

Guideline topic: Acute Stroke and TIA

Search coverage

Patient searches

Databases covered: **Medline, Embase, CINAHL, HMIC, Caredata** Dates covered: 2001 to 2007

Guidelines

Websites with relevant guidelines: Tripdatabase, National Guidelines Clearinghouse, New Zealand Guidelines Group, RCP

Databases covered: Medline, CINAHL, Embase

Systematic reviews

Databases covered: **Cochrane Library, Medline, CINAHL, Embase, PsycINFO** Dates covered: 2001-October 2007

Total hits: 2076

Pre-sifted result: 360

Sifted result:188

RCTs

Databases covered: **Cochrane Library, Medline, CINAHL, Embase, PsycINFO** Dates covered: 2001-January 2008

Observational studies

Databases covered: **Medline, CINAHL, Embase, PsycINFO** Dates covered:2001-2007

Diagnostic studies

Databases covered: **Cochrane Library, Medline, CINAHL, Embase** Dates covered:2001-January 2008

Search strategies

The following are listings of the main Medline strategies used for this guideline. All conventions and symbols are from the Ovid implementation of Medline. Strategies used in other databases were substantially the same, though different terminology may have been used to take account of different thesauri used in non-Medline databases. Search filters were added to identify studies of a particular type (guideline, systematic review, etc.) Listings of the search filters used by SIGN can be found on the SIGN Web site.

Main stem:

Medline

1. exp Cerebrovascular Accident/
2. stroke.tw.
3. tia.tw.
4. exp Ischemic Attack, Transient/
5. exp *Carotid Artery Diseases/

- 6. exp Endarterectomy, Carotid/
- 7. carotid endarterectomy.tw.
- 8. or/1-7

The following strategy was added to the main stem for questions involving PICH:

- 32 primary intracranial hemorrhage.mp.
- 33 primary intracranial haemorrhage.mp.
- 34 primary intracerebral hemorrhage.mp.
- 35 primary intracerebral haemorrhage.mp.
- 36 PICH.mp.
- 37 acute intracerebral hemorrhage.mp.
- 38 acute intracerebral haemorrhage.mp.
- 39 Cerebral Hemorrhage/ or intraventricular hemorrhage.mp. or Intracranial Hemorrhages/
- 40 intraventricular haemorrhage.mp.
- 41 haemorrhagic transformation.mp.
- 42 hemorrhagic transformation.mp.
- 43 or/31-42

**KQ 1-2 Assessment tools and scales
RCT and observational studies**

- 40 ROSIER.mp.
- 41 NIHSS.mp.
- 42 face arm speech test.mp.
- 43 CPSS.mp.
- 44 LAPSS.mp.
- 45 stroke scale.mp.
- 47 stroke.mp.
- 48 (scale or assessment or test or score).mp.
- 49 47 and 48
- 52 Ischemic Attack, Transient/cl, di [Classification, Diagnosis]
- 54 Cerebrovascular Accident/cl, di [Classification, Diagnosis]
- 55 40 or 41 or 42 or 43 or 44 or 45 or 49 or 52 or 54

**KQ 3 Form of hospital care
RCT and observational studies**

- 50 Hospital Units/ or stroke unit.mp.
- 51 Intensive Care Units/ or general ward.mp.
- 52 neurology unit.mp.
- 53 exp Patient Care Team/ or stroke team.mp.
- 54 or/50-53

**KQ 4 Integrated care pathways
RCT and observational studies**

- 50 Critical Pathways/ or integrated care pathway.mp.
- 51 Patient Care Planning/ or care plan.mp.
- 52 pathway.mp.
- 53 50 or 51 or 52

**KQ 5 Emergency protocols and telemedicine
RCT and observational studies**

- 50 paramedic.tw.
- 51 stroke.tw.
- 52 50 and 51

53 exp Emergency Treatment/
54 emergency.mp.
55 emergency medical technicians/
56 paramedic.mp.
57 (accident and emergency).mp.
58 emergency medical services/ or emergency service, hospital/ or trauma centers/ or triage/
59 NHS 24.mp.
60 telemedicine.mp. or exp Telemedicine/
61 exp Remote Consultation/
62 exp Ambulances/
63 ambulance\$.mp.
64 or/52-63

