

Search strategies

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Methods

The 2023 edition of the National Clinical Guideline for Stroke searches questions according to the Scope found [here](#). Note that questions 17, 20, 46 are not searched; formal literature searching of the narrowly defined research questions would not have adequately encompassed the clinical implications of the topics, therefore these were addressed as consensus questions as outlined in the methodology overview found [here](#).

Searches are constructed using a PICO framework where Population (P) terms (see tables below) are combined with Intervention (I) and in some cases Comparison (C) terms. Outcomes (O) are not used in search strategies for interventions as these concepts may not be well described in title, abstract or indexes and therefore difficult to retrieve.

The Cochrane Library is searched by the Scottish Intercollegiate Guidelines Network. For the Cochrane Library searches, questions are grouped and searches run simultaneously, for example questions with the same population involving comparing several interventions. This can make it possible to carry out one search that covers all interventions.

Search filters and limits

Literature searches undertaken for this guideline updated are filtered where suggested by topic group lead and editor, or for searches with an unmanageably high output (see Scottish Intercollegiate Guidelines Network (SIGN) search filters: p56).

The scope of the search will be limited by the following:

- a. Date – searches will only include publications since January 2015 (since searches for the fifth edition of the guideline concluded). In instances where questions address new topics for 2023, editors and topic group leads may decide on a case-by-case basis to extend the search further back to provide further context.
- b. Animal studies – these will be excluded.
- c. Language – searches will be limited to English language.

Screening

The initial search results are screened for titles and abstracts that were clearly irrelevant and excluded. In case of doubt about a title-only result, the abstract is obtained, reviewed and, if clearly irrelevant, excluded.

In cases where a Cochrane or other high-quality systematic review and meta-analysis relevant to a topic was published within the last two years, further searches are not done and constituent papers within the meta-analysis are excluded. If substantial high-quality evidence is available, additional new small trials are also excluded.

Search strategies for Cochrane Library

Stroke population stem	
ID	Search
#1	stroke
#2	MeSH descriptor: [Stroke] explode all trees
#3	MeSH descriptor: [Intracranial Hemorrhages] explode all trees
#4	MeSH descriptor: [Brain Ischemia] explode all trees
#5	MeSH descriptor: [Intracranial Hemorrhages] explode all trees
#6	MeSH descriptor: [Intracranial Embolism and Thrombosis] explode all trees
#7	MeSH descriptor: [Brain Infarction] explode all trees
#8	MeSH descriptor: [Ischemic Attack, Transient] explode all trees
#9	MeSH descriptor: [Hemorrhagic Stroke] explode all trees
#10	MeSH descriptor: [Ischemic Stroke] explode all trees
#11	#1 or #2 or #3 or #4 or #5 or #6 or #7 or #8 or #9 or #10 with Cochrane Library publication date Between Jan 2016 and Sep 2021

Questions 1, 15, 42	
ID	Search
#12	MeSH descriptor: [Mechanical Thrombolysis] explode all trees
#13	MeSH descriptor: [Thrombectomy] explode all trees
#14	MeSH descriptor: [Tenecteplase] explode all trees
#15	MeSH descriptor: [Tissue Plasminogen Activator] explode all trees
#16	MeSH descriptor: [Mobile Health Units] explode all trees
#17	MeSH descriptor: [Emergency Service, Hospital] explode all trees
#18	MeSH descriptor: [Emergency Medical Services] explode all trees
#19	MeSH descriptor: [Diagnostic Imaging] explode all trees
#20	MeSH descriptor: [Computed Tomography Angiography] explode all trees
#21	MeSH descriptor: [Magnetic Resonance Angiography] explode all trees
#22	MeSH descriptor: [Electrocardiography] explode all trees
#23	MeSH descriptor: [Electrocardiography] explode all trees
#24	MeSH descriptor: [Neuroimaging] explode all trees
#25	MeSH descriptor: [Ultrasonography, Doppler] explode all trees
#26	thrombolysis
#27	mobile stroke unit
#28	first line imaging
#29	hyper-acute care
#30	#12 or #13 or #14 or #15 or #16 or #17 or #18 or #19 or #20 or #21 or #22 or #23 or #24 or #25 or ##26 or #27 or #28 or #29
#31	#11 and #30

