

Supplement 1

Embase

('chronic pain'/exp OR (((chronic* OR constant* OR continu* OR persist* OR longterm OR long-term OR longstanding OR long-standing OR longlasting OR long-lasting OR phantom) NEAR/6 (pain* OR discomfort* OR complaint*)):ti,ab,kw)) AND ('postoperative pain'/exp OR (((postoperative OR posttreatment OR postsurg*) NEAR/6 (pain* OR analgesi*)) OR ((post OR after OR follow*) NEAR/3 (surg* OR operat* OR treat* OR resect* OR transplant*) NEAR/6 (pain* OR analgesi*)) OR ((post* NEAR/1 pain*)) OR pain-relief-after OR ((post-extraction OR postextraction OR amputat* OR mediastinoscopy OR sternotomy OR thoracoplasty OR thoracoscopy OR thoracostomy OR thoracotomy OR thoracocentesis OR thymectomy OR tracheostomy OR tracheotomy OR bronchoscopy OR pneumonolysis OR pneumonectomy OR esophagectomy OR oesophagectomy OR postmediastinoscop* OR poststernotom* OR postthoracoplast* OR postthoracoscop* OR postthoracostom* OR postthoracotom* OR postthoracocentesis OR postthymectom* OR posttracheostom* OR posttracheotom* OR postbronchoscop* OR postpneumonolysis OR postpneumonectom* OR postesophagectom* OR postoesophagectom* OR postlobectom*) NEAR/6 (pain* OR discomfort OR analgesi*)):ti,ab,kw) AND (('thorax surgery'/exp NOT 'heart surgery'/exp) OR 'lung tumor'/exp/dm_su OR (((thora* OR lung OR pulmonary OR esophag* OR oesophag* OR trachea* OR rib OR thym* OR chest OR pleura*) NEAR/6 (surg* OR operat* OR resect*)) OR mediastinoscop* OR sternotom* OR thoracoplast* OR thoracoscop* OR thoracostom* OR thoracotom* OR thoracocentesis OR thymectom* OR tracheostom* OR tracheotom* OR bronchoscop* OR pneumonolysis OR pneumonectom* OR esophagectom* OR oesophagectom* OR lobectom* OR postmediastinoscop* OR poststernotom* OR postthoracoplast* OR postthoracoscop* OR postthoracostom* OR postthoracotom* OR postthoracocentesis OR postthymectom* OR posttracheostom* OR posttracheotom* OR postbronchoscop* OR postpneumonolysis OR postpneumonectom* OR postesophagectom* OR postoesophagectom* OR postlobectom* OR ((lung OR pulmonary OR thym*) NEAR/6 (transplant* OR graft*)) OR ((esophag* OR oesophag*) NEAR/6 (anastom* OR transect* OR dilat* OR reconstruct*)):ti,ab,kw) NOT [conference abstract]/lim NOT ([animals]/lim NOT [humans]/lim)

Medline

(Chronic Pain/ OR (((chronic* OR constant* OR continu* OR persist* OR longterm OR long-term OR longstanding OR long-standing OR longlasting OR long-lasting OR phantom) ADJ6 (pain* OR discomfort* OR complaint*)):ti,ab,kf)) AND (Pain, Postoperative/ OR (((postoperative OR posttreatment OR postsurg*) ADJ6 (pain* OR analgesi*)) OR ((post OR after OR follow*) ADJ3 (surg* OR operat* OR treat* OR resect* OR transplant*) ADJ6 (pain* OR analgesi*)) OR ((post* ADJ1 pain*)) OR pain-relief-after OR ((post-extraction OR postextraction OR amputat* OR mediastinoscopy OR sternotomy OR thoracoplasty OR thoracoscopy OR thoracostomy OR thoracotomy OR thoracocentesis OR thymectomy OR tracheostomy OR tracheotomy OR bronchoscopy OR pneumonolysis OR pneumonectomy OR esophagectomy OR oesophagectomy OR postmediastinoscop* OR poststernotom* OR postthoracoplast* OR postthoracoscop* OR postthoracostom* OR postthoracotom* OR postthoracocentesis OR postthymectom* OR posttracheostom* OR posttracheotom* OR postbronchoscop* OR postpneumonolysis OR postpneumonectom* OR postesophagectom* OR postoesophagectom* OR postlobectom*) ADJ6 (pain* OR discomfort OR analgesi*)):ti,ab,kf) AND (Thoracic Surgery/ OR (exp Thoracic Surgical Procedures/ NOT exp Cardiac Surgical Procedures/) OR

Lung Neoplasms/su OR (((thora* OR lung OR pulmonary OR esophag* OR oesophag* OR trachea* OR rib OR thym* OR chest OR pleura*) ADJ6 (surg* OR operat* OR resect*)) OR mediastinoscop* OR sternotom* OR thoracoplast* OR thoracoscop* OR thoracostom* OR thoracotom* OR thoracocentesis OR thymectom* OR tracheostom* OR tracheotom* OR bronchoscop* OR pneumonolysis OR pneumonectom* OR esophagectom* OR oesophagectom* OR lobectom* OR postmediastinoscop* OR poststernotom* OR postthoracoplast* OR postthoracoscop* OR postthoracostom* OR postthoracotom* OR postthoracocentesis OR postthymectom* OR posttracheostom* OR posttracheotom* OR postbronchoscop* OR postpneumonolysis OR postpneumonectom* OR postesophagectom* OR postoesophagectom* OR postlobectom* OR ((lung OR pulmonary OR thym*) ADJ6 (transplant* OR graft*)) OR ((esophag* OR oesophag*) ADJ6 (anastom* OR transect* OR dilat* OR reconstruct*))) .ti,ab,kf) NOT (exp animals/ NOT humans/)

Web of Science

TS((((chronic* OR constant* OR continu* OR persist* OR longterm OR long-term OR longstanding OR long-standing OR longlasting OR long-lasting OR phantom) NEAR/5 (pain* OR discomfort* OR complaint*))) AND (((postoperative OR posttreatment OR postsurg*) NEAR/5 (pain* OR analgesi*)) OR ((post OR after OR follow*) NEAR/2 (surg* OR operat* OR treat* OR resect* OR transplant*) NEAR/5 (pain* OR analgesi*)) OR ((post* NEAR/1 pain*)) OR pain-relief-after OR ((post-extraction OR postextraction OR amputat* OR mediastinoscopy OR sternotomy OR thoracoplasty OR thoracoscopy OR thoracostomy OR thoracotomy OR thoracocentesis OR thymectomy OR tracheostomy OR tracheotomy OR bronchoscopy OR pneumonolysis OR pneumonectomy OR esophagectomy OR oesophagectomy OR postmediastinoscop* OR poststernotom* OR postthoracoplast* OR postthoracoscop* OR postthoracostom* OR postthoracotom* OR postthoracocentesis OR postthymectom* OR posttracheostom* OR posttracheotom* OR postbronchoscop* OR postpneumonolysis OR postpneumonectom* OR postesophagectom* OR postoesophagectom* OR postlobectom*) NEAR/5 (pain* OR discomfort OR analgesi*))) AND (((thora* OR lung OR pulmonary OR esophag* OR oesophag* OR trachea* OR rib OR thym* OR chest OR pleura*) NEAR/5 (surg* OR operat* OR resect*)) OR mediastinoscop* OR sternotom* OR thoracoplast* OR thoracoscop* OR thoracostom* OR thoracotom* OR thoracocentesis OR thymectom* OR tracheostom* OR tracheotom* OR bronchoscop* OR pneumonolysis OR pneumonectom* OR esophagectom* OR oesophagectom* OR lobectom* OR postmediastinoscop* OR poststernotom* OR postthoracoplast* OR postthoracoscop* OR postthoracostom* OR postthoracotom* OR postthoracocentesis OR postthymectom* OR posttracheostom* OR posttracheotom* OR postbronchoscop* OR postpneumonolysis OR postpneumonectom* OR postesophagectom* OR postoesophagectom* OR postlobectom* OR ((lung OR pulmonary OR thym*) NEAR/5 (transplant* OR graft*)) OR ((esophag* OR oesophag*) NEAR/5 (anastom* OR transect* OR dilat* OR reconstruct*))) AND DT=(article)

Cochrane

((((chronic* OR constant* OR continu* OR persist* OR longterm OR long NEXT term OR longstanding OR long NEXT standing OR longlasting OR long NEXT lasting OR phantom) NEAR/6 (pain* OR discomfort* OR complaint*)):ti,ab)) AND (((postoperative OR posttreatment OR postsurg*) NEAR/6 (pain* OR analgesi*)) OR ((post OR after OR follow*) NEAR/3 (surg* OR operat* OR treat* OR resect* OR transplant*) NEAR/6 (pain* OR analgesi*)) OR ((post* NEAR/1 pain*)) OR pain NEXT relief NEXT after OR ((post NEXT extraction OR postextraction OR amputat* OR mediastinoscopy OR sternotomy OR thoracoplasty OR thoracoscopy OR thoracostomy OR thoracotomy OR thoracocentesis OR thymectomy

