

Table 1: Demographic data of the study participants

Items	Answers	n	%
Age group	(18 – 29) years old	208	46.4%
	(30 – 44) years old	110	24.6 %
	(45 – 64) years old	110	24.6%
	(Above 65) years old	20	4.5 %
Sex	Female	333	74.3 %
	Male	115	25.7 %
Housing Region	Southern	127	28.3 %
	Eastern	64	14.3 %
	Northern	70	15.6 %
	Western	112	25 %
	Middle	75	16.7 %
Final educational certificate	Primary or less	6	1.3 %
	Bachelor	244	54.5 %
	High school	111	24.8 %
	Diploma	35	7.8 %
	Intermediate studies	33	7.4 %
	Postgraduate studies	19	4.2 %
Occupation	Student	138	30.8 %
	Employer	171	38.2 %
	Non – employer	88	19.6 %
	Retired	38	8.5 %
	Other works	13	2.9 %
Surgical history	No	215	(48 %)
	Yes	233	(52 %)
Anesthesia types	General anesthesia (GA)	108	(46.4 %)
	local anesthesia	26	(11.2 %)
	Regional Anesthesia	53	(22.7 %)
	Combined types or different anesthesia histories	46	(19.7 %)

Table 2: Knowledge about regional anesthesia (Which of the following is considered one type of locoregional anesthesia? & what are the common uses of locoregional anesthesia?)

Items	Answers	no	%
Spinal anesthesia (Local anesthetic injection through a needle commonly used in cesarean section and lower limb surgeries)	False	41	9.2 %
	True	327	73 %
	I do not know	80	17.9 %
Epidural anesthesia (Local anesthetic injection through an attached catheter to the back for painless normal labor and postoperative major surgical care)	False	112	25 %
	True	162	36.2 %
	I do not know	174	38.3 %
Local anesthesia (local anesthetic infiltration of the wound site as dental anesthesia and anesthesia for wound suture	False	39	8.7 %
	True	328	73.2 %
	I do not know	81	18.1 %
Regional blocks (Local anesthetic injection around the nerve at the surgical site for prevention of pain production	False	71	15.8 %
	True	223	49.8 %
	I do not know	154	34.4 %
General anesthesia	False	152	33.9 %
	True	206	46 %
	I do not know	90	20.1 %
cesarean section	False	70	15.6 %
	True	317	70.8 %
	I do not know	61	13.6 %
Appendectomy	False	214	47.8 %
	True	130	29 %
	I do not know	104	23.2 %
Knee and hip surgeries	False	159	35.5 %
	True	170	37.9 %
	I do not know	119	26.6 %
Pain control after normal labor	False	92	20.5 %
	True	266	59.4 %
	I do not know	90	20.1 %

Table 3: Knowledge about regional anesthesia (what are the benefits and possible side effects of locoregional anesthesia compared to general anesthesia?)

Items	Answers	no	%
Complete intraoperative loss of consciousness and memory	False	277	61.8 %
	True	124	27.7 %
	I do not know	47	10.5 %
Rapid recovery and early ambulation	False	76	17 %
	True	295	65.8 %
	I do not know	77	17.2 %
Lower incidence of postoperative nausea and vomiting	False	70	15.6 %
	True	290	64.7 %
	I do not know	88	19.6 %
Suitable for all operation types and any surgical site	False	222	49.6 %
	True	121	27 %
	I do not know	105	23.4 %
Lower incidence of respiratory complications	False	67	15 %
	True	284	63.4 %
	I do not know	97	21.7 %
Greater postoperative pain control	False	111	24.8 %
	True	208	46.4 %
	I do not know	28.8	28.8 %
Transient numbness or weakness	False	27	6 %
	True	352	78.6 %
	I do not know	69	15.4 %
Post-spinal headache	False	100	22.3 %
	True	237	52.9 %
	I do not know	111	24.8 %
Permanent paralysis	False	208	46.4 %
	True	112	25 %
	I do not know	128	28.6 %

Table 4: Which of the following choices do I accept regarding the following statements?