Questions 40, 51, 52, 56	
ID	Search
#12	return to work

#13	follow up
#14	post discharge
#15	after care
#16	informal support
#17	post stroke fatigue
#18	person-centred rehabilitation
#19	dependency
#20	MeSH descriptor: [Aftercare] explode all trees
#21	MeSH descriptor: [Patient Discharge] explode all trees
#22	MeSH descriptor: [Return to Work] explode all trees
#23	MeSH descriptor: [Independent Living] explode all trees
#24	#12 or #13 or #14 or #15 or #16 or #17 or #18 or #19 or #20 or #21 or #22 or #23
#25	#11 and #24

Questions 6, 7	
ID	Search
#12	atrial fibrillation
#13	vitamin k agonist
#14	direct oral anticoagulant
#15	cardiac monitoring
#16	MeSH descriptor: [Atrial Fibrillation] explode all trees
#17	MeSH descriptor: [Vitamin K Epoxide Reductases] explode all trees
#18	MeSH descriptor: [Anticoagulants] explode all trees
#19	oral
#20	#18 and #19
#21	#12 or #13 or #14 or #15 or #16 or #17 or #20
#22	#11 and #21

Question 23	
ID	Search
#12	visual field defect
#13	MeSH descriptor: [Visual Field Tests] explode all trees
#14	#12 or #13
#15	#11 and #14

Questions 26, 32, 47, 48, 49, 50, 57, 59	
ID	Search
#12	dysphagia
#13	limb function
#14	MeSH descriptor: [Deglutition Disorders] explode all trees
#15	MeSH descriptor: [Recovery of Function] explode all trees

#16	MeSH descriptor: [Arm] explode all trees
#17	MeSH descriptor: [Anxiety] explode all trees
#18	MeSH descriptor: [Depression] explode all trees
#19	MeSH descriptor: [Apathy] explode all trees
#20	MeSH descriptor: [Fear] explode all trees
#21	MeSH descriptor: [Nutritional Support] explode all trees
#22	eating support
#23	nutrition therapy
#24	recovery of function
#25	anxiety
#26	depression
#27	apathy
#28	fear
#29	#12 or #13 or #14 or #14 or #15 or #16 or #17 or #18 or #19 or #20 or 21 or #22 or #23 or #24 or #25 or #26 or #27 or #28
#30	#11 and #29

Questions 28, 29, 33, 34, 35, 36, 53	
ID	Search
#12	electrical stimulation
#13	body function
#14	activities of daily living
#15	gait
#16	foot drop
#17	arm function
#18	walking
#19	constraint induced movement
#20	repetitive task training
#21	motor function
#22	resistance training
#23	exercise training
#24	vagal nerve stimulation
#25	MeSH descriptor: [Electric Stimulation Therapy] explode all trees
#26	MeSH descriptor: [Gait] explode all trees
#27	MeSH descriptor: [Walking] explode all trees
#28	MeSH descriptor: [Exercise Therapy] explode all trees
#29	MeSH descriptor: [Physical and Rehabilitation Medicine] explode all trees
#30	MeSH descriptor: [Vagus Nerve Stimulation] explode all trees
#31	#12 or #13 or #14 or #15 or #16 or #17 or #18 or #19 or #20 or #21 or #22 or #23 or #24 or #25 or #26 or #27 or #28 or #29 or #30
#32	#11 and #31

Questions 2, 13, 44	
ID	Search

#12	MeSH descriptor: [Ischemic Stroke] explode all trees
#13	MeSH descriptor: [Ischemic Attack, Transient] explode all trees
#14	MeSH descriptor: [Platelet Aggregation Inhibitors] explode all trees
#15	transient ischaemic stroke
#16	antiplatelet
#17	short term vascular prevention
#18	transient ischaemic stroke imaging
#19	ischaemic conditioning
#20	MRI
#21	CT
#22	transcranial doppler
#23	MeSH descriptor: [Magnetic Resonance Imaging] explode all trees
#24	MeSH descriptor: [Diagnostic Techniques and Procedures] explode all trees
#25	#12 or #13 or #14 or #15 or #16 or #17 or #18 or #19 or #20 or #21 or #22 #23 or #24
#26	#11 and #25

