**Supplemental file 1: PubMed search strategy**

(("laparoscopy"[MeSH Terms] OR "laparoscopy"[All Fields] OR "laparoscopic"[All Fields] OR "surgery"[All Fields]) AND ("dexamethasone"[MeSH Terms] OR "dexamethasone"[All Fields]) AND ("ondansetron"[MeSH Terms] OR "ondansetron"[All Fields])) OR ("granisetron"[MeSH Terms] OR "granisetron"[All Fields]) OR ("dolasetron"[MeSH Terms] OR "dolasetron"[All Fields]) OR ("tropisetron"[MeSH Terms] OR "tropisetron"[All Fields])OR ("palonosetron"[Supplementary Concept] OR "palonosetron"[All Fields]) OR ("ramosetron"[Supplementary Concept] OR "ramosetron"[All Fields]) OR (antiserotonin[All Fields] AND ("postoperative period"[MeSH Terms] OR ("postoperative"[All Fields] AND "period"[All Fields]) OR "postoperative period"[All Fields] OR "postoperative"[All Fields]) AND ("nausea"[MeSH Terms] OR "nausea"[All Fields]) AND ("vomiting"[MeSH Terms] OR "vomiting"[All Fields])) OR ("postoperative nausea and vomiting"[MeSH Terms] OR ("postoperative"[All Fields] AND "nausea"[All Fields] AND "vomiting"[All Fields]) OR "postoperative nausea and vomiting"[All Fields] OR "ponv"[All Fields])