**KQ 6 Education for control of risk factors to prevent secondary stroke
RCT and observational studies**

50 patient education.mp. or Patient Education/
51 risk factor\$.mp. or Risk Factors/
52 risk reduction behavior/ or "tobacco use cessation"/ or smoking cessation/
53 compliance.mp. or exp Patient Compliance/
54 concordance.mp.
55 intervention or program\$.mp.
56 50 or 55
57 or/51-54
58 56 and 57

**KQ 7, 8, 9 Brain imaging with CT or MRI
RCT and observational studies**

41 exp Tomography, Emission-Computed/ or exp Magnetic Resonance Imaging/ or brain imaging.mp.
42 (ct or dwi).mp.
43 imaging.mp.
44 (perfusion or diffusion).mp.
45 magnetic resonance imag\$.mp.
46 mri.mp.
47 computed tomograph\$.mp.
48 or/41-47

**KQ 10 RCT Remote diagnostic aids
Unfiltered search**

1. remote diagnos\$.mp.
2. telemedicine.mp. or exp Telemedicine/
3. teleradiology.mp. or exp Teleradiology/
4. or/1-3

**KQ 11 Brain imaging in PICH
RCT and observational studies**

37 exp Magnetic Resonance Imaging/ or brain imag\$.mp.
38 Tomography, Emission-Computed/ or cerebral imag\$.mp.
39 exp image interpretation, computer-assisted/ or tomography, x-ray computed/
40 cerebral angiography.mp. or exp Cerebral Angiography/
41 brain angiography.mp.
42 magnetic resonance angiography.mp. or exp Magnetic Resonance Angiography/
43 or/37-42
44 primary intracerebral haemorrhage.mp.
45 primary intracerebral hemorrhage.mp.
46 PICH.mp.

- 47 intracranial aneurysm.mp. or Intracranial Aneurysm/
- 48 exp Hemangioma, Cavernous/ or cavernoma.mp. or exp Hemangioma, Cavernous, Central Nervous System/
- 49 ICVM.mp.
- 50 exp Intracranial Arteriovenous Malformations/ or intracranial venous malformation.mp.
- 51 Intracranial hemorrhages/
- 52 or/44-51
- 53 52 and 43

**KQ 12 Diagnostic tests following confirmed stroke or TIA
RCT and observational studies**

- 33 Thrombophilia/di [Diagnosis]
- 34 thrombophilia screen\$.mp.
- 35 factor v leiden.mp.
- 36 Activated Protein C Resistance/
- 37 exp Prothrombin/ or prothrombin 20210.mp.
- 38 Autoimmune Diseases/di [Diagnosis]
- 39 autoantibody screen\$.mp.
- 40 exp autoantibodies/ or rheumatoid factor/
- 41 anti nuclear factor.mp.
- 42 ANCA.mp. or Antibodies, Antineutrophil Cytoplasmic/
- 43 exp Antibodies, Antinuclear/ or anti DNA.mp.
- 44 anti cardiolipin antibod\$.mp.
- 45 lupus anticoagulant.mp. or Lupus Coagulation Inhibitor/
- 46 exp syphilis serodiagnosis/
- 47 exp Blood Coagulation Tests/ or coagulation screen\$.mp.
- 48 Blood Protein Electrophoresis/ or serum protein electrophoresis.mp.
- 49 exp immunoglobulins/ or immunoglobulin g/
- 50 Homocystine/an, bl, ch [Analysis, Blood, Chemistry]
- 51 syphilis.mp. [mp=title, original title, abstract, name of substance word, subject heading word]
- 52 Anemia, Sickle Cell/bl, di [Blood, Diagnosis]
- 53 or/33-52

