## SUPPLEMENTAL TABLE 1. Search strategy for electronic databases

<table>
<thead>
<tr>
<th>Database</th>
<th>Search strategy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cardiosource</td>
<td>(statin OR statins OR hydroxymethylglutaryl[stemmed] OR HMG[stemmed] OR reductase inhibitor[stemmed] OR atorvastatin OR lipitor OR CI-981 OR CI981 OR liptonorm OR cerivastatin OR baycol OR lipobay OR rivastatin OR Certa OR compact OR mevastatin OR ML236B OR ML 236B OR fluvastatin OR lescol OR XU 62320 OR XU62320 OR fluidostatin OR lovastatin OR 6-methylcompactin OR mevacor OR MK803 OR MK 803 OR mevinolin OR monacolin K OR 6-methylcompactin OR meglutol OR pitavastatin OR nisvastatin OR itavastatin OR P 872441 OR P872441 OR NK 104 OR NK104 OR livalo OR pravastatin OR eptastatin OR lipiat OR RMS-431 OR RMS431 OR SQ 31000 OR SQ31000 OR vasten OR bristacol OR CS 514 OR CS514 OR lipemol OR mevalotin OR pravachol OR elisor OR selektine OR pravacol OR pravasin OR lipostat OR red yeast rice OR cholestin OR rosuvastatin OR ZD4522 OR ZD 4522 OR crestor OR simvastatin OR zocor OR MK733 OR MK 733 OR L 654969 OR L654969) AND (bleed[stemmed] OR hemorrhagic[stemmed] OR haemorrhagic[stemmed] OR haemorrhagic[stemmed])</td>
</tr>
</tbody>
</table>
| Cochrane Databases (Central, DARE, Health Technology Assessments, Systematic Reviews) | #1. MeSH descriptor Hydroxymethylglutaryl-CoA Reductase Inhibitors explode all trees  
#2. (atorvastatin OR lipitor OR CI-981 OR CI981 OR liptonorm OR cerivastatin OR baycol OR lipobay OR rivastatin OR Certa OR compact OR mevastatin OR ML236B OR ML 236B OR fluvastatin OR lescol OR XU 62320 OR XU62320 OR fluidostatin OR lovastatin OR 6-methylcompactin OR mevacor OR MK803 OR MK 803 OR mevinolin OR monacolin K )  
#3. (monacolin K OR 6-methylcompactin OR meglutol OR pitavastatin OR nisvastatin OR itavastatin OR P 872441 OR P872441 OR NK 104 OR NK104 OR livalo OR pravastatin OR eptastatin OR lipiat OR RMS-431 OR RMS431 OR SQ 31000 OR SQ31000 OR vasten OR bristacol OR CS 514 OR CS514 OR lipemol OR mevalotin OR pravachol OR elisor OR selektine OR pravacol OR pravasin OR lipostat OR red yeast rice OR cholestin OR rosuvastatin OR ZD4522 OR ZD 4522 OR crestor OR simvastatin OR zocor OR MK733 OR MK 733 OR L 654969 OR L654969)  
#4. (HMG* OR hydroxymethylglutaryl* OR *reductase inhibitor* OR statin*)  
#5. MeSH descriptor Intracranial Hemorrhages explode all trees  
#6. (hemorr* or haemorr* or bleed*) AND(stroke or strokes or cerebral or intracerebral or cerebrovascular or cerebro* or intracranial or cranial or CNS or "central nervous system" or neurologic* or neuraxial or neuroaxial or brain or intraparenchymal or parenchymal)  
#7. (( #1 OR #2 OR #3 OR #4 ) AND ( #5 OR #6 )) |
