

Patterns and Correlates of Patient Satisfaction with Peri-operative Anesthesia Care: A Single-center Experience

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Supplementary Table S1: Median LPPSq domain scores by non-significant demographic and clinical variables (N=161)

Variable / Category		Information (Max=20)		Fear & Concern [†] (Max=35)		Staff-Patient Relationship (Max=70)		Overall Satisfaction (Max=125)	
		Median (IQR)	Statistic	Median (IQR)	Statistic	Median (IQR)	Statistic	Median (IQR)	Statistic
Age Group (years)	18–35 (n=78)	20(16–20)	H(2)=1.84, p=0.40	34(31.20–35)	H(2)=0.65, p=0.72	70(57.50–70)	H(2)=1.15, p=0.56	121(105.50–125)	H(2)=2.42, p=0.30
	36–60 (n=63)	20(16–20)		34(33–35)		70(57.50–70)		122(110.50–124)	
	>60 (n=20)	20(16–20)		34.50 (32.80–35)		68(56–70)		118(108.50–123.20)	
Religion [‡]	Hindu (n=155)	20(16–20)	U=553.50, p=0.37	34(32.50–35)	U=576, p=0.30	70 (57–70)	U=544, p=0.42	121(109–124)	U=563.50, p=0.38
	Other (n=6)	18(13.80–20)		34(31–34)		68.50 (57.20–70)		117(106.50–123)	
Departments [§]	Orthopaedics (n=55)	20(16–20)	H(4)=7.90, p=0.10	35(33–35)	H(4)=1.46, p=0.83	70(56–70)	H(4)=8.34, p=0.08	117(104–125)	H(4)=5.09, p=0.28
	OBG (n=38)	20(17–20)		34(32.20–35)		70(66–70)		121(111–124.80)	
	Surgery (n=38)	18(16–20)		34(32–35)		70(56.20–70)		115(107–123.50)	
	Urology (n=24)	20(17.50–20)		34(33–35)		70(70–70)		123(120–124)	
	ENT (n=5)	20(20–20)		34(34–34)		69(59–70)		118(110–124)	
Type of Anesthesia [#]	General (n=63)	20(16–20)	U=3173, p=0.74	34(33–35)	U=3176, p=0.75	70(58.50–70)	U=3040.50, p=0.86	121(109.50–124)	U=3148.50, p=0.83
	Regional (n=98)	20(16–20)		34(32–35)		70(57–70)		121(105.50–125)	
Surgical duration (minutes)	0–60 (n=74)	20(16–20)	H(4)=4.24, p=0.38	34(32–35)	H(4)=2.53, p=0.64	70(60.20–70)	H(4)=6.01, p=0.20	121(109.20–125)	H(4)=9.40, p=0.052
	61–120 (n=59)	20(16–20)		34(32–35)		70(56–70)		114(105–124)	
	121–180 (n=16)	20(19–20)		34(34–35)		70(65–70)		124(115.50–124)	
	181–240 (n=10)	20(18.50–20)		34(34–35)		70(61.50–70)		121(112.20–124)	
	241–360 (n=2)	20(20–20)		34.50 (34.20–34.80)		70(70–70)		124.50 (124.20–124.80)	

H(k) = Kruskal-Wallis test statistic (k = degrees of freedom); U = Mann-Whitney U statistic.

[‡] Other religion category includes Buddhist, Christian, Muslim, and other minority affiliations grouped due to small cell sizes.

[§] One Neurosurgery patient (n=1) excluded from the department-wise comparison due to insufficient group size.

[#] Type of Anesthesia grouping: General = General Anesthesia + Intravenous Anesthesia (IVA); Regional = Spinal (SAB), SAB + Epidural, Nerve/Plexus Block, and SAB + IVA.

Supplementary Table S2: Occurrence, severity and prevalence of adverse peri-operative outcomes (N=161)

Adverse Outcome	Not at all n(%)	A little bit n(%)	Moderately n(%)	Quite a lot n(%)	Extremely n(%)	Median (IQR)	Prevalence (≥1) n(%)
Postoperative Pain	95(59.01%)	37(22.98%)	17(10.56%)	4(2.48%)	8(4.97%)	1(1–2)	66(40.99%)
Sore Throat	142(88.20%)	11(6.83%)	7(4.35%)	1(0.62%)	0	1(1–1)	19(11.80%)
Back Pain	127(78.88%)	24(14.91%)	8(4.97%)	2(1.24%)	0	1(1–1)	34(21.12%)
Vomiting	154(95.65%)	4(2.48%)	2(1.24%)	1(0.62%)	0	1(1–1)	7(4.35%)
Cold	110(68.32%)	45(27.95%)	3(1.86%)	2(1.24%)	1(0.62%)	1(1–2)	51(31.68%)
Hunger	80(49.69%)	65(40.37%)	10(6.21%)	4(2.48%)	2(1.24%)	2(1–2)	81(50.31%)
Thirst*	88(54.66%)	55(34.16%)	12(7.45%)	5(3.11%)	1(0.62%)	1(1–2)	73(45.34%)

* Significant association with anesthesia type [Kruskal-Wallis $H(5)=21.04$, $p=0.001$]

Supplementary Table S3: Spearman rank correlations between adverse outcomes and LPPSq dimensions (N=161)

Adverse Outcome	Information	Fear & Concern†	Staff-Patient Relationship	Overall Total
	rs(p)	rs(p)	rs(p)	rs(p)
Postoperative Pain	−0.37(<0.001)	−0.24(0.002)**	−0.54(<0.001)	−0.50(<0.001)
Sore Throat	−0.22(0.005)**	−0.06(0.47)	−0.30(<0.001)	−0.28(<0.001)
Back Pain	−0.09(0.26)	−0.11(0.16)	−0.31(<0.001)	−0.25(0.001)**
Vomiting	−0.03(0.72)	−0.06(0.44)	−0.14(0.09)	−0.13(0.11)
Cold	+0.16(0.04)*	−0.29(<0.001)	+0.03(0.70)	−0.03(0.67)
Hunger	+0.03(0.67)	−0.43(<0.001)	−0.00(0.97)	−0.13(0.10)
Thirst	−0.03(0.71)	−0.50(<0.001)	−0.09(0.28)	−0.22(0.006)**

† Fear & Concern reverse-scored; negative rs = more discomfort associated with lower satisfaction / more fear.

** $p<0.01$; * $p<0.05$.

Supplementary Table S4: Frequency of binary service quality items (N=161)

Item	YES, n(%)	NO, n(%)
Professional consultation	139(86.34%)	22(13.66%)
Professional competence	145(90.06%)	16(9.94%)
Staff Attention	155(96.27%)	6(3.73%)
Staff Acting as Per Needs	155(96.27%)	6(3.73%)