

Case/History:

Patient	Position	Risks	Key Moments	Preop planning
WEIGHT PBW ((age +4) x 2): Height: Allergies: Post-op disposition:	Shared airway? Airway at risk of tugging? Arms access / inacc Other	Laryngospasm Airway blood Active/Recent URTI Passive smoking Emergence delirium Syndromes OSA MH risk Gastric emptying/fasting Injury-meal interval, pain	D/W surgeon Deep for incision/stimulating parts of procedure	IVC in-situ? Topical LA cream? Premed? Review on ward? Gas vs IV induction

Set up:

OT Set up:	Airway (circle primary)	Airway 2	Emergency Drugs	Regional - Analgesia
Paeds trolley Pumpset Burette Ayres-T piece Adult Circle (>20-30kg) Paed Circle (>5kg) Chair for parent ?position Staff to take parent out	LMA size ETT cuffed 1 up & 1 down avail Special ETT (RAE/reinforc) ETT at lips Blade type/size Paeds CMAC:	Bougie/stylet Size (10 if <5, 14 if >5) In-line suction catheter & OG tube OPA size Throat Pack? Spray cords (1ml/10 kg of 2%) Bite Block Tie/Tape	Adrenaline Atropine Glucose Sux	LA dose: (1ml/kg 0.25% bupivacaine/Adr) Parac 15mg/kg Ibuprofen 10mg/kg Parecoxib 0.5mg/kg Fentanyl Morphine 0.1mg/kg Clonidine (1mcg/kg) Post op PCA?

Intraop:

Jobs in bay	Induction	Maintenance	Fluids	Transfusion
Gain rapport Discuss plan Nebulise	Midaz? Propofol Paralytic: Gas induction On table, On lap Roles, positions Distraction method: N ₂ O %: RSI, ?cricoid, ?relaxant	MV 100ml/kg/min TV 7ml/kg Volatile TIVA (Paedfusor, Kataria) Air/N20	Access type: (pre/post induction): Side: Routine: 10ml/kg Resus: 20ml/kg Maintenance 4-2-1 rule NS / CSL / P'LYTE	Blood volume (70-80ml/kg) G+H: MABL: NB: 4ml/kg raises Hb by 10
Additional drugs	Vitals	Thermoregulation	Extubation	Transfer to PACU
Cephazolin 25mg/kg Dex 0.1-0.4mg/kg Ondansetron 0.1mg/kg	Normal HR for age Normal BP BP target Normal RR	Forced air warmer Type: under (<20kg) upper/lower/full Temp probe Theatre temp	Awake (OSA/spasm risk) Deep Suggam / Neostigmine NGT to empty stomach Supine or lateral Suction (direct vision) Guedel Propofol prior	T-piece or Hudson Propofol/sux in tray Deep or awake SpO2 monitor

RCH - "Acceptable vital signs for unwell children" (5th-95th centile)

AGE	Approximate Weight Kg	Systolic Blood Pressure mmHg	Heart Rate Beats/minute	Respiratory Rate Breaths/minute
Term	3.5	60-105	110-170	25-60
3 months	6	65-115	105-165	25-55
6 months	8	65-115	105-165	25-55
1 year	10	70-120	85-150	20-40
2 years	13	70-120	85-150	20-40
4 years	15	70-120	85-150	20-40
6 years	20	80-130	70-135	16-34
8 years	25	80-130	70-135	16-34
10 years	30	80-130	70-135	16-34
12 years	40	95-140	60-120	14-26
14 years	50	95-140	60-120	14-26
17+ years	70	95-140	60-120	14-26

Airway equipment reference

Age (yrs)	ETT (u = uncuffed)	Blade*	Guedel (mm)	LMA	Suction catheter or NGT (Fr)
Neonate (term)	3-3.5u	Miller 0-1	30-40	1	6
1-6 mo	3.5u	Miller 1	40	1-1.5	6
6-12 mo	4u	Miller 1	50	1.5	8
1-2	4.5u	Miller/MAC	60	2	8
2-4	4-4.5	MAC 2	60	2	8
4-6	4.5-5	MAC 2	60-70	2	8-10
6-8	5-5.5	MAC 2	70-80	2.5	10
9-12	5.5-6	MAC 2-3	80	3	10-12
>14		MAC 3	80-90	3-4	12

*A MAC 3 blade can be used for all children (& older infants if no miller is available)

Emergency + Drugs Reference

Adrenaline (1 in 10,000) Arrest: Anaphylaxis Gr 2: Anaphylaxis Gr 3-4:	10mcg/kg 2mcg/kg 4mcg/kg
Atropine	20mcg/kg
Suxamethonium (IV) Suxamethonium (IM)	2mg/kg 4mg/kg
Propofol	2-5mg/kg
Glucose	1ml/kg of 50% Dextrose 2ml/kg of 10% Dextrose
Lorazepam	0.1mg/kg
Defibrillation Energy	1J / kg (SVT) / 4J / kg (arrest)
Amiodarone	5mg/kg
Magnesium	50mg/kg (max 2g)
Salbutamol	< 6 yo: 6 puffs MDI > 6 yo: 12 puffs MDI

Pre-meds

Midaz PO: 0.5mg/kg, max 20mg (Peak effect 20-30m)
Ketamine PO: 3-5mg/kg
Clonidine PO: 3-4mcg/kg
Atropine PO: 40mcg/kg

Neostigmine Reversal

Neostigmine Glycopyrolate:
 Add 2.5mg neostigmine and 1.2mg atropine
 Make it up to 5ml using saline
 Dose = 1ml for every 10kg

Emergency Doses / Equipment for your patient:

WEIGHT / PBW:

Heuristics for airway Management:

ETT	AGE / 4 + 4 (u) AGE / 4 + 3.5 (c)	Age 5: Size 5 Age 6-9: Size 5.5 Age 10: Size 6
OGT / Suction / Foley	ETT x 2	
Oral ETT Depth	ETT x 3 or (age/2 +12)	
Chest Drain	ETT x 4	