Questions 21, 22	
ID	Search
#12	end of life
#13	eating
#14	nutrition
#15	artificial feeding
#16	artificial hydration
#17	MeSH descriptor: [Terminal Care] explode all trees
#18	MeSH descriptor: [Nutritional Support] explode all trees
#19	#12 or #13 or #14 or #15 or #16 or #17 or #18
#20	#11 and #19

Questions 24, 41, 43	
ID	Search
#12	MeSH descriptor: [Delivery of Health Care, Integrated] explode all trees
#13	MeSH descriptor: [Delivery of Health Care] explode all trees
#14	MeSH descriptor: [Patient Care Management] explode all trees
#15	MeSH descriptor: [Health Services Administration] explode all trees
#16	MeSH descriptor: [Personnel Staffing and Scheduling] explode all trees
#17	MeSH descriptor: [Specialization] explode all trees
#18	MeSH descriptor: [Standard of Care] explode all trees
#19	MeSH descriptor: [Standard of Care] explode all trees
#20	MeSH descriptor: [Subacute Care] explode all trees
#21	MeSH descriptor: [Stroke Rehabilitation] explode all trees
#22	#12 or #13 or #14 or #15 or #16 or #17 or #18 or #19 or #20 or #21
#23	#11 and #22

Questions 3, 10, 11, 12	
ID	Search
#12	MeSH descriptor: [Thrombectomy] explode all trees
#13	MeSH descriptor: [Mechanical Thrombolysis] explode all trees
#14	MeSH descriptor: [Basilar Artery] explode all trees
#15	MeSH descriptor: [Anesthesia, Local] explode all trees
#16	MeSH descriptor: [Anesthesia, General] explode all trees
#17	MeSH descriptor: [Patient Selection] explode all trees
#18	thrombectomy
#19	thrombolysis
#20	basilar artery thrombosis
#21	MeSH descriptor: [Operative Time] explode all trees
#22	MeSH descriptor: [Preoperative Period] explode all trees
#23	#12 or #13 or #14 or #15 or #16 or #17 or #18 or #19 or 20 or #21 or 22
#24	#11 and #23

Questions 14 and 19	
ID	Search
#12	intracranial hemorrhage
#13	MeSH descriptor: [Intracranial Hemorrhages] explode all trees
#14	#12 or #13
#15	DOAC
#16	blood pressure

Questions 5, 8 9, 17, 18, 20	
ID	Search
#12	cerebral microbleed
#13	secondary prevention
#14	cerebral amyloid angiopathy
#15	cadasil
#16	Cerebral Autosomal Dominant Arteriopathy with Sub-cortical Infarcts and Leukoencephalopathy
#17	vascular prevention
#18	antiplatelet therapy
#19	lipid lowering
#20	statins
#21	LDL cholesterol
#22	MeSH descriptor: [Secondary Prevention] explode all trees
#23	MeSH descriptor: [Cerebral Amyloid Angiopathy] explode all trees
#24	MeSH descriptor: [CADASIL] explode all trees
#25	MeSH descriptor: [Cholesterol] explode all trees

#26	MeSH descriptor: [Hydroxymethylglutaryl-CoA Reductase Inhibitors] explode all trees
#27	MeSH descriptor: [Heptanoic Acids] explode all trees
#28	MeSH descriptor: [Naphthalenes] explode all trees
#29	MeSH descriptor: [Pravastatin] explode all trees
#30	MeSH descriptor: [Rosuvastatin Calcium] explode all trees
#31	MeSH descriptor: [Simvastatin] explode all trees
#32	#12 or #13 or #14 or #15 or #16 or #17 or #18 #19 or #20 or #21 or #22 or #23 or #24 or #25 or #26 or #27 or #28 or #29 or #30 or #31
#33	#11 and #32

Questions 38, 39, 45	
ID	Search
#12	blood pressure
#13	vascular prevention
#14	vascular risk
#15	antithrombotics
#16	MeSH descriptor: [Blood Pressure Monitors] explode all trees
#17	MeSH descriptor: [] explode all trees
#18	MeSH descriptor: [Fibrinolytic Agents] explode all trees
#19	#12 or #13 or #14 or #15 or #16 or #17 or #18
#20	#11 and #19

