

**Supplementary Table 1 Search strategy and results of PubMed database**

Search number	Query	Search Details	Results
1	(breast surgery) AND (paravertebral block)	("breast"[MeSH Terms] OR "breast"[All Fields] OR "breasts"[All Fields] OR "breast s"[All Fields]) AND ("surgery"[MeSH Subheading] OR "surgery"[All Fields] OR "surgical procedures, operative"[MeSH Terms] OR ("surgical"[All Fields] AND "procedures"[All Fields] AND "operative"[All Fields]) OR "operative surgical procedures"[All Fields] OR "general surgery"[MeSH Terms] OR ("general"[All Fields] AND "surgery"[All Fields]) OR "general surgery"[All Fields] OR "surgery s"[All Fields] OR "surgerys"[All Fields] OR "surgeries"[All Fields]) AND (("paravertebral"[All Fields] OR "paravertebrally"[All Fields]) AND ("block"[All Fields] OR "blocked"[All Fields] OR "blocking"[All Fields] OR "blockings"[All Fields] OR "blocks"[All Fields]))	267
2	(mastectomy) AND (paravertebral block)	("mastectomy"[MeSH Terms] OR "mastectomy"[All Fields] OR "mastectomies"[All Fields] OR "mastectomy, simple"[MeSH Terms] OR ("mastectomy"[All Fields] AND "simple"[All Fields]) OR "simple mastectomy"[All Fields]) AND (("paravertebral"[All Fields] OR "paravertebrally"[All Fields]) AND ("block"[All Fields] OR "blocked"[All Fields] OR "blocking"[All Fields] OR "blockings"[All Fields] OR "blocks"[All Fields]))	168
3	(opioid) AND (paravertebral block)	("analgesics opioid"[Pharmacological Action] OR "analgesics, opioid"[MeSH Terms] OR ("analgesics"[All Fields] AND "opioid"[All Fields]) OR "opioid analgesics"[All Fields] OR "opioid"[All Fields] OR "opioids"[All Fields] OR "opioid s"[All Fields]) AND (("paravertebral"[All Fields] OR "paravertebrally"[All Fields]) AND ("block"[All Fields] OR "blocked"[All Fields] OR "blocking"[All Fields] OR "blockings"[All Fields] OR "blocks"[All Fields]))	343
4	(morphine) AND (paravertebral block)	("morphine derivatives"[MeSH Terms] OR ("morphine"[All Fields] AND "derivatives"[All Fields]) OR "morphine derivatives"[All Fields] OR "morphines"[All Fields] OR "morphine"[MeSH Terms] OR "morphine"[All Fields] OR "morphin"[All Fields] OR "morphine s"[All Fields] OR "morphinic"[All Fields]) AND (("paravertebral"[All Fields] OR "paravertebrally"[All Fields]) AND ("block"[All Fields] OR "blocked"[All Fields] OR "blocking"[All Fields] OR "blockings"[All Fields] OR "blocks"[All Fields]))	173
5	(fentanyl) AND (paravertebral block)	("fentanyl"[MeSH Terms] OR "fentanyl"[All Fields] OR "fentanyls"[All Fields] OR "fentanyl s"[All Fields]) AND (("paravertebral"[All Fields] OR "paravertebrally"[All Fields]) AND ("block"[All Fields] OR "blocked"[All Fields] OR "blocking"[All Fields] OR "blockings"[All Fields] OR "blocks"[All Fields]))	112
6	(nalbuphine) AND (paravertebral block)	("nalbuphine"[MeSH Terms] OR "nalbuphine"[All Fields] OR "nalbuphin"[All Fields]) AND (("paravertebral"[All Fields] OR "paravertebrally"[All Fields]) AND ("block"[All Fields] OR "blocked"[All Fields] OR "blocking"[All Fields] OR "blockings"[All Fields] OR "blocks"[All Fields]))	1
7	(buprenorphine) AND (paravertebral block)	("buprenorphin"[All Fields] OR "buprenorphine"[MeSH Terms] OR "buprenorphine"[All Fields] OR "buprenorphine s"[All Fields]) AND (("paravertebral"[All Fields] OR "paravertebrally"[All Fields]) AND ("block"[All Fields] OR "blocked"[All Fields] OR "blocking"[All Fields] OR "blockings"[All Fields] OR "blocks"[All Fields]))	2

8	(tramadol) AND (paravertebral block)	("tramadol"[MeSH Terms] OR "tramadol"[All Fields] OR "tramadol s"[All Fields] OR "tramadole"[All Fields]) AND (("paravertebral"[All Fields] OR "paravertebrally"[All Fields]) AND ("block"[All Fields] OR "blocked"[All Fields] OR "blocking"[All Fields] OR "blockings"[All Fields] OR "blocks"[All Fields]))	25
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