OR tracheostomy OR tracheotomy OR bronchoscopy OR pneumonolysis OR pneumonectomy OR esophagectomy OR oesophagectomy OR postmediastinoscop* OR poststernotom* OR postthoracoplast* OR postthoracoscop* OR postthoracostom* OR postthoracotom* OR postthoracocentesis OR postthymectom* OR posttracheostom* OR posttracheotom* OR postbronchoscop* OR postpneumonolysis OR postpneumonectom* OR postesophagectom* OR postoesophagectom* OR postlobectom*) NEAR/6 (pain* OR discomfort OR analgesi*)):ti,ab) AND (((thora* OR lung OR pulmonary OR esophag* OR oesophag* OR trachea* OR rib OR thym* OR chest OR pleura*) NEAR/6 (surg* OR operat* OR resect*)) OR mediastinoscop* OR sternotom* OR thoracoplast* OR thoracoscop* OR thoracostom* OR thoracotom* OR thoracocentesis OR thymectom* OR tracheostom* OR tracheotom* OR bronchoscop* OR pneumonolysis OR pneumonectom* OR esophagectom* OR oesophagectom* OR lobectom* OR postmediastinoscop* OR poststernotom* OR postthoracoplast* OR postthoracoscop* OR postthoracostom* OR postthoracotom* OR postthoracocentesis OR postthymectom* OR posttracheostom* OR posttracheotom* OR postbronchoscop* OR postpneumonolysis OR postpneumonectom* OR postesophagectom* OR postoesophagectom* OR postlobectom* OR ((lung OR pulmonary OR thym*) NEAR/6 (transplant* OR graft*)) OR ((esophag* OR oesophag*) NEAR/6 (anastom* OR transect* OR dilat* OR reconstruct*)):ti,ab)

CINAHL

(MH Chronic Pain OR TI(((chronic* OR constant* OR continu* OR persist* OR longterm OR long-term OR longstanding OR long-standing OR longlasting OR long-lasting OR phantom) N5 (pain* OR discomfort* OR complaint*))) OR AB(((chronic* OR constant* OR continu* OR persist* OR longterm OR long-term OR longstanding OR long-standing OR longlasting OR long-lasting OR phantom) N5 (pain* OR discomfort* OR complaint*)))) AND (MH Postoperative Pain OR TI(((postoperative OR posttreatment OR postsurg*) N5 (pain* OR analgesi*)) OR ((post OR after OR follow*) N2 (surg* OR operat* OR treat* OR resect* OR transplant*) N5 (pain* OR analgesi*)) OR ((post* N1 pain*)) OR pain-relief-after OR ((post-extraction OR postextraction OR amputat* OR mediastinoscopy OR sternotomy OR thoracoplasty OR thoracoscopy OR thoracostomy OR thoracotomy OR thoracocentesis OR thymectomy OR tracheostomy OR tracheotomy OR bronchoscopy OR pneumonolysis OR pneumonectomy OR esophagectomy OR oesophagectomy OR postmediastinoscop* OR poststernotom* OR postthoracoplast* OR postthoracoscop* OR postthoracostom* OR postthoracotom* OR postthoracocentesis OR postthymectom* OR posttracheostom* OR posttracheotom* OR postbronchoscop* OR postpneumonolysis OR postpneumonectom* OR postesophagectom* OR postoesophagectom* OR postlobectom*) N5 (pain* OR discomfort OR analgesi*)) OR AB(((postoperative OR posttreatment OR postsurg*) N5 (pain* OR analgesi*)) OR ((post OR after OR follow*) N2 (surg* OR operat* OR treat* OR resect* OR transplant*) N5 (pain* OR analgesi*)) OR ((post* N1 pain*)) OR pain-relief-after OR ((post-extraction OR postextraction OR amputat* OR mediastinoscopy OR sternotomy OR thoracoplasty OR thoracoscopy OR thoracostomy OR thoracotomy OR thoracocentesis OR thymectomy OR tracheostomy OR tracheotomy OR bronchoscopy OR pneumonolysis OR pneumonectomy OR esophagectomy OR oesophagectomy OR postmediastinoscop* OR poststernotom* OR postthoracoplast* OR postthoracoscop* OR postthoracostom* OR postthoracotom* OR postthoracocentesis OR postthymectom* OR posttracheostom* OR posttracheotom* OR postbronchoscop* OR postpneumonolysis OR postpneumonectom* OR postesophagectom* OR postoesophagectom* OR postlobectom*) N5 (pain* OR discomfort OR analgesi*))) AND ((MH "Thoracic Surgery+" NOT MH "Heart Surgery+") OR TI(((thora* OR lung OR pulmonary OR esophag* OR oesophag* OR trachea* OR rib OR thym* OR chest

OR pleura*) N5 (surg* OR operat* OR resect*) OR mediastinoscop* OR sternotom* OR thoracoplast* OR thoracoscop* OR thoracostom* OR thoracotom* OR thoracocentesis OR thymectom* OR tracheostom* OR tracheotom* OR bronchoscop* OR pneumonolysis OR pneumonectom* OR esophagectom* OR oesophagectom* OR lobectom* OR postmediastinoscop* OR poststernotom* OR postthoracoplast* OR postthoracoscop* OR postthoracostom* OR postthoracotom* OR postthoracocentesis OR postthymectom* OR posttracheostom* OR posttracheotom* OR postbronchoscop* OR postpneumonolysis OR postpneumonectom* OR postesophagectom* OR postoesophagectom* OR postlobectom* OR ((lung OR pulmonary OR thym*) N5 (transplant* OR graft*)) OR ((esophag* OR oesophag*) N5 (anastom* OR transect* OR dilat* OR reconstruct*)) OR AB(((thora* OR lung OR pulmonary OR esophag* OR oesophag* OR trachea* OR rib OR thym* OR chest OR pleura*) N5 (surg* OR operat* OR resect*)) OR mediastinoscop* OR sternotom* OR thoracoplast* OR thoracoscop* OR thoracostom* OR thoracotom* OR thoracocentesis OR thymectom* OR tracheostom* OR tracheotom* OR bronchoscop* OR pneumonolysis OR pneumonectom* OR esophagectom* OR oesophagectom* OR lobectom* OR postmediastinoscop* OR poststernotom* OR postthoracoplast* OR postthoracoscop* OR postthoracostom* OR postthoracotom* OR postthoracocentesis OR postthymectom* OR posttracheostom* OR posttracheotom* OR postbronchoscop* OR postpneumonolysis OR postpneumonectom* OR postesophagectom* OR postoesophagectom* OR postlobectom* OR ((lung OR pulmonary OR thym*) N5 (transplant* OR graft*)) OR ((esophag* OR oesophag*) N5 (anastom* OR transect* OR dilat* OR reconstruct*))) NOT (MH animals+ NOT MH humans)

Scopus

TITLE-ABS-KEY((((chronic* OR constant* OR continu* OR persist* OR longterm OR long-term OR longstanding OR long-standing OR longlasting OR long-lasting OR phantom) W/5 (pain* OR discomfort* OR complaint*))) AND (((postoperative OR posttreatment OR postsurg*) W/5 (pain* OR analgesi*)) OR ((post OR after OR follow*) W/2 (surg* OR operat* OR treat* OR resect* OR transplant*) W/5 (pain* OR analgesi*)) OR ((post* W/1 pain*)) OR pain-relief-after OR ((post-extraction OR postextraction OR amputat* OR mediastinoscopy OR sternotomy OR thoracoplasty OR thoracoscopy OR thoracostomy OR thoracotomy OR thoracocentesis OR thymectomy OR tracheostomy OR tracheotomy OR bronchoscopy OR pneumonolysis OR pneumonectomy OR esophagectomy OR oesophagectomy OR postmediastinoscop* OR poststernotom* OR postthoracoplast* OR postthoracoscop* OR postthoracostom* OR postthoracotom* OR postthoracocentesis OR postthymectom* OR posttracheostom* OR posttracheotom* OR postbronchoscop* OR postpneumonolysis OR postpneumonectom* OR postesophagectom* OR postoesophagectom* OR postlobectom*) W/5 (pain* OR discomfort* OR analgesi*))) AND (((thora* OR lung OR pulmonary OR esophag* OR oesophag* OR trachea* OR rib OR thym* OR chest OR pleura*) W/5 (surg* OR operat* OR resect*)) OR mediastinoscop* OR sternotom* OR thoracoplast* OR thoracoscop* OR thoracostom* OR thoracotom* OR thoracocentesis OR thymectom* OR tracheostom* OR tracheotom* OR bronchoscop* OR pneumonolysis OR pneumonectom* OR esophagectom* OR oesophagectom* OR lobectom* OR postmediastinoscop* OR poststernotom* OR postthoracoplast* OR postthoracoscop* OR postthoracostom* OR postthoracotom* OR postthoracocentesis OR postthymectom* OR posttracheostom* OR posttracheotom* OR postbronchoscop* OR postpneumonolysis OR postpneumonectom* OR postesophagectom* OR postoesophagectom* OR postlobectom* OR ((lung OR pulmonary OR thym*) W/5 (transplant* OR graft*)) OR ((esophag* OR oesophag*) W/5 (anastom* OR transect* OR dilat* OR reconstruct*))))

Google scholar

"chronic|constant|persisting|longterm|longstanding|longlasting|phantom pain"

"postoperative|postsurgical pain" "thorax|thoracic surgery|operation"