| European Medicines Agency | "intracerebral haemorrhage" OR "intracranialcerebral hemorrhage" OR "intracerebral bleed" OR "cerebral haemorrhage" OR "intracerebral hemorrhage" OR "Cerebral bleed" OR "haemorrhagic stroke" OR "hemorrhagic stroke" OR "brain haemorrhage" OR "brain hemorrhage" OR "brain bleed" OR "central nervous system haemorrhage" OR "central nervous system hemorrhage" OR "central nervous system bleed" OR "neuraxial hemorrhage" OR "neuraxial haemorrhage" OR "neuraxial bleed" OR "CNS haemorrhage" OR "CNS hemorrhage" OR "CNS bleed" OR "intraparenchymal haemorrhage" OR "intraparenchymal hemorrhage" OR "intraparenchymal bleed" OR "parenchymal hemorrhage" OR "parenchymal haemorrhage" OR "parenchymal bleed" |
| OVID Databases (Excerpta Medica, Healthstar, Medline, OVID Full Text, PreMedline) | 1. exp brain hematoma/ or exp brain hemorrhage/ or exp brain ventricle hemorrhage/ or exp cerebellum hemorrhage/  
2. exp hydroxymethylglutaryl coenzyme a reductase/ or exp hydroxymethylglutaryl
| International Standard Randomised Controlled Trial Number Register | intracerebral haemorrhage OR intracerebral hemorrhage OR intracerebral bleed OR cerebral haemorrhage OR intracerebral hemorrhage OR Cerebral bleed OR haemorrhagic stroke OR hemorrhagic stroke OR brain haemorrhage OR brain bleed OR central nervous system haemorrhage OR central nervous system hemorrhage OR central nervous system bleed OR neuraxial hemorrhage OR neuraxial haemorrhage OR neuraxial bleed OR CNS haemorrhage OR CNS hemorrhage OR CNS bleed OR intraparenchymal hemorrhage OR intraparenchymal bleed OR parenchymal hemorrhage OR parenchymal bleed |
|---|
| ClinicalTrials.gov | Search Terms: intracerebral haemorrhage OR intracerebral hemorrhage OR intracerebral bleed OR cerebral haemorrhage OR intracerebral hemorrhage OR Cerebral bleed OR haemorrhagic stroke OR hemorrhagic stroke OR brain haemorrhage OR brain bleed OR central nervous system haemorrhage OR central nervous system hemorrhage OR central nervous system bleed OR neuraxial hemorrhage OR neuraxial haemorrhage OR neuraxial bleed OR CNS haemorrhage OR CNS hemorrhage OR CNS bleed OR intraparenchymal hemorrhage OR intraparenchymal bleed OR parenchymal hemorrhage OR parenchymal bleed |
| Stroke Trials Registry | Search for trials: statin OR statins OR hydroxymethylglutaryl OR HMG OR reductase inhibitor OR atorvastatin OR lipitor OR CI-981 OR CI981 OR liptonorm OR cerivastatin OR baycol OR lipobay OR rivatatin OR Certa OR compactin OR mevastatin OR ML236B OR ML 236B OR fluvastatin OR ursocol OR XU 62320 OR XU62320 OR fluindostatin OR lovastatin OR 6-methylcompactin OR mevaco OR MK803 OR MK 803 OR mevinolin OR monacolin K OR 6-methylcompactin OR meglutol OR pitavastatin OR nisvastatin OR itavastatin OR P 872441 OR P872441 OR NK 104 OR NK104 OR livalo OR pravastatin OR eptastatin OR liplat OR RMS-431 OR RMS431 OR SQ 31000 OR SQ31000 OR vasten OR bristaco OR CS 514 OR CS514 OR lipemol OR mevalotin OR pravacol OR pravasin OR lipostat OR red yeast rice OR cholestin OR rosuvastatin OR MK803 OR ZD4522 OR ZD 4522 OR creator OR simvastatin OR zocor OR MK733 OR MK 733 OR L 654969 OR L654969 |
UpToDate v19.1

