

Supplemental Tables and Figures

Supplemental Table 1. Distribution of patient age and ASA physical status by hospital level and anaesthesia provider

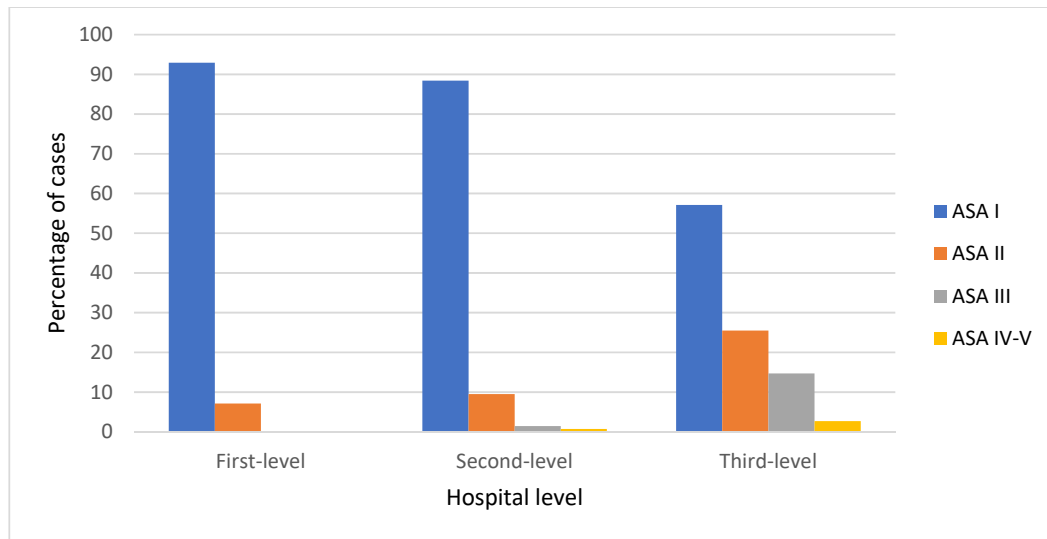
	Hospital level				Most senior anaesthesia provider			
	Overall	First-level (n (%))	Second-level (n (%))	Third-level (n (%))	Overall	Specialist (n (%))	Resident/ MO > 3 years (n (%))	MO < 3 years (n (%))
Number of cases	N=2024	154 (7.6)	424 (20.9)	1446 (71.4)	N=2017	1190 (59.0)	602 (29.8)	225 (11.2)
Age								
Age Mean (SD)	5.86 (4.20)	5.76 (3.16)*	6.14 (4.04)*	5.79 (4.35)*	5.86 (4.20)	5.02 (4.09)**	6.67 (4.03)**	8.17 (3.97)**
ASA physical status	N=2017 (Column %)				N=2017	(Row %)		
I	1339 (66.4)	143 (92.9)	372 (88.4)	824 (57.1)	1339 (66.4)	665 (49.7)	469 (35.0)	205 (15.3)
II	418 (20.7)	11 (7.1)	40 (9.5)	367 (25.5)	418 (20.7)	314 (75.1)	86 (20.6)	18 (4.3)
III	218 (10.8)	0 (0.0)	6 (1.4)	212 (14.7)	218 (10.8)	173 (79.4)	43 (19.7)	2 (0.9)
IV-V	42 (2.1)	0 (0.0)	3 (0.7)	39 (2.7)	42 (2.1)	38 (90.5)	4 (9.5)	0 (0.0)

MO=medical officer; ASA physical status=American Society of Anesthesiologists physical status

* P=0.300 for difference in mean age across hospital levels (not significant)

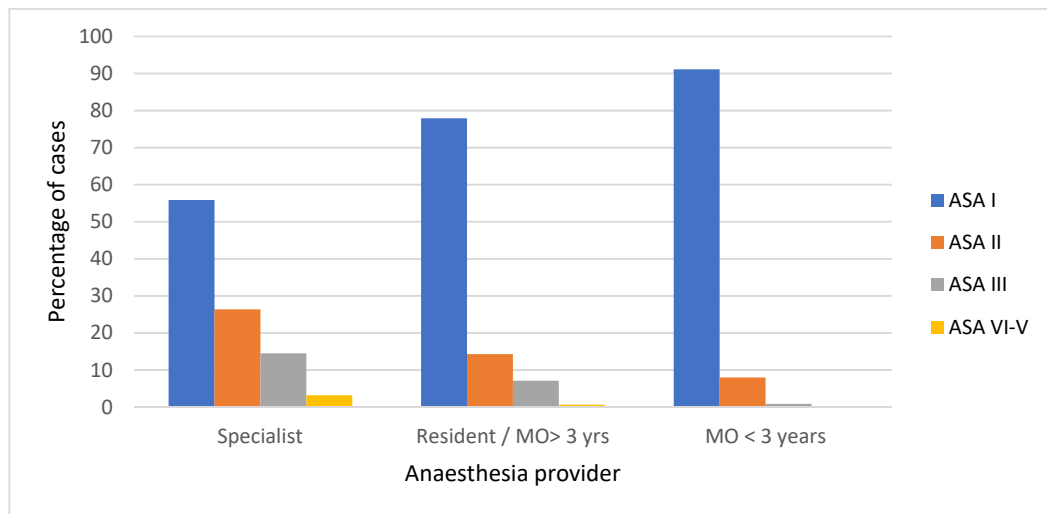
** P <0.001 for difference in mean age across most senior anaesthesia provider (significant)

Supplemental Figure 1. Distribution of patients by ASA physical status and hospital level



ASA physical status / ASA = American Society of Anesthesiologists physical status

Supplemental Figure 2. Distribution of patients by ASA physical status and most senior anaesthesia provider



ASA physical status / ASA = American Society of Anesthesiologists physical status

Supplemental Table 2. Details of patients with perioperative cardiac arrest (n=6)

Patient	Age	ASA physical status	Elective/ Emergency	Preoperative comorbidities/ problems	Surgical grade and type	Severe Anaesthetic Critical incidents	Survived/ Died	Most senior anaesthesiologist	Most senior surgeon
1	4 m	4	Daytime elective	Congenital heart disease, prematurity (28 weeks' gestation), Pulmonary hypertension	Major Cardiac	Difficult BMV Difficult intubation Severe hypoxia Bradycardia	Survived, d/c day 18	Specialist	Specialist
2	21 d	4	Daytime emergency	Trisomy 21, congenital heart disease, duodenal atresia, necrotizing enterocolitis	Major Lower GIT	Bradycardia Severe hypotension Hypothermia	Died, day 3	Specialist	Specialist
3	1 m 5 d	4	Daytime emergency	Congenital heart disease, prematurity (28 weeks' gestation)	Major Cardiac	Cardiac arrest Hypothermia	Died, day 0, in ward	Specialist	Specialist
4	2 m 13 d	3	Daytime emergency	Prematurity (28 weeks' gestation)	Intermediate Other (line insertion)	Severe hypoxia Bradycardia Hypoglycemia	Died, day 8	Specialist	Specialist
5	3 m	4	Daytime elective	Congenital heart disease	Major Cardiac	Severe hypoxia	Survived, d/c day 6	Specialist	Specialist
6	3 m 18 d	2	Daytime elective	None noted	Minor Inguinal hernia	Failed intubation Severe hypoxia	Died, day 0, on operating table	Specialist	Registrar/ MO> 3 years

ASA physical status = American Society of Anesthesiologists physical status; m=month; d=day; M=male; F=female; d/c=discharged; BMV=bag mask ventilation; GIT=gastrointestinal tract; MO=medical office