Items	Answers	no	%
Locoregional anesthesia is preferred over general anesthesia if both are available and safe.	Strongly disagree	28	6.3 %
	Disagree	5	1.1 %
	Neutral	62	13.8 %
	Agree	95	21.2 %
	Strongly agree	258	57.6 %
I trust the anesthesiologist's decision to choose the most suitable type of anesthesia for my condition.	Strongly disagree	7	1.6 %
	Disagree	5	1.1 %
	Neutral	60	13.4 %
	Agree	156	34.8 %
	Strongly agree	220	49.1 %
I trust the anesthesiologist's competence when administering locoregional anesthesia.	Strongly disagree	27	6 %
	Disagree	3	0.7 %
	Neutral	98	21.9 %
	Agree	117	26.1 %
	Strongly agree	203	45.3 %
I prefer to be awake during the procedure under locoregional anesthesia.	Strongly disagree	89	19.9 %
	Disagree	34	7.6 %
	Neutral	120	26.8 %
	Agree	91	20.3 %
	Strongly agree	114	25.4 %
Doctors must explain the benefits and risks of locoregional anesthesia in detail before the procedure.	Strongly disagree	22	4.9 %
	Disagree	8	1.8 %
	Neutral	59	13.2 %
	Agree	79	17.6 %
	Strongly agree	280	62.5 %
Locoregional anesthesia is safer than general anesthesia	Strongly disagree	27	6 %
	Disagree	8	1.8 %
	Neutral	134	29.9 %
	Agree	119	26.6 %
	Strongly agree	160	35.7 %
I will choose regional anesthesia in case I need surgery in the future.	Strongly disagree	61	13.6 %
	Disagree	17	3.8 %
	Neutral	139	31 %
	Agree	94	21 %
	Strongly agree	137	30.6 %

Table 5: What might make you hesitant to accept locoregional local anesthesia?

Answers	no	%
Fear of the needle	37	8.3 %
Fear of paralysis	45	10 %
The desire not to see or hear the events of the operation	142	31.7 %
Fear of anesthesia failure	49	10.9 %
Combined the two causes	101	22.5 %
Combined three causes	46	10.3 %
The whole causes	28	6.3 %

Table 6: Evaluation of the adequacy of information and knowledge related to spinal anesthesia across demographic data.

	items	Which of the following is considered one type of locoregional anesthesia?) Spinal anesthesia (Local anesthetic injection through a needle commonly used in cesarean section and lower limb surgeries)						P
		False		True		I do not know		
		no.	%	no.	%	no.	%	
Age	(18 – 29) years old	23	56.1	148	45	37	46	0.484
	(30 – 44) years old	7	17.1	80	24.5	23	28.8	
	(45 – 64) years old	10	24.4	81	24.8	19	23.8	
	(Above 65) years old	1	2.4	18	5.7	1	1.4	
Sex	Female	27	65.85	239	73.1	67	83.75	0.063
	Male	14	34.15	88	26.9	13	16.25	
Housing Region	Southern	10	24.4	84	25.7	33	41	0.021*
	Eastern	3	7.3	54	16.5	7	8.7	
	Northern	9	22	56	17	5	6.2	
	Western	10	24.4	78	23.9	24	30	
	Middle	9	21.9	55	16.9	11	14.1	
Final educational certificate	Primary or less	1	2.4	5	1.5	0	0	0.095
	Bachelor	18	44	176	53.8	50	62.5	
	High school	17	41.5	77	23.5	17	21.25	
	Diploma	3	7.3	25	7.6	7	8.75	
	Intermediate studies	2	4.8	17	5.2	0	0	
	Postgraduate studies	0	0	27	8.4	6	7.5	
Occupation	Student	18	43.9	95	29	25	31.25	0.286
	Employer	11	26.8	132	40.4	28	35	
	Non – employer	11	26.8	62	18.9	15	18.75	
	Retired	1	2.5	28	8.6	9	11.25	
	Other works	0	0	10	3.1	3	3.75	
Surgical history	No	20	48.8	152	46.5	43	53.75	0.504
	Yes	21	51.2	175	53.5	37	46.25	
Anesthesia types	General anesthesia	13	61.9	69	39.4	26	70.3	0.003*
	local anesthesia	1	4.8	25	14.4	0	0	
	Regional Anesthesia	4	19	49	28	0	0	

	Combined types or different anesthesia histories	3	14.3	32	18.2	9	24.3	
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Table 7: Evaluation of the adequacy of information and knowledge related to epidural anesthesia across demographic data.