statins intracerebral hemorrhage
statins hemorrhagic stroke
HMG-CoA reductase inhibitors intracerebral hemorrhage
HMG-CoA reductase inhibitors hemorrhagic stroke
HMG-CoA reductase inhibitors intraparenchymal hemorrhage
<individual statin> intracerebral hemorrhage
<individual statin> hemorrhagic stroke
<individual statin> intraparenchymal hemorrhage

Food and Drug Administration

(intracerebral haemorrhage OR intracerebral hemorrhage OR intracranial bleed OR cerebral haemorrhage OR intracerebral hemorrhage OR Cerebral bleed OR haemorrhagic stroke OR hemorrhagic stroke OR brain haemorrhage OR brain hemorrhage OR brain bleed OR central nervous system haemorrhage OR central nervous system hemorrhage OR central nervous system bleed OR neuraxial hemorrhage OR neuraxial bleed OR CNS haemorrhage OR CNS hemorrhage OR CNS bleed OR intraparenchymal hemorrhage OR intraparenchymal bleed OR parenchymal hemorrhage OR parenchymal hemorrhage OR parenchymal haemorrhage OR parenchymal bleed) AND (statin OR statins OR hydroxymethylglutaryl OR HMG OR reductase inhibitor OR atorvastatin OR lipitor OR CI-981 OR CI981 OR liptonorm OR cerivastatin OR baycol OR lipobay OR rivastatin OR Cerivast OR or mevastatin OR ML236B OR ML 236B OR fluvastatin OR lescol OR XU 62320 OR XU62320 OR fluidostatin OR lovastatin OR 6-methylcompactin OR mevacor OR MK803 OR MK 803 OR mevinolin OR monacolin K OR 6-methylcompactin OR meglutol OR pitavastatin OR nisvastatin OR itavastatin OR P 872441 OR P872441 OR NK 104 OR NK104 OR livalo OR pravastatin OR eptastatin OR liplat OR RMS-431 OR RMS431 OR SQ 31000 OR SQ31000 OR vasten OR bristacol OR CS 514 OR CS514 OR lipemol OR mevalotin OR pravachol OR elisor OR selektine OR pravacol OR pravasin OR lipostat OR red yeast rice OR cholestin OR rosuvastatin OR ZD4522 OR ZD 4522 OR crestor OR simvastatin OR zocor OR MK733 OR MK 733 OR L 654969 OR L654969)

Web of Science with Conference Proceedings

# 1 TS=((hemorr* or haemorr* or bleed*) AND(stroke or strokes or cerebral or intracerebral or cerebrovascular or cerebro* or intracranial or cranial or CNS or "central nervous system" or neurologic* or neuraxial or neuroaxial or brain or intraparenchymal or parenchymal)) OR (hemorr* or haemorr* or bleed*) AND(stroke or strokes or cerebral or intracerebral or cerebrovascular or cerebro* or intracranial or cranial or CNS or "central nervous system" or neurologic* or neuraxial or neuroaxial or brain or intraparenchymal or parenchymal)

Databases=SCI-EXPANDED, CPCI-S Timespan=All Years

# 2 14,503 TS=(atorvastatin OR lipitor OR CI-981 OR CI981 OR liptonorm OR cerivastatin OR baycol OR lipobay OR rivastatin OR Cerivast OR or mevastatin OR ML236B OR "ML 236B" OR fluvastatin OR lescol OR XU 62320 OR XU62320 OR fluidostatin OR lovastatin OR 6-methylcompactin OR mevacor OR MK803 OR "MK 803" OR mevinolin OR monacolin K OR 6-methylcompactin OR meglutol OR pitavastatin OR nisvastatin OR itavastatin OR P 872441* OR P872441 OR "NK 104" OR NK104 OR livalo)

Databases=SCI-EXPANDED, CPCI-S Timespan=All Years

# 3 14,890 TS=(pravastatin OR eptastatin OR liplat OR RMS-431 OR RMS431 OR "SQ 31000" OR SQ31000 OR vasten OR bristacol OR "CS 514" OR CS514 OR lipemol OR mevalotin OR pravachol OR elisor OR selektine OR pravacol OR pravasin OR lipostat OR red yeast rice OR cholestin OR rosuvastatin OR ZD4522 OR "ZD 4522" OR crestor OR simvastatin OR zocor OR MK733 OR "MK 733" OR "L 654969" OR L654969)

Databases=SCI-EXPANDED, CPCI-S Timespan=All Years
| What’s What Online | Free text searches: statin, statins, hydroxymethylglutaryl, HMG, reductase inhibitor, atorvastatin, lipitor, CI-981, CI981, liptonorm, cerivastatin, baycol, lipobay, rivastatin, Certa, compactin, mevastatin, ML236B, ML 236B, fluvastatin, lesco, XU 62320, XU62320, fluindostatin, lovastatin, 6-methylcompactin, mevacor, MK803, MK 803, mevinolin, monacolin K, 6-methylcompactin, meglutol, pitavastatin, nisvastatin, itavastatin, P 872441, P872441, NK 104, NK104, livalo, pravastatin, eptastatin, liplat, RMS-431, RMS431, SQ 31000, SQ31000, vasten, bristacol, CS 514, CS514, lipemol, mevalotin, pravachol, elisor, selektine, pravacol, pravasin, lipostat, red yeast rice, cholestin, rosuvastatin, ZD4522, ZD 4522, crestor, simvastatin, zocor, MK733, MK 733, L 654969, L654969 |
Supplemental Figure 1. Funnel plot for randomized trials

![Funnel Plot of Standard Error by Log Risk Ratio](image-url)
Supplemental Figure 2. Funnel plot for cohort studies

Funnel Plot of Standard Error by Log Risk Ratio

Standard Error

Log risk ratio
Supplemental Figure 3. Funnel plot for case-control studies
Supplemental Figure 4. Study exclusion plot (randomized trials)

The effect of removing one study at a time on the pooled risk ratio for intracerebral hemorrhage is displayed as a square. Confidence intervals (95%) are displayed as horizontal whiskers. The overall estimate is displayed as a diamond at the bottom. Data are plotted on a logarithmic scale.
Supplemental Figure 5. Study exclusion plot (cohort studies)

The effect of removing one study at a time on the pooled risk ratio for intracerebral hemorrhage is displayed as a square. Confidence intervals (95%) are displayed as horizontal whiskers. The overall estimate is displayed as a diamond at the bottom. Data are plotted on a logarithmic scale.
Supplemental Figure 6. Study exclusion plot (case-control studies)

<table>
<thead>
<tr>
<th>Trial</th>
<th>RR (95% CI) with study removed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capampangan</td>
<td>0.54 (0.34 to 0.85)</td>
</tr>
<tr>
<td>Douketis</td>
<td>0.53 (0.31 to 0.92)</td>
</tr>
<tr>
<td>Gregoire</td>
<td>0.70 (0.51 to 0.96)</td>
</tr>
<tr>
<td>Tirschwell</td>
<td>0.62 (0.41 to 0.96)</td>
</tr>
<tr>
<td>Verdel</td>
<td>0.51 (0.31 to 0.83)</td>
</tr>
<tr>
<td>Woo</td>
<td>0.67 (0.46 to 0.97)</td>
</tr>
<tr>
<td>Overall</td>
<td>0.60 (0.41 to 0.88)</td>
</tr>
</tbody>
</table>

The effect of removing one study at a time on the pooled risk ratio for intracerebral hemorrhage is displayed as a square. Confidence intervals (95%) are displayed as horizontal whiskers. The overall estimate is displayed as a diamond at the bottom. Data are plotted on a logarithmic scale.
SUPPLEMENTAL REFERENCES

1Design and baseline results of the Scandinavian Simvastatin Survival Study of patients with stable angina and/or previous myocardial infarction. *Am J Cardiol* 1993;71:393-400.

2Design features and baseline characteristics of the LIPID (Long-Term Intervention with Pravastatin in Ischemic Disease) Study: a randomized trial in patients with previous acute myocardial infarction and/or unstable angina pectoris. *Am J Cardiol* 1995;76:474-9.


Everett BM, Glynn RJ, MacFadyen JG, Ridker PM. Rosuvastatin in the prevention of stroke among men and women with elevated levels of C-reactive protein: justification for the Use of Statins in Prevention: an Intervention Trial Evaluating Rosuvastatin (JUPITER). *Circulation* 2010;121:143-50.


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