Search strategy population stems (MEDLINE, EMBASE, AMED, PsycInfo)

1.1 Stroke population stem	
MEDLINE	(stroke.mp. OR exp *Stroke/ OR exp Cerebral Hemorrhage/ OR (stroke or strokes or cva or poststroke\$ or apoplexy or "cerebrovascular accident").ab,ti. OR ((cerebro\$ or brain or brainstem or cerebral\$) adj3 (infarct\$ or accident\$)).ab,ti. OR "cerebral infarct\$".mp,ti.) NOT (letter.pt. OR letter\$/ OR editorial.pt. OR historical article.pt. OR case report/ OR case study/ OR exp animal/ not human/ OR nonhuman/ OR exp Animal experimentation/ OR Animals, Laboratory/ OR exp animal model/)
EMBASE	(stroke.mp. exp *Stroke/ OR exp Cerebral Hemorrhage/ OR (stroke or strokes or cva or poststroke\$ or apoplexy or "cerebrovascular accident").ab,ti. ((cerebro\$ or brain or brainstem or cerebral\$) adj3 (infarct\$ or accident\$)).ab,ti. OR "cerebral infarct\$".mp.) NOT (letter.pt. OR letter\$/ OR editorial.pt. OR historical article.pt. OR case report/ OR case study/ OR exp animal/ not human/ OR nonhuman/ OR exp Animal experimentation/ OR Animals, Laboratory/ OR exp animal model/)
AMED	stroke.mp. OR exp stroke/ OR exp Cerebral hemorrhage/ OR (stroke or strokes or cva or poststroke\$ or apoplexy or "cerebrovascular accident").ti,ab. OR ((cerebro\$