	items	Which of the following is considered one type of locoregional anesthesia?) Epidural anesthesia (Local anesthetic injection through an attached catheter to the back for painless normal labor and postoperative major surgical care)						P
		False		True		I do not know		
		no.	%	no.	%	no.	%	
Age	(18 – 29) years old	36	32.1	91	56.3	81	46.6	< 0.0001*
	(30 – 44) years old	33	29.5	29	17.9	48	27.6	
	(45 – 64) years old	33	29.5	34	20.9	43	24.7	
	(Above 65) years old	10	8.9	8	4.9	2	1.1	
Sex	Female	72	64.3	119	73.5	142	81.3	0.004*
	Male	40	35.7	43	26.5	32	18.7	
Housing Region	Southern	16	14.3	50	30.9	61	35.1	< 0.0001*
	Eastern	22	19.6	26	16	16	9.2	
	Northern	46	41.1	9	5.6	15	8.6	
	Western	18	16.1	42	26	52	29.9	
	Middle	10	8.9	35	21.5	30	17.2	
Final educational certificate	Primary or less	3	2.7	2	1.2	1	0.6	< 0.0001*
	Bachelor	41	36.6	91	56.2	112	64.4	
	High school	36	32.1	40	24.7	35	20.1	
	Diploma	10	8.9	14	8.6	11	6.3	
	Intermediate studies	13	11.6	3	1.9	3	1.7	
	Postgraduate studies	9	8.1	12	7.4	12	6.9	
Occupation	Student	22	19.6	63	38.9	53	30.5	0.007*
	Employer	40	35.7	63	38.9	68	39.1	
	Non – employer	31	27.7	22	13.6	35	20.1	
	Retired	16	14.3	10	6.2	12	6.9	
	Other works	3	2.7	4	2.4	6	3.4	
Surgical history	No	39	34.8	81	50	95	54.6	0.004*
	Yes	73	65.2	81	50	79	44.4	

Anesthesia types	General anesthesia	27	37	40	49.4	41	51.9	< 0.0001*
	local anesthesia	12	16.4	11	13.6	3	3.8	
	Regional Anesthesia	27	37	11	13.6	15	19	
	Combined types or different anesthesia histories	7	9.6	18	23.4	20	25.3	

Table 8: Evaluation of the adequacy of information and knowledge related to local anesthesia across demographic data.

	items	Which of the following is considered one type of locoregional anesthesia?) Local anesthesia (local anesthetic infiltration of the wound site as dental anesthesia and anesthesia for wound suture						P
		False		True		I do not know		
		no.	%	no.	%	no.	%	
Age	(18 – 29) years old	17	43.6	162	49.4	29	35.8	0.006*
	(30 – 44) years old	9	23.1	74	22.6	27	33.3	
	(45 – 64) years old	7	17.9	81	24.7	22	27.2	
	(Above 65) years old	6	15.4	11	3.3	3	3.7	
Sex	Female	28	71.8	242	73.8	63	77.8	0.704
	Male	11	28.2	86	26.2	18	22.2	
Housing Region	Southern	12	30.8	96	29.3	19	23.5	0.016*
	Eastern	8	20.5	35	10.7	21	26	
	Northern	5	12.8	52	15.9	13	16	
	Western	5	12.8	92	28	15	18.5	
	Middle	9	23.1	53	16.1	13	16	
Final educational certificate	Primary or less	1	2.6	5	1.5	0	0	0.012*
	Bachelor	20	51.3	190	57.9	34	42	
	High school	12	30.7	78	23.8	21	25.9	
	Diploma	2	5.1	21	6.5	12	14.8	
	Intermediate studies	3	7.7	8	2.4	8	9.9	
	Postgraduate studies	1	2.6	26	7.9	6	7.4	
Occupation	Student	11	28.2	110	33.6	17	21	0.155
	Employer	16	41	127	38.7	28	34.6	
	Non – employer	6	15.4	61	18.6	21	25.9	
	Retired	4	10.3	23	7	11	13.6	
	Other works	2	5.1	7	2.1	4	4.9	
Surgical history	No	19	48.7	158	48.2	38	46.9	0.975
	Yes	20	51.3	170	51.8	43	53.1	
	General anesthesia	6	0.3	80	47	22	51.2	0.51

Anesthesia types	local anesthesia	3	0.15	18	10.6	5	11.6	
	Regional Anesthesia	5	0.25	36	21.2	12	27.9	
	Combined types or different anesthesia histories	6	0.3	36	21.2	4	9.3	

Table 9: Evaluation of the adequacy of information and knowledge related to regional blocks across demographic data.

