Sepsis Mini CEX		Level 3 <ul style="list-style-type: none"> ▪ DOWNE Scoring in 5 babies ▪ Newborn x rays ▪ Setting up of CPAP ▪ Ventilator basics ▪ Identify features of Sepsis ▪ Investigations, blood culture ▪ Monitoring a baby in ventilator
11	Assessment		End Posting /
All days	OP GHAI		5 pages/ day
All days	Counseling		<ul style="list-style-type: none"> ▪ How to communicate good and bad news ▪ DOPS
All days	Procedures		<ul style="list-style-type: none"> ▪ Observe / assist : Endotracheal intubation, Umbilical vein catheterization , central line placement ▪ Do: NG tube insertion, Blood sugar monitoring, palada feeding, NG feeding, IV canulation, ▪ DOPS

Dr.Vishnu Anand

Internal preceptor for Neonatology Elective.