	or brain or brainstem or cerebral\$) adj3 (infarct\$ or accident\$)).ti,ab. OR "brain attack\$".ti,ab.
PsycInfo	<p>stroke.mp. OR exp Cerebrovascular Accidents/ or exp Cerebral Ischemia/ OR exp Cerebral Hemorrhage/ OR (stroke or strokes or cva or poststroke\$ or apoplexy or "cerebrovascular accident").ab,ti. OR ((cerebro\$ or brain or brainstem or cerebral\$) adj3 (infarct\$ or accident\$)).ab,ti. OR cerebral infarct\$.mp,ti. OR cerebrovascular accident.mp.</p> <p>NOT (Animals/ OR Animal Models/ OR Animal Research/ OR Female Animals/ OR Male Animals/ OR "Infants (Animal)"/ OR exp Vertebrates/ OR Octopus/) OR (rat OR rats OR animal OR animals OR mice OR "in vivo" OR mouse OR rabbit OR rabbits OR murine OR pig OR pigs OR dog OR dogs OR bovine OR fish OR vertebrate OR vertebrates OR cat OR cats OR rodent OR rodents OR mammal OR mammals OR chicken OR chickens OR monkey OR monkeys OR sheep OR canine OR canines OR porcine OR cattle OR bird OR birds OR hamster OR hamsters OR primate OR primates OR cow OR cows OR chick OR horse OR horses OR avian OR avians OR calf OR swine OR swines OR xenopus OR turkeys OR bear OR bears OR frog OR frogs OR zebrafish OR goat OR goats OR equine OR calves OR poultry OR macaque OR macaques OR mole OR moles OR ovine OR lamb OR lambs OR fishes OR diptera OR amphibian OR amphibians OR snake OR snakes OR ruminant OR ruminants OR hen OR hens OR piglet OR piglets OR feline OR felines OR simian OR simians OR laevis OR trout OR trouts OR teleost OR teleosts OR salmon OR salmons OR seal OR seals OR bull OR bulls OR ewe OR ewes OR hedgehog OR hedgehogs OR macaca OR macacas OR proteus OR pigeon OR pigeons OR bat OR bats OR duck OR ducks OR chimpanzee OR chimpanzees OR baboon OR baboons OR deer OR deers OR rana OR ranas OR carp OR carps OR heifer OR swallow OR swallows OR lizard OR lizards OR canis OR sow OR sows OR cynomolgus OR quail OR quails OR reptile OR reptiles OR turtle OR turtles OR buffalo OR gerbil OR gerbils OR boar OR boars OR squirrel OR squirrels OR oncorhynchus OR mus OR toad OR toads OR fowl OR fowls OR rerio OR danio OR ara OR aras OR musculus OR tadpole OR tadpoles OR mulatta OR salmo OR ram OR eagle OR eagles OR ferret OR ferrets OR goldfish OR catfish OR whale OR whales OR fox OR foxes OR ape OR apes OR elephant OR elephants OR bos OR marmoset OR marmosets OR cod OR cods OR shark OR sharks OR wolf OR eel OR eels OR auratus OR rattus OR zebra OR zebras OR tilapia OR tilapias OR gilt OR camel OR camels OR squid OR gallus OR marsupial OR marsupials OR vole OR voles OR fascicularis OR ovis OR salmonid OR salmonids OR tiger OR tigers OR dolphin OR dolphins OR robin OR robins OR carpio OR opossum OR opossums OR cyprinus OR salamander OR salamanders OR felis OR mink OR minks OR swan OR swans OR norvegicus OR bufo OR torpedo OR bass OR lamprey OR lampreys OR sus OR python OR pythons OR tetrapod OR tetrapods OR shrew OR shrews OR lion OR lions OR hog OR hogs OR songbird OR songbirds OR oreochromis OR starling OR starlings OR caprine OR carassius OR owl OR owls OR newt OR newts OR papio OR scrofa OR hare OR hares OR gorilla OR gorillas OR flounder OR flounders OR goose OR herring OR herrings OR therian OR buffaloes OR canary OR sparrow OR sparrows OR microtus OR octopus OR troglodytes OR tuna OR amphibia OR chinchilla OR chinchillas OR ide OR oryzias OR cervus OR kangaroo OR kangaroos OR armadillo OR armadillos OR callithrix OR "pan troglodytes" OR saimiri OR cichlid OR cichlids OR donkey OR donkeys OR bream OR char OR chars OR finch OR raccoon OR raccoons OR bothrops OR anguilla OR perch OR cricetus OR seabird OR seabirds OR buck OR</p>