	items	Which of the following is considered one type of locoregional anesthesia?) Regional blocks (Local anesthetic injection around the nerve at the surgical site for prevention of pain production						P
		False		True		I do not know		
		no.	%	no.	%	no.	%	
Age	(18 – 29) years old	24	33.8	125	56	59	38.3	< 0.0001*
	(30 – 44) years old	19	26.7	40	17.9	51	33.1	
	(45 – 64) years old	21	29.6	53	23.8	36	23.4	
	(Above 65) years old	7	9.9	5	2.2	8	5.2	
Sex	Female	49	69	162	72.6	122	79.2	0.191
	Male	22	31	61	27.4	32	20.8	
Housing Region	Southern	20	28.2	59	26.5	48	31.2	< 0.0001*
	Eastern	11	15.5	30	13.5	23	14.9	
	Northern	25	35.2	20	8.9	25	16.2	
	Western	8	11.3	64	28.7	40	26	
	Middle	7	9.9	50	22.4	18	11.7	
Final educational certificate	Primary or less	2	2.8	2	0.9	2	1.3	0.02*
	Bachelor	26	36.6	136	60.9	82	53.2	
	High school	21	29.6	53	23.8	37	24	
	Diploma	8	11.3	11	4.9	16	10.4	
	Intermediate studies	7	9.85	5	2.2	7	4.5	
	Postgraduate studies	7	9.85	16	7.3	10	6.5	
Occupation	Student	19	26.8	83	37.2	36	23.4	0.03*
	Employer	22	30.9	87	39	62	40.2	
	Non – employer	21	29.6	31	13.9	36	23.4	
	Retired	7	9.9	17	7.6	14	9.1	
	Other works	2	2.8	5	2.5	6	3.9	
Surgical history	No	29	40.8	111	49.8	75	48.7	0.413
	Yes	42	59.2	112	50.2	79	51.3	
	General anesthesia	18	42.8	54	48.2	36	45.6	0.187

Anesthesia types	local anesthesia	7	16.7	15	13.4	4	5	
	Regional Anesthesia	12	28.6	20	17.9	21	26.6	
	Combined types or different anesthesia histories	6	11.9	23	20.5	18	22.8	

Table 10: Evaluation of the adequacy of information and knowledge related to general anesthesia across demographic data.

	items	Which of the following is considered one type of locoregional anesthesia?) General anesthesia						P
		False		True		I do not know		
		no.	%	no.	%	no.	%	
Age	(18 – 29) years old	87	57.2	81	39.3	40	44.4	0.011*
	(30 – 44) years old	25	16.4	58	28.1	27	30	
	(45 – 64) years old	32	21	60	29.1	18	20	
	(Above 65) years old	8	5.4	7	3.5	5	6.4	
Sex	Female	97	63.8	168	81.5	68	75.6	0.001*
	Male	55	36.2	38	18.5	22	24.4	
Housing Region	Southern	30	19.7	69	33.5	28	31.1	0.001*
	Eastern	27	17.8	22	10.7	15	16.7	
	Northern	34	22.4	24	11.6	12	13.3	
	Western	31	20.1	64	31.1	17	18.9	
	Middle	30	20	27	13.1	18	20	
Final educational certificate	Primary or less	3	1.9	1	0.5	2	2.2	0.008*
	Bachelor	66	43.4	128	62.1	50	55.6	
	High school	47	30.9	43	20.9	21	23.3	
	Diploma	13	8.6	11	5.3	11	12.2	
	Intermediate studies	12	7.9	6	2.9	1	1.1	
	Postgraduate studies	11	7.3	17	8.3	5	5.6	
Occupation	Student	53	34.9	57	27.7	28	31.1	0.125
	Employer	54	35.5	92	44.7	25	27.8	
	Non – employer	31	20.4	32	15.5	25	27.8	
	Retired	11	7.2	18	8.7	9	10	
	Other works	3	2	7	3.4	3	3.3	
Surgical history	No	75	49.3	90	43.7	50	55.6	0.157
	Yes	77	50.7	116	56.3	40	44.4	
Anesthesia types	General anesthesia	28	36.4	64	55.2	16	40	0.01*
	local anesthesia	12	15.6	11	9.5	3	7.5	
	Regional Anesthesia	3	3.9	0	0	0	0	

	Combined types or different anesthesia histories	34	44.1	41	35.3	21	52.5	
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Table 11: Evaluation of the adequacy of information and knowledge related to the common uses of regional anesthesia in cesarean section across demographic data.