**KQ 13 Cardiac imaging following confirmed stroke or TIA
RCT and observational studies**

- 49 exp Echocardiography/ or cardiac imaging.mp.
- 50 exp Heart/ and exp Magnetic Resonance Imaging/
- 51 exp Heart/ and exp Tomography, X-Ray Computed/
- 52 exp Echocardiography, Transesophageal/ or trans thoracic echo\$.mp.
- 53 trans oesophageal echo\$.mp.
- 54 trans esophageal echo\$.mp.
- 55 contrast enhanced echo\$.mp.
- 56 exp Ultrasonography, Doppler, Transcranial/ or trans cranial doppler.mp.
- 57 cardiac ct.tw.
- 58 cardiac mri.tw.
- 59 trans-oesophageal echo\$.mp.
- 60 or/49-59

**KQ 15 and 16 Carotid intervention (endarterectomy, angioplasty, stent)
RCT and observational studies**

- 23. (filter)
- 24. exp Cerebrovascular Accident/
- 25. acute stroke.tw.
- 26. TIA.tw.
- 27. exp Ischemic Attack, Transient/
- 28. *Carotid Artery Diseases/
- 29. exp endarterectomy, carotid/
- 30. carotid endarterectomy.tw.

31. cerebral infarct\$.mp.
32. carotid artery.mp. or exp Carotid Arteries/
33. endovascular.mp.
34. Angioplasty, Transluminal, Percutaneous Coronary/ or exp Angioplasty/ or angioplasty.mp.
35. carotid surgery.mp.
36. stent\$.mp. or exp Stents/
37. 24 or 25 or 26 or 27 or 28 or 31
38. 33 or 34 or 36
39. 32 and 38
40. amaurosis fugax.mp. or Amaurosis Fugax/
41. transient monocular blindness.mp.
42. retinal artery occlusion.mp. or Retinal Artery Occlusion/
43. or/40-42
44. 37 or 43
45. 29 or 30 or 35 or 39
46. 44 and 45 and 23

**KQ 17 Carotid surgery techniques (anaesthesia, monitoring, shunt, patch)
RCT and observational studies**

23. (filter)
24. *Carotid Artery Diseases/
25. exp endarterectomy, carotid/
26. carotid endarterectomy.tw.
27. carotid artery.mp. or exp Carotid Arteries/
28. endovascular.mp.
29. (endovascular or surg\$).mp.
30. 24 or 27
31. 29 and 30
32. 25 or 26 or 31
33. exp Anesthetics, Local/ or exp Anesthesia, Local/
34. ((local or general) and (anesthe\$ or anaesth\$)).mp. [mp=title, original title, abstract, name of substance word, subject heading word]
35. exp Anesthetics, Intravenous/ or exp Anesthesia, General/
36. Arteriovenous Shunt, Surgical/
37. (shunt\$ or patch\$ or closure).mp.
38. Ultrasonography, Doppler, Transcranial/ or transcranial doppler.mp.
39. eeg.mp. or exp Electroencephalography/
40. electroencephalog\$.mp.
41. exp Spectroscopy, Fourier Transform Infrared/ or exp Spectroscopy, Near-Infrared/ or infrared spectroscopy.mp.
42. exp Monitoring, Intraoperative/
43. monitor\$.mp.
44. 42 or 43
45. or/38-41
46. 44 and 45
47. or/33-37
48. 46 or 47
49. 48 and 32 and 23

**KQ 18 Carotid imaging in cardiac surgery patients
RCT and observational studies**

- 14 coronary artery bypass grafting.mp. or exp Coronary Artery Bypass/
- 15 CABG.mp.
- 16 Aortic Valve/ or Mitral Valve/ or exp Heart Valve Prosthesis/ or valve replacement.mp. or Mitral Valve Stenosis/
- 17 Cardiac Surgical Procedures/ and Heart Aneurysm/
- 18 left ventricular aneurysmectomy.mp.
- 19 Aortic Aneurysm, Thoracic/ or thoracic aortic aneurysm repair.mp.
- 20 or/14-19

21 (carotid and (imag\$ or scan\$)).mp.
22 exp Magnetic Resonance Angiography/ or exp Ultrasonography, Doppler, Duplex/
23 (angiograph\$ or arteriograph\$).mp.
24 exp Angiography/ and exp Tomography, X-Ray Computed/
25 or/21-24
26 20 and 25