bucks OR naja OR coturnix OR salmonids OR geese OR minnow OR minnows OR raptor OR raptors OR merione OR meriones OR rodentia OR elaphus OR amniote OR amniotes OR elasmobranch OR emu OR emus OR peromyscus OR hominid OR hominids OR bubalus OR crotalus OR gull OR gulls OR anas OR anura OR lemur OR lemurs OR crow OR crows OR camelus OR gibbon OR gibbons OR waterfowl OR parrot OR parrots OR eels OR cob OR stickleback OR sticklebacks OR columba OR mesocricetus OR ambystoma OR raven OR ravens OR gadus OR penguin OR penguins OR orangutan OR orangutans OR sturgeon OR sturgeons OR cuculus OR aves OR virginianus OR cephalopod OR cephalopods OR cebus OR sparus OR tortoise OR tortoises OR guttata OR morhua OR unguiculatus OR dogfish OR vulpes OR mallard OR mallards OR apodemus OR alligator OR alligators OR oryctolagus OR llama OR llamas OR reindeer OR mustela OR duckling OR ducklings OR wolves OR sander OR amazona OR zebu OR badger OR badgers OR dove OR doves OR ictalurus OR capra OR capras OR equus OR camelid OR camelids OR poecilia OR mule OR mules OR perciformes OR salvelinus OR labrax OR cyprinidae OR ariidae OR crocodile OR crocodiles OR fundulus OR dicentrarchus OR clarias OR cercopithecus OR chiroptera OR alpaca OR alpacas OR pike OR pikes OR paralichthys OR puma OR pumas OR didelphis OR pisces OR macropus OR triturus OR bison OR bisons OR epinephelus OR gasterosteus OR panthera OR acipenser OR mackerel OR mackerels OR tamarin OR tamarins OR ostrich OR anolis OR vervet OR vervets OR wallaby OR glareolus OR beaver OR beavers OR dromedary OR catus OR killifish OR pimephales OR promelas OR aotus OR phoca OR panda OR pandas OR porpoise OR porpoises OR myotis OR yak OR yaks OR agkistrodon OR vipera OR otter OR otters OR turbot OR turbots OR squamate OR carnivora OR mullet OR mullets OR hawk OR hawks OR taeniopygia OR seahorse OR seahorses OR "poecilia reticulata" OR falcon OR falcons OR prosimian OR prosimians OR parus OR perca OR fingerling OR fingerlings OR antelope OR antelopes OR tupaia OR passeriformes OR sepia OR saguinus OR coyote OR coyotes OR pongo OR meleagris OR reptilia OR lepus OR psittacine OR hagfish OR warbler OR warblers OR "russell s viper" OR "russell s vipers" OR smolt OR smolts OR budgerigar OR sardine OR sardines OR cavia OR caviar OR hyla OR pleurodeles OR siluriformes OR "great tit" OR "great tits" OR guppy OR bonobo OR bonobos OR rutilus OR trichosurus OR muridae OR phodopus OR channa OR squalus OR lynx OR sturnus OR petromyzon OR vitulina OR monodelphis OR cuttlefish OR adder OR adders OR lepomis OR canaria OR gambusia OR guppies OR xiphophorus OR flatfish OR koala OR koalas OR labeo OR stingray OR stingrays OR chelonia OR lampetra OR spermophilus OR crocodilian OR "passer domesticus" OR sciurus OR artiodactyla OR ranidae OR corvus OR necturus OR platypus OR canaries OR bovid OR lagopus OR trimeresurus OR gariepinus OR marten OR martens OR drosophilidae OR mugil OR sunfish OR porcellus OR cypriniformes OR alouatta OR scophthalmus OR anser OR electrophorus OR putorius OR iguana OR iguanas OR lama OR lamas OR takifugu OR circus OR eptesicus OR flycatcher OR galago OR galagos OR trachemys OR lungfish OR characiformes OR shorebird OR shorebirds OR giraffe OR giraffes OR micropterus OR scyliorhinus OR cichlidae OR loligo OR porcupine OR porcupines OR chub OR chubs OR solea OR pleuronectes OR hylidae OR viperidae OR echis OR sorex OR anchovy OR lagomorph OR ostriches OR vulture OR vultures OR whitefish OR araneus OR jird OR jirds OR tern OR esox OR drake OR drakes OR elapidae OR gallopavo OR chordata OR myodes OR caretta OR serinus OR grouse OR misgurnus OR meles OR blackbird OR

