

Appendix V – Patient demographics, healthcare related, procedure related and comorbidity related variables (Chi-square and t-test for categorical and continuous variables, respectively) by liposomal bupivacaine use in patients receiving a peripheral nerve block and neuraxial anesthesia.

	Use of liposomal bupivacaine		P-value
	Yes (n=538) n (%)	No (n=8,232) n (%)	
<b>PATIENT DEMOGRAPHICS</b>			
<i>Age(years) (median (IQR))</i>	67 (61-74)	67 (60-73)	0.8222
<i>Sex</i>			0.8794
Female	325 (60.4)	5,000 (60.7)	
Male	213 (39.6)	3,232 (39.3)	
<i>Race / Ethnicity</i>			<0.0001
White	493 (91.6)	5,641 (68.5)	
Black	32 (5.9)	212 (2.6)	
Other	13 (2.4)	2,379 (28.9)	
<b>COMORBIDITY RELATED</b>			
<i>Charlson-Deyo Comorbidity Index</i>			0.5819
0	380 (70.6)	6,027 (73.2)	
1	114 (21.2)	1,556 (18.9)	
2	30 (5.6)	432 (5.2)	
2+	14 (2.6)	217 (2.6)	
<i>Substance Use/Abuse</i>	45 (8.4)	587 (7.1)	0.2837
<i>Pain Conditions</i>	92 (17.1)	1,278 (15.5)	0.3294
<i>Psychiatric Conditions</i>	116 (21.6)	1,720 (20.9)	0.7125
<b>PROCEDURE RELATED</b>			
<i>Year of Procedure</i>			<0.0001
2013	8 (1.5)	2,601 (31.6)	
2014	39 (7.2)	2,036 (24.7)	
2015	182 (33.8)	1,645 (20.0)	
2016	309 (57.4)	1,950 (23.7)	
<i>NSAIDs Use</i>	326 (60.6)	4,674 (56.8)	0.0832
<i>Cox-2 Inhibitors Use</i>	300 (55.8)	3,110 (37.8)	<0.0001
<i>Ketamine Use</i>	74 (13.8)	539 (6.5)	<0.0001
<i>Gabapentinoids Use</i>	269 (50.0)	2,358 (28.6)	<0.0001
<i>IV Acetaminophen Use</i>	110 (20.4)	1,050 (12.8)	<0.0001
<i>Patient Controlled Analgesia Use</i>	3 (0.6)	1,294 (15.7)	<0.0001
<b>HEALTHCARE RELATED</b>			
<i>Insurance Type</i>			0.0520
Commercial	170 (31.6)	3,045 (37.0)	
Medicaid	14 (2.6)	233 (2.8)	
Medicare	340 (63.2)	4,700 (57.1)	
Uninsured	3 (0.6)	25 (0.3)	
Unknown	11 (2.0)	229 (2.8)	
<i>Hospital Location</i>			<0.0001
Rural	25 (4.6)	3,236 (39.3)	
Urban	513 (95.4)	4,996 (60.7)	
<i>Hospital Size</i>			<0.0001
<300 beds	419 (77.9)	4,926 (59.8)	
300-499 beds	88 (16.4)	2,375 (28.9)	
≥500 beds	31 (5.8)	931 (11.3)	
<i>Hospital Teaching Status</i>			0.9682
Non-Teaching	471 (87.5)	7,202 (87.5)	
Teaching	67 (12.5)	1,030 (12.5)	
<i>Annual Total Knee Arthroplasties per Hospital (median (IQR))</i>	333 (160-435)	331 (219-588)	<0.0001

IQR: Interquartile range

OME: Oral morphine equivalents

NSAIDs: Nonsteroidal antiinflammatory drugs

Cox-2: Cyclooxygenase-2