**KQ 19 Carotid intervention in cardiac surgery patients
RCT and observational studies**

14 *Carotid Artery Diseases/ (3144)
15 exp endarterectomy, carotid/ (3301)
16 carotid endarterectomy.tw. (3066)
17 carotid artery.mp. or exp Carotid Arteries/ (21370)
18 endovascular.mp. (8726)
19 Angioplasty, Transluminal, Percutaneous Coronary/ or exp Angioplasty/ or angioplasty.mp. (25958)
20 carotid surgery.mp. (464)
21 stent\$.mp. or exp Stents/ (28027)
22 carotid.mp. or exp Carotid Arteries/ (29543)
23 21 and 22 (2169)
24 17 and 18 (1099)
25 14 or 15 or 16 or 19 or 20 or 23 or 24 (33050)
26 coronary artery bypass grafting.mp. or exp Coronary Artery Bypass/ (18467)
27 CABG.mp. (5370)
28 Aortic Valve/ or Mitral Valve/ or exp Heart Valve Prosthesis/ or valve replacement.mp. or Mitral Valve Stenosis/ (15637)
29 Cardiac Surgical Procedures/ and Heart Aneurysm/ (130)
30 left ventricular aneurysmectomy.mp. [mp=title, original title, abstract, name of substance word, subject heading word] (35)
31 Aortic Aneurysm, Thoracic/ or thoracic aortic aneurysm repair.mp. (3601)
32 or/26-31 (36940)
33 13 and 25 and 32 (1674)

**KQ 21 Periprocedural antiplatelet or antithrombotic therapy
RCT and observational studies**

24. *Carotid Artery Diseases/
25. exp endarterectomy, carotid/
26. carotid endarterectomy.tw.
27. carotid artery.mp. or exp Carotid Arteries/
28. endovascular.mp.
29. Angioplasty, Transluminal, Percutaneous Coronary/ or exp Angioplasty/ or angioplasty.mp.
30. carotid surgery.mp.
31. stent\$.mp. or exp Stents/
32. (surgery or surgical).mp. [mp=title, original title, abstract, name of substance word, subject heading word]
33. (24 or 27) and (28 or 32)
34. (24 or 27) and 31
35. (carotid and stent\$).mp. [mp=title, original title, abstract, name of substance word, subject heading word]
36. 34 or 35
37. carotid.mp. or exp Carotid Arteries/
38. 29 and 37
39. 25 or 26 or 33 or 36 or 38
40. 39 and 23
41. limit 40 to yr="2000 - 2006"
42. aspirin.mp. or exp Aspirin/
43. dipyridamole.mp. or exp Dipyridamole/
44. (clopidogrel or Plavix).mp.
45. ticlopidine.mp. or exp Ticlopidine/
46. abciximab.mp. or exp Platelet Aggregation Inhibitors/
47. or/42-46
48. 41 and 47

**KQ 22 Therapeutic interventions in acute stroke
RCT and observational studies**

22 a and b Thrombolysis

1. Thrombolytic Therapy/
2. thromboly\$.tw.
3. tissue plasminogen activator.mp. or Tissue Plasminogen Activator/
4. tpa.mp.
5. Streptokinase/ or streptokinase.mp.
6. (alteplase or reteplase or tenecteplase).mp.
7. activase.mp.
8. or/1-7
9. Infusions, Intravenous/ or intravenous.mp. or Injections, Intravenous/
10. Infusions, Intra-Arterial/ or intraarterial.mp.
11. iv.mp.
12. ia.mp.
13. or/9-12
14. 8 and 13

22d Heparin

1. (low molecular weight heparin\$ or low-molecular-weight heparin\$ or lmwh\$).mp.
2. exp Heparin/
3. (antixarin or ardeparin or bemiparin or certoparin or cy 222 or dalteparin or embolex or enoxaparin or fondaparin or monoembolex or nadroparin or parnaparin or rd 11885 or reviparin or tedelparin or tinzaparin).mp.
4. (heparinoid\$ or atheroid or danaparoid or mesoglycan or dermatan sul\$ or heparan sul\$ or pentosan polysul\$).mp.
5. exp Heparinoids/
6. unfractionated heparin.mp.
7. or/1-6