blackbirds OR coregonus OR bobwhite OR bobwhites OR heteropneustes OR mammoth OR mammoths OR turdus OR rhinella OR ateles OR characidae OR clupea OR bungarus OR brill OR "struthio camelus" OR sloth OR sloths OR pteropus OR sculpin OR anthropoids OR pollock OR pollocks OR morone OR "pan paniscus" OR litoria OR chipmunk OR chipmunks OR balaenoptera OR marmota OR melopsittacus OR hyrax OR lemming OR lemmings OR halibut OR hylobates OR lates OR caiman OR caimans OR sigmodon OR stenella OR barbel OR barbels OR sterna OR parakeet OR parakeets OR phocoena OR leptodactylus OR canidae OR buteo OR harengus OR gopher OR gophers OR marmot OR marmots OR gosling OR goslings OR platichthys OR gar OR gars OR sebastes OR marsupialia OR notophthalmus OR gazelle OR gazelles OR insectivora OR paridae OR felidae OR russula OR galliformes OR bombina OR colobus OR echidna OR echidnas OR seabass OR syncerus OR plaice OR "blue tit" OR "blue tits" OR pagrus OR catfishes OR cetacea OR barbus OR cygnus OR ficedula OR chamois OR colubridae OR perches OR coelacanth OR fitch OR urodela OR cynops OR martes OR halichoerus OR aix OR salmonidae OR leuciscus OR magpie OR magpies OR silurus OR whiting OR whittings OR anseriformes OR colinus OR rhea OR chlorocebus OR octodon OR acinonyx OR mouflon OR mouflons OR ibex OR tetraodon OR bufonidae OR equidae OR jackal OR cephalopoda OR dendroaspis OR glama OR muskrat OR muskrats OR sable OR sables OR wildebeest OR streptopelia OR albifrons OR vespertilionidae OR woodpecker OR woodpeckers OR muntjac OR muntjacs OR archosaur OR branta OR cricetulus OR megalobrama OR poeciliidae OR desmodus OR snakehead OR snakeheads OR tench OR teal OR teals OR bandicoot OR bandicoots OR apteronotus OR phyllostomidae OR crocidura OR buzzard OR buzzards OR larimichthys OR cercocebus OR pipistrellus OR erithacus OR impala OR impalas OR rousettus OR haddock OR haddocks OR tinca OR ratite OR calidris OR cynoglossus OR hypophthalmichthys OR bullock OR bullocks OR dromedaries OR alectoris OR filly OR salamandra OR cingulata OR bitis OR grus OR ammodytes OR macaw OR macaws OR hypoleuca OR sapajus OR cyprinodontiformes OR hippopotamus OR pelophylax OR capybara OR capybaras OR weasel OR weasels OR cairina OR cynomys OR lutra OR cockatoo OR cockatoos OR lachesis OR lagomorpha OR rupicapra OR daboia OR "orang utan" OR "orang utans" OR platyrrhini OR charadriiformes OR micrurus OR psittaciformes OR spalax OR loris OR mustelidae OR sylvilagus OR vitticeps OR cockatiel OR mustelus OR cottus OR erythrocebus OR dipodomys OR platessa OR callicebus OR loricaliidae OR catostomus OR cuneata OR cyanistes OR cyprinodon OR sigmodontinae OR elasmobranchii OR trichechus OR sauropsid OR xenarthra OR dormouse OR perissodactyla OR nautilus OR cirrhinus OR gulo OR gulos OR tragelaphus OR merula OR numida OR sciaenidae OR cerastes OR sciuridae OR gibbosus OR octopuses OR eland OR elands OR phyllomedusa OR pogona OR walrus OR agamidae OR leptodactylidae OR ridibundus OR leontopithecus OR anteater OR anteaters OR pelodiscus OR cebidae OR columbianus OR "pelteobagrus fulvidraco" OR hominoidea OR mandrillus OR "zonotrichia leucophrys" OR agama OR gobiocypris OR "bearded dragon" OR "bearded dragons" OR sarotherodon OR talpa OR discoglossus OR hagfishes OR sphenodon OR gudgeon OR amphiuma OR aythya OR tenrec OR tenrec OR hominidae OR risoria OR salamandridae OR camelidae OR columbiformes OR latimeria OR plover OR plovers OR afrotheria OR "falco sparverius" OR polecat OR

polecats OR crotalinae OR salvadora OR tarsier OR lucioperca OR anchovies OR lungfishes OR terrapin OR "dromaius novaehollandiae" OR lateolabrax OR eigenmannia OR pelamis OR theropithecus OR murinae OR gander OR gymnotus OR pseudacris OR gymnophiona OR gymnotiformes OR laticauda OR falconiformes OR dugong OR dugongs OR pintail OR pintails OR rook OR rooks OR lasiurus OR catshark OR catsharks OR micropogonias OR "red junglefowl" OR paddlefish OR ophiophagus OR hollandicus OR nymphicus OR pimelodidae OR aepyceros OR cobitidae OR strigiformes OR cobitis OR dormice OR alytes OR calloselasma OR guanaco OR guanacos OR phasianidae OR "round goby" OR trichogaster OR catarrhini OR eelpout OR eelpouts OR galaxias OR gaur OR pungitius OR suslik OR susliks OR flatfishes OR percidae OR caprinae OR todarodes OR osmerus OR ameiurus OR anthropeida OR "castor canadensis" OR pouting OR poutings OR tetraodontiformes OR arvicolinae OR siamang OR siamangs OR "castor fiber" OR nomascus OR "red knot" OR "red knots" OR syngnathidae OR iguanidae OR eretmochelys OR ursidae OR callimico OR columbidae OR microhylidae OