



***SNS COLLEGE OF ALLIED HEALTH SCIENCES
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***DEPARTMENT OF OPERATION THEATRE AND
ANAESTHESIA TECHNOLOGY
3rd YEAR***

PAPER 2: PRINCIPLES OF ANAESTHESIA-2

TOPIC: PREPARING THEATRE FOR PEDIATRIC CASE



- *Check the anaesthesia machine*
- *Circuit for children upto 20 kg-Jackson Rees Modification of Ayres T Piece*
- *Perform leak test for Ayres T Piece*
- *Close the valve at the end of reservoir bag*
- *Close the patient end*
- *Fill the bag with fresh gas flow*
- *Ensure there is no leak*
- *Connect the paediatric circuit in the circle system*

- *Airway equipments to be kept ready:*
- *Laryngoscope blade:*
- *Miller 0,1 -New born upto 1 month*
- *Maccintosh-1,2 size blade*



- Face Mask:
- *Rendel Baker Mask*
- *Round Silicon Mask*
- *Anatomical Mask*

- ETT Sizes:
- *Age/3+3.5<6 years*
- *Age/4+4.5>6Years*
- *Length of tube-Age/2+12*
- *Oral Airway*

- Ryles Tube:
- *Neonate-7 feeding tube*
- *Ryles tube(8 months -2 years)*



Lines:

- *Peripheral Line:*

Weight in kg	Cannula Size
<5kg	22,24 G
5-15 kg	22,24 G
15-20 kg	22,20 G

- *Central venous catheterization:*

Weight in kg	Catheter Size	Lumen
<5kg	4,4.5 f	3 l
5-15 kg	5,5.5 f	3 l
>15 kg	7 f	3 l

- *Fluids(1/2 DNS)*
- *Peadiatric set for<10kg*
- *Ultrasound machine(sonasite)-high frequency,linear peadiatric probe*



- *Calculate the length of central line catheter*
- *>100 cm-ht in cm/10-2*
- *<100 cm-ht in cm/10-1*
- *Drugs-Ketamine,Atracurium*
- *Monitoring Cables:*
- *Small ECG cables*
- *Spo2 Probes*
- *Appropriate size NIBP cuff*
- *Etco2*
- *Warming devices-Warming blanket,fluid warmer*



THANK YOU