22e Neuroprotection

- 33 exp Neuroprotective Agents/ or neuroprotect\$.mp.
- 34 nimodipine.mp. or Nimodipine/
- 35 nicardipine.mp. or Nicardipine/
- 36 glutamate antagonist.mp. or exp Excitatory Amino Acid Antagonists/
- 37 enlimomab.mp.
- 38 UK-279276.mp.
- 39 UK 279276.mp.
- 40 UK279276.mp.
- 41 NXY059.mp.
- 42 "NXY 059".mp.
- 43 SAINT.mp.
- 44 magnesium.mp.
- 45 or/33-44

22f Reducing raised ICP

- 33 raised ICP.mp. or Intracranial Pressure/
- 34 hyperventilation.mp. or Hyperventilation/
- 35 Saline Solution, Hypertonic/ or hypertonic saline.mp.
- 36 Glycerol/ or glycerol.mp.
- 37 or/33-36

22g Decompressive surgery / hemicraniectomy

- 33 exp Decompression, Surgical/ or decompressive surgery.mp. or exp Brain Edema/
- 34 Craniotomy/ or hemicraniectomy.mp.
- 35 post fossa decompression.mp.
- 36 exp Cerebral Ventricles/ and exp Drainage/
- 37 evd.mp. or exp Ventriculostomy/
- 38 external ventricular drain.mp.
- 39 Cranial Fossa, Posterior/su [Surgery]
- 40 (decompress\$ and surg\$ and (brain or cerebral)).mp.

41 or/33-40

22h Mechanical reperfusion

33 mechanical reperfusion.mp.
34 clot retrieval.mp. or Embolectomy/
35 microbubble\$.mp. or Microbubbles/
36 Ultrasonography, Doppler, Transcranial/ or trans cranial doppler.mp.
37 or/33-36
38 (merci or multimerci).mp.
39 thrombectomy.mp.
40 exp Thrombectomy/
41 ims2.mp.
42 ims-2.mp.
43 ims 2.mp.
44 clotbust.tw.
45 molina-c\$.au.
46 45 and 35
47 or/37-40

KQ 23a Fluids

RCT and observational studies

33 intravenous fluid\$.mp.
34 exp Infusions, Intravenous/ or exp Fluid Therapy/ or exp Rehydration Solutions/
35 iv fluid\$.mp.
36 glucose solution, hypertonic/ or saline solution, hypertonic/ or isotonic solutions/
37 (saline or dextrose).mp.
38 (ringers or hartmanns).mp.
39 or/33-38

KQ 23b BP management

RCT and observational studies

33 blood pressure.mp. or exp Blood Pressure/
34 enos.mp.
36 exp Sympathomimetics/
37 sympathomimetic\$.mp.
38 or/33-37

KQ 23c Blood glucose lowering

RCT and observational studies

34. blood glucose.mp. or Blood Glucose/
35. ((sugar\$ or glucose or HbA1c) and (lower\$ or decreas\$ or reduc\$)).mp.
36. exp Insulin/ or insulin.mp.
37. or/34-36

KQ 23 d-i

RCT and observational studies

50 exp Feeding Methods/
51 nasogastric.mp.
52 Gastrostomy/ or PEG.mp.
53 oxygen inhalation therapy/ or hyperbaric oxygenation/
54 (hyperbaric or normobaric).mp.
55 pyrexia.mp. or exp Fever/
56 mobili\$.mp.
57 exp posture/ or prone position/
58 hypothermia.mp. or exp Hypothermia, Induced/

59 position\$.mp.
60 or/50-59

**KQ 24a Blood glucose monitoring
RCT and observational studies**

50 blood glucose.mp. or Blood Glucose/
51 exp Monitoring, Physiologic/
52 ((sugar\$ or glucose or HbA1c) and (measur\$ or monitor\$)).mp.
53 50 and 51
54 52 or 53

**KQ 24b BP monitoring
RCT and observational studies**

108 blood pressure determination/ or blood pressure monitoring, ambulatory/
109 blood pressure.mp.
110 Sphygmomanometers/
111 108 or 109 or 110
113 Clinical Protocols/
114 (protocol\$ or plan\$ or pathway\$).mp.
115 113 or 114
116 111 and 115

**KQ 24c Temperature monitoring
RCT and observational studies**

50 Body Temperature/
51 temperature\$.mp.
52 (measur\$ or monitor\$ or record\$).mp.
53 51 and 52
54 50 or 53

**KQ 24d Oxygen saturation monitoring
RCT and observational studies**

50 oximetry/ or blood gas monitoring, transcutaneous/
51 oximetry.mp.
52 blood oxygen.mp.
53 oxygen saturation.mp.
54 or/50-53

**KQ25 a-d Antiplatelets, statins, anticoagulants, antihypertensives
RCT only**

46 aspirin.mp. or exp Aspirin/
47 dipyridamole.mp. or exp Dipyridamole/
48 (clopidogrel or Plavix).mp.
49 ticlopidine.mp. or exp Ticlopidine/
50 abciximab.mp. or exp Platelet Aggregation Inhibitors/
51 exp Salicylates/ or triflusal.mp.
52 exp Lovastatin/ or exp Antilipemic Agents/ or exp Anticholesterolic Agents/ or exp
Hydroxymethylglutaryl-CoA Reductase Inhibitors/ or statin\$.mp.
53 simvastatin\$.mp. or Simvastatin/
54 ezetemibe.mp.
55 nicotinamide.mp. or exp Niacinamide/
56 cholestyramine.mp. or exp Cholestyramine/
57 exp Anticoagulants/ or exp Warfarin/
58 (anticoagul\$ or warfarin\$ or coumarin\$).mp.

59 exp Heparin, Low-Molecular-Weight/ or exp Heparin/
60 heparin\$.mp.
61 exp Angiotensin-Converting Enzyme Inhibitors/ or exp Antihypertensive Agents/
62 exp Adrenergic beta-Antagonists/
63 exp Calcium Channel Blockers/
64 exp Angiotensin II Type 1 Receptor Blockers/
65 exp Adrenergic alpha-Antagonists/
66 (atenolol or carvedilol or metoprolol or nebivolol or clonidine or methyldopa or moxonidine).mp.
67 (doxazosin or indoramin or prazosin or terazosin).mp.
68 (captopril or cilazapril or enalapril or fosinopril or imidapril or lisinopril or perindopril or quinapril or ramipril or trandolapril).mp.
69 (candesartan or eprosartan or irbesartan or losartan or olmesartan or telmisartan or valsartan).mp.
70 (amlodipine or diltiazem or felodipine or nifedipine or nicardipine or nimodipine or nisoldipine or verapamil).mp.
71 (atorvastatin or fluvastatin or pravastatin or rosuvastatin or simvastatin).mp.
72 or/46-71

KQ 25 g Atrial appendage occlusion

RCT and observational studies

50 atrial appendage.mp. or Atrial Appendage/
51 Atrial Appendage/ and exp Heart Catheterization/
52 atrial appendage occlusion.mp.
53 (seal\$ or catheter\$ or occlude\$ or occlusion).mp.
54 50 and 53
55 51 or 52 or 54
58 Atrial Appendage/su [Surgery]
59 55 or 58

KQ 26 Temporary withdrawal of antiplatelets, statins, anticoagulants, antihypertensives