	items	What are the common uses of locoregional anesthesia? cesarean section						P
		False		True		I do not know		
		no.	%	no.	%	no.	%	
Age	(18 – 29) years old	38	54.3	128	40.4	42	68.9	0.001*
	(30 – 44) years old	13	18.6	85	26.8	12	19.7	
	(45 – 64) years old	18	25.7	85	26.8	7	11.5	
	(Above 65) years old	1	1.4	19	6	0	0	
Sex	Female	42	60	241	76	50	81.9	0.007*
	Male	28	40	76	34	11	18.1	
Housing Region	Southern	19	27.1	82	25.9	26	42.6	0.035*
	Eastern	6	8.6	50	15.8	8	13.1	
	Northern	13	18.6	52	16.4	5	8.2	
	Western	15	21.4	87	27.4	10	16.4	
	Middle	17	24.3	46	14.5	12	19.7	
Final educational certificate	Primary or less	1	1.4	5	1.6	0	0	0.578
	Bachelor	35	50	171	53.9	38	62.3	
	High school	20	28.6	74	23.3	17	27.9	
	Diploma	4	5.7	28	8.8	3	4.9	
	Intermediate studies	3	4.3	23	7.3	0	0	
	Postgraduate studies	7	10	16	5.1	3	4.9	
Occupation	Student	26	37.1	80	25.2	32	52.5	0.001*
	Employer	29	41.5	129	40.7	13	21.3	
	Non – employer	8	11.4	68	21.5	12	19.6	
	Retired	7	10	27	8.5	4	6.6	
	Other works	0	0	13	4.1	0	0	
Surgical history	No	38	54.3	138	43.5	39	63.9	0.007*
	Yes	32	45.7	179	55.5	22	36.1	
Anesthesia types	General anesthesia	15	46.9	83	46.4	10	45.5	0.049*
	local anesthesia	6	18.7	18	10.1	2	9.1	
	Regional Anesthesia	7	21.9	45	25.1	1	4.5	

	Combined types or different anesthesia histories	4	12.5	33	18.4	9	40.9	
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Table 12: Evaluation of the adequacy of information and knowledge related to the common uses of regional anesthesia in appendectomy across demographic data.

	items	What are the common uses of locoregional anesthesia? Appendectomy						P
		False		True		I do not know		
		no.	%	no.	%	no.	%	
Age	(18 – 29) years old	95	44.4	60	46.2	53	50.9	0.739
	(30 – 44) years old	54	25.2	30	23.1	26	25	
	(45 – 64) years old	55	25.7	32	24.6	23	22.1	
	(Above 65) years old	10	4.7	8	6.1	2	2	
Sex	Female	148	69.2	98	75.4	87	83.7	0.02*
	Male	66	30.8	32	24.6	17	16.3	
Housing Region	Southern	48	22.4	40	30.8	39	37.5	0.001*
	Eastern	19	8.9	26	20	19	18.3	
	Northern	46	21.5	16	12.3	8	7.7	
	Western	62	29	27	20.7	23	22.1	
	Middle	39	18.2	21	16.2	15	14.4	
Final educational certificate	Primary or less	1	0.5	4	3.2	1	0.9	0.254
	Bachelor	119	55.6	64	49.2	61	58.7	
	High school	48	22.4	35	26.9	28	26.9	
	Diploma	21	9.8	9	6.9	5	4.8	
	Intermediate studies	8	3.7	9	6.9	2	1.9	
	Postgraduate studies	17	8	9	6.9	7	6.8	
Occupation	Student	63	29.4	37	28.5	38	36.5	0.833
	Employer	84	39.3	49	37.7	38	36.5	
	Non – employer	42	19.6	42	32.3	19	18.3	
	Retired	20	9.3	11	8.5	7	6.7	
	Other works	5	2.4	6	7	2	2	
Surgical history	No	89	41.6	73	56.2	53	50.9	0.025*
	Yes	125	58.4	57	43.8	51	48.1	
Anesthesia types	General anesthesia	65	52	23	40.4	20	39.2	0.121
	local anesthesia	17	13.6	4	7	5	9.8	
	Regional Anesthesia	25	20	17	29.8	11	21.6	

	Combined types or different anesthesia histories	18	14.4	13	22.8	15	29.4	
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Table 13: Evaluation of the adequacy of information and knowledge related to the common uses of regional anesthesia in Knee and hip surgeries across demographic data.

