**Supplementary Table 2. Search Strategy in PubMed.**

Up to 2022/2/10

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| --- | --- | --- |
|  | Strategy | Number |
| #1 | "Stroke"[Mesh] OR "Hemorrhagic Stroke"[Mesh] OR "Thrombotic Stroke"[Mesh] OR "Ischemic Stroke"[Mesh] OR "Brain Stem Infarctions"[Mesh] OR "Infarction, Posterior Cerebral Artery"[Mesh] OR "Infarction, Middle Cerebral Artery"[Mesh] OR "Infarction, Anterior Cerebral Artery"[Mesh] OR "Embolic Stroke"[Mesh] OR"Intracranial Thrombosis"[Mesh:NoExp] | 155636 |
| #2 | "Brain Ischemia"[Mesh] OR "Cerebral Hemorrhage"[Mesh] OR "Basal Ganglia Cerebrovascular Disease"[Mesh] | 147767 |
| #3 | Stroke\*[Title/Abstract] OR Cerebrovascular Accident\*[Title/Abstract] OR "Cerebrovascular Apoplexy"[Title/Abstract] OR Brain Vascular Accident\*[Title/Abstract] OR Hemorrhagic Stroke\*[Title/Abstract] OR Thrombotic Stroke\*[Title/Abstract] OR Ischemic Stroke\*[Title/Abstract] OR Brain Infarction\*[Title/Abstract] OR Brain Hemorrhage\*[Title/Abstract] OR Brain Infarction\*[Title/Abstract] | 292321 |
| #4 | #1 OR #2 OR #3 | 394710 |
| #5 | "Pneumonia"[Mesh] OR "Pneumonia, Ventilator-Associated"[Mesh] OR "Pneumonia, Staphylococcal"[Mesh] OR "Pneumonia, Bacterial"[Mesh] OR "Pneumonia, Mycoplasma"[Mesh] OR "Pneumonia, Pneumococcal"[Mesh] OR "Pneumonia, Aspiration"[Mesh] OR "Healthcare-Associated Pneumonia"[Mesh] OR "Bronchopneumonia"[Mesh] OR "Urinary Tract Infections"[Mesh] OR "Sepsis"[Mesh] OR "Sepsis-Associated Encephalopathy"[Mesh] OR "Systemic Inflammatory Response Syndrome"[Mesh] OR "Bacteremia"[Mesh] OR "Fungemia"[Mesh] | 404442 |
| #6 | Infection\*[Title/Abstract] OR Infestation\*[Title/Abstract] OR Lung Inflammation\*[Title/Abstract] OR Bronchopneumonia\*[Title/Abstract] OR Bacteremia\*[Title/Abstract] OR Bloodstream Infection\*[Title/Abstract] OR Septicemia\*[Title/Abstract] OR Blood Poisoning\*[Title/Abstract] OR Endotoxin Shock\*[Title/Abstract] OR Urinary Tract Infection\*[Title/Abstract] | 1630251 |
| #7 | #5 OR #6 | 1875398 |
| #8 | #4 AND #7 | 13534 |
| #9 | "Stroke associated pneumonia"[Title/Abstract] OR stroke associated infection\*[Title/Abstract] | 210 |
| #10 | #8 OR #9 | 13577 |
| #11 | "Adrenergic beta-Antagonists"[Mesh] OR "Adrenergic beta-2 Receptor Antagonists"[Mesh] OR "Adrenergic beta-1 Receptor Antagonists"[Mesh] | 42680 |
| #12 | β-blocker\*[Title/Abstract] OR Carvedilol[Title/Abstract] OR sotalol[Title/Abstract] OR Atenolol[Title/Abstract] OR Propranolol[Title/Abstract] OR sotalol[Title/Abstract] OR Propranololum[Title/Abstract] OR Metoprolol[Title/Abstract] OR Lopresor[Title/Abstract] OR Betaloc[Title/Abstract] OR Seloken[Title/Abstract] | 74918 |
| #13 | #11 OR #12 | 94962 |
| #14 | #10 AND #13 | 76 |
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