# Appendices

## Appendix A

Database: Ovid MEDLINE(R) In-Process & Other Non-Indexed Citations and Ovid MEDLINE(R) <1946 to Present> Search Strategy:

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1 exp Brain Injuries/ (55378)

2 (TBI\* or mTBI\*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier] (19199)

3 ((brain\* or encephalon\* or cranium or cranio\* or cranial or intracrani\* or intra-crani\* or skull\* or cerebral or cerebell\* or head or ventric\* or hemispher\* or pontine or putamin\* or dura\* or subdura\* or sub-dura\* or ((supra or extra) adj2 dura\*) or supradura\* or epidura\* or epi-dura\* or arachnoid\* or sub-arachnoid\* or subarachnoid\* or (intra adj2 arachnoid\*)) adj3 (injur\* or trauma\* or concussion\* or post-concussion\* or h?emorrhag\* or h?ematom\* or bleed\* or penetrat\* or (non adj2 penetrat\*) or edema\* or oedema\* or fracture\* or aneurysm\* or pressur\* or lesion\* or swell\* or contusion\*)).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier] (301951)

4 Neurosurgery/ or exp craniotomy/ or decompressive craniectomy/ or trephining/ (25821)

5 (neurosurg\* or neuro-surg\* or craniotom\* or craniectom\* or trepanation\* or trepanning\* or trephination\* or trephining\*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier] (76298)

6 brain injury, chronic/ or brain edema/ or exp brain concussion/ or contrecoup injury/ or post-concussion syndrome/ or exp brain hemorrhage, traumatic/ or brain stem hemorrhage, traumatic/ or craniocerebral trauma/ or cerebral hemorrhage, traumatic/ or pneumocephalus/ or exp intracranial hemorrhages/ or exp cerebral hemorrhage/ or putaminal hemorrhage/ or exp intracranial hemorrhage, hypertensive/ or exp intracranial hemorrhage, traumatic/ or exp hematoma, epidural, cranial/ or exp hematoma, subdural/ or hematoma, subdural, acute/ or hematoma, subdural, chronic/ or hematoma, subdural, intracranial/ or subarachnoid hemorrhage, traumatic/ or exp pituitary apoplexy/ or exp subarachnoid hemorrhage/ or exp intracranial hypertension/ or exp trauma, nervous system/ or cerebrospinal fluid leak/ or cerebrospinal fluid otorrhea/ or cerebrospinal fluid rhinorrhea/ or coma, post-head injury/ or exp cranial nerve injuries/ or exp head injuries, closed/ or head injuries, penetrating/ or exp skull fractures/ or skull fracture, basilar/ or skull fracture, depressed/ or exp Cerebrovascular Trauma/ (236177)

7 (pneumocephal\* or pneumo-cephal\* or a?rocele\* or pneumocyst\* or pneumo-cyst\* or ((CSF or cerebrospinal) adj3 (leak\* or otorrhea\* or rhinorrhea\*)) or co?ntrecoup\* or (co?ntre adj3 coup\*)).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier] (21868)

8 or/1-7 (464157)

9 exp africa, northern/ or algeria/ or egypt/ or libya/ or morocco/ or tunisia/ or south sudan/ or sudan/ or exp middle east/ or bahrain/ or iraq/ or jordan/ or kuwait/ or lebanon/ or oman/ or qatar/ or saudi arabia/ or syria/ or united arab emirates/ or yemen/ (129937)

10 (algeria\* or bahrain\* or egypt\* or iraq\* or jordan\* or kuwait\* or kuweit\* or lebanon or lebanese or libanaise or yemen\* or aden or sanaa or UAE or Emirat\* or (abu adj dhabi) or libya\* or morocco\* or moroccan\* or oman\* or muscat or palestin\* or gaza or (west adj bank) or qatar\* or katar\* or quatar\* or saudi\* or KSA or Syria\* or tunisia\* or (north\* adj2 africa\*) or sudan\* or MENA or ((middle or near) adj2 east\*) or (east\* adj2 mediterranean\*) or orient or arabs or arab or arabia or levant).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier] (126940)

11 9 or 10 (190260)

12 8 and 11 (3196)

("middle east" OR "middle eastern" OR "north africa" OR "northern africa" OR algeria or bahrain or egypt or egyptian\* or iraq or jordan or kuwait or lebanon or lebanese or yemen or aden or sanaa or UAE or emirates or dubai or libya or morocco or oman or muscat or palestin\* or gaza or qatar or saudi\* or KSA or syria or tunisia or sudan or MENA or orient or arabs or arab or arabia or levant) AND (neurosurgery OR neurosurgical OR neuro-surgery OR neuro-surgical OR neurosurgeries OR neuro-surgeries OR craniotomy OR craniotomies OR craniectomy OR craniotomies OR “decompressive craniectomy” OR “decompressive craniectomies” OR trephining OR trephinings OR trephining OR trepanation OR trepanning OR trephination OR TBI\* OR mTBI\* OR “Brain injury” OR “Brain injuries” OR “brains injury” OR “Brain trauma” OR “Brain traumas” OR “Brain concussion” OR “Brain Concussions” OR “Brain postconcussion” OR “Brain postconcussions” OR “Brain post-concussion” OR “Brain post-concussions” OR “Brain 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OR “cerebro-spinal rhinorrhea” OR contrecoup OR countercoup OR countercoups OR contre-coup OR counter-coup OR counter-coups)