RCT and observational studies

46 aspirin.mp. or exp Aspirin/
47 dipyridamole.mp. or exp Dipyridamole/
48 (clopidogrel or Plavix).mp.
49 ticlopidine.mp. or exp Ticlopidine/
50 abciximab.mp. or exp Platelet Aggregation Inhibitors/
51 exp Salicylates/ or triflusal.mp.
52 exp Lovastatin/ or exp Antilipemic Agents/ or exp Anticholesteremic Agents/ or exp Hydroxymethylglutaryl-CoA Reductase Inhibitors/ or statin\$.mp.
53 simvastatin\$.mp. or Simvastatin/
54 ezetemibe.mp.
55 nicotinamide.mp. or exp Niacinamide/
56 cholestyramine.mp. or exp Cholestyramine/
57 exp Anticoagulants/ or exp Warfarin/
58 (anticoagul\$ or warfarin\$ or coumarin\$).mp.
59 exp Heparin, Low-Molecular-Weight/ or exp Heparin/
60 heparin\$.mp.
61 exp Angiotensin-Converting Enzyme Inhibitors/ or exp Antihypertensive Agents/
62 exp Adrenergic beta-Antagonists/
63 exp Calcium Channel Blockers/
64 exp Angiotensin II Type 1 Receptor Blockers/
65 exp Adrenergic alpha-Antagonists/
66 (atenolol or carvedilol or metoprolol or nebivolol or clonidine or methyldopa or moxonidine).mp.
67 (doxazosin or indoramin or prazosin or terazosin).mp.
68 (captopril or cilazapril or enalapril or fosinopril or imidapril or lisinopril or perindopril or quinapril or ramipril or trandolapril).mp.
69 (candesartan or eprosartan or irbesartan or losartan or olmesartan or telmisartan or valsartan).mp.
70 (amlodipine or diltiazem or felodipine or nifedipine or nicardipine or nimodipine or nisoldipine or verapamil).mp.
71 (atorvastatin or fluvastatin or pravastatin or rosuvastatin or simvastatin).mp.
72 or/46-71

75 discontinu\$.mp.
76 withdraw\$.mp.
77 stop\$.mp.
78 or/75-77
79 72 and 78

KQ 27 Patent Foramen Ovale and cryptogenic stroke
Unfiltered search

32 cryptogenic stroke.mp.
33 cryptogenic.mp.
34 exp Heart Septal Defects, Atrial/ or patent foramen ovale.mp.
35 PFO.mp.
36 or/32-35

KQ 28 Cerebral venous sinus thrombosis
Unfiltered search

32 exp Sinus Thrombosis, Intracranial/ or cerebral venous sinus thrombosis.mp.
33 exp "Intracranial Embolism and Thrombosis"/ or exp Intracranial Thrombosis/ or cerebral venous thrombosis.mp.
34 dural sinus thrombosis.mp.
35 cerebral vein thrombosis.mp.
36 or/32-35
39 warfarin.mp. or exp Warfarin/
40 exp Heparin/ or heparin.mp.
41 aspirin.mp. or exp Aspirin/
42 exp Platelet Aggregation Inhibitors/ or clopidogrel.mp.
43 dipyridamole.mp. or exp Dipyridamole/
44 exp Thrombolytic Therapy/
45 thromboly\$.mp.
46 or/39-45
47 36 and 46

KQ 29 Extracranial arterial dissection
RCT and observational studies

9 exp Carotid Artery, Internal, Dissection/ or exp Vertebral Artery Dissection/ or extracranial arterial dissection.mp.
10 arter\$ dissection.mp.
11 (dissected adj2 artery).mp.
12 or/9-11
13 warfarin.mp. or exp Warfarin/
14 aspirin.mp. or exp Aspirin/
15 exp Stents/
16 stent\$.mp.
17 13 or 14 or 15 or 16
18 12 and 17

KQ 30 and 31 PICH (1996-2006 because of paucity of results)
Unfiltered search

37 primary intracranial hemorrhage.mp.
38 primary intracranial haemorrhage.mp.
39 PICH.mp.
40 *"Cerebral Hemorrhage"/
41 or/37-39
42 primary intracerebral haemorrhage.mp.
43 primary intracerebral hemorrhage.mp.
44 primary.mp.

- 45 40 and 44
- 46 Cerebral Hemorrhage/dt, su, th [Drug Therapy, Surgery, Therapy]
- 47 41 or 42 or 43 or 45 or 46

KQ 31(b, c, d) and 32 PICH / haemorrhagic transformation RCTs

- 32 primary intracranial hemorrhage.mp.
- 33 primary intracranial haemorrhage.mp.
- 34 primary intracerebral hemorrhage.mp.
- 35 primary intracerebral haemorrhage.mp.
- 36 PICH.mp.
- 37 acute intracerebral hemorrhage.mp.
- 38 acute intracerebral haemorrhage.mp.
- 39 Cerebral Hemorrhage/ or intraventricular hemorrhage.mp. or Intracranial Hemorrhages/
- 40 intraventricular haemorrhage.mp.
- 41 haemorrhagic transformation.mp.
- 42 hemorrhagic transformation.mp.
- 43 or/32-42
- 46 aspirin.mp. or exp Aspirin/
- 47 dipyridamole.mp. or exp Dipyridamole/
- 48 (clopidogrel or Plavix).mp.
- 49 ticlopidine.mp. or exp Ticlopidine/
- 50 abciximab.mp. or exp Platelet Aggregation Inhibitors/
- 51 exp Salicylates/ or triflusal.mp.
- 52 exp Lovastatin/ or exp Antilipemic Agents/ or exp Anticholesteremic Agents/ or exp Hydroxymethylglutaryl-CoA Reductase Inhibitors/ or statin\$.mp.
- 53 simvastatin\$.mp. or Simvastatin/
- 54 ezetemibe.mp.
- 55 nicotinamide.mp. or exp Niacinamide/
- 56 cholestyramine.mp. or exp Cholestyramine/
- 57 exp Anticoagulants/ or exp Warfarin/
- 58 (anticoagul\$ or warfarin\$ or coumarin\$).mp.
- 59 exp Heparin, Low-Molecular-Weight/ or exp Heparin/
- 60 heparin\$.mp.
- 61 (atorvastatin or fluvastatin or pravastatin or rosuvastatin or simvastatin).mp.
- 62 or/46-61
- 63 or/32-42
- 64 62 and 63

KQ40 Compliance Unfiltered search

- 1. exp Patient Compliance/
- 2. exp Treatment Refusal/
- 3. ((patien\$ or user\$ or treat\$ or drug\$ or medicat\$) adj3 (cooperat\$ or refus\$ or compliance of concord\$ or noncompl\$ or non-compl\$ or adheren\$ or non-adhere\$ or nonadhere\$)).tw.
- 4. or/1-3

KQ 41 and 42 Stroke Secondary Prevention Unfiltered search

- 9. ((\$second\$ or recur\$) adj2 (prevent\$ or stroke\$)).tw.
- 10. exp Obesity/
- 11. exp Overweight/
- 12. (overweight\$ or obes\$).tw.
- 13. exp Weight Loss/
- 14. weight loss.tw.
- 15. weight reduction.tw.
- 16. reducing weight.tw.

17. exp Exercise/
18. exp Exercise Therapy/
19. exp Sports/
20. exp "Physical Education and Training"/
21. exp Exertion/
22. rehabilitat\$.tw.
23. (physical\$ adj2 (fit or fitness or train\$ or activit\$)).tw.
24. (train\$ adj2 (strength\$ or aerobic\$)).tw.
25. (aerobic\$ adj2 exercise\$).tw.
26. (exercise\$ adj2 train\$).tw.
27. kinesitherap\$.tw.
28. kinesiotherap\$.tw.
29. exp Smoking Cessation/
30. exp "Tobacco Use Disorder"/
31. exp Tobacco/
32. exp Nicotine/
33. exp Tobacco, Smokeless/
34. exp Smoking/
35. ((quit\$ or stop\$ or ceas\$ or giv\$) adj2 smok\$).tw.
36. exp Tobacco Smoke Pollution/
37. exp diet therapy/ or exp caloric restriction/ or exp diet, fat-restricted/ or exp diet, sodium-restricted/ or exp diet, vegetarian/
38. exp Sodium, Dietary/
39. exp dietary fats/ or exp cholesterol, dietary/
40. (salt or sodium).tw.
41. exp Fruit/
42. exp Vegetables/
43. (fruit\$ or vege\$).tw.
44. (diet\$ adj3 fat\$).tw.
45. or/9-44

KQ43 Independence

Unfiltered search

1. exp "Activities of Daily Living"/
2. exp Self Care/
3. exp Cerebrovascular Accident/rh [Rehabilitation]
4. (independen\$ adj3 (liv\$ or strok\$ or cerebro\$ or carotid\$ or patient\$)).tw.
5. (activ\$ adj2 liv\$).tw.
6. ADL.tw.
7. (self\$ adj2 (care or manag\$)).tw.
8. or/1-7

[tw=text word]

[mp=title, original title, abstract, name of substance word, subject heading word]