	items	What are the common uses of locoregional anesthesia? Knee and hip surgeries						P
		False		True		I do not know		
		no.	%	no.	%	no.	%	
Age	(18 – 29) years old	61	38.4	88	51.8	59	490.6	0.143
	(30 – 44) years old	40	25.2	42	24.7	28	23.5	
	(45 – 64) years old	51	32.1	33	19.4	26	21.8	
	(Above 65) years old	7	4.3	7	4.1	6	5.1	
Sex	Female	122	76.7	116	68.2	95	79.8	0.059
	Male	37	23.3	54	31.8	24	20.2	
Housing Region	Southern	33	22	53	31.2	41	34.5	0.011*
	Eastern	26	17.3	14	8.2	24	20.2	
	Northern	27	18	28	16.5	15	12.6	
	Western	49	32.7	42	24.7	21	17.6	
	Middle	24	10	33	19.4	18	15.1	
Final educational certificate	Primary or less	3	2	3	1.8	0	0	0.224
	Bachelor	85	56.7	94	55.3	65	54.6	
	High school	35	23.3	41	24.1	35	29.4	
	Diploma	11	7.3	17	10	7	5.9	
	Intermediate studies	12	8	5	2.9	2	1.7	
	Postgraduate studies	13	2.7	10	5.9	10	8.4	
Occupation	Student	34	21.4	58	34.1	46	37.8	0.001*
	Employer	63	39.6	71	41.8	37	31.1	
	Non – employer	32	20.1	26	15.3	30	25.2	
	Retired	22	13.8	11	6.5	5	4.2	
	Other works	8	5.1	4	2.4	1	1.7	
Surgical history	No	71	44.7	82	48.2	62	52.1	0.468
	Yes	88	55.3	88	51.8	57	47.9	
Anesthesia types	General anesthesia	40	45.5	43	48.9	25	43.9	0.725
	local anesthesia	8	9.1	13	14.8	5	5.8	
	Regional Anesthesia	20	22.7	18	20.5	15	26.3	

	Combined types or different anesthesia histories	20	22.7	14	15.9	12	21.1	
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Table 14: Evaluation of the adequacy of information and knowledge related to the common uses of regional anesthesia in Pain control after normal labor across demographic data.

	items	What are the common uses of locoregional anesthesia? Pain control after normal labor						P
		False		True		I do not know		
		no.	%	no.	%	no.	%	
Age	(18 – 29) years old	32	34.8	127	47.7	49	54.5	0.007*
	(30 – 44) years old	28	30.4	59	22.2	23	25.6	
	(45 – 64) years old	23	25	73	27.4	14	15.5	
	(Above 65) years old	9	9.8	7	2.6	4	4.4	
Sex	Female	58	63	209	78.6	66	73.3	0.013*
	Male	34	37	57	21.4	24	26.7	
Housing Region	Southern	19	20.7	79	29.7	29	32.2	< 0.0001*
	Eastern	14	15.2	29	10.9	21	23.3	
	Northern	34	37	26	9.8	10	11.1	
	Western	13	14.1	85	31.9	14	15.6	
	Middle	12	13	47	17.7	16	17.8	
Final educational certificate	Primary or less	3	3.3	2	0.75	1	1.1	< 0.0001*
	Bachelor	31	33.7	168	63.2	45	50	
	High school	28	30.4	57	21.9	26	28.9	
	Diploma	12	13	18	6.8	5	5.6	
	Intermediate studies	10	10.9	3	1.1	6	6.7	
	Postgraduate studies	8	8.7	18	6.8	7	7.8	
Occupation	Student	20	21.7	81	30.5	37	41.1	0.165
	Employer	36	39.1	107	40.2	28	31.1	
	Non – employer	23	25	47	17.7	18	20	
	Retired	11	12	22	8.3	5	5.6	
	Other works	2	2.2	9	3.4	2	2.2	
Surgical history	No	46	50	115	43.2	54	60	0.021*
	Yes	46	50	151	56.8	36	40	
Anesthesia types	General anesthesia	17	37	75	49.7	16	44.4	0.002*
	local anesthesia	5	10.9	18	11.9	3	8.3	

	Regional Anesthesia	21	45.7	26	17.2	6	16.7	
	Combined types or different anesthesia histories	3	6.5	32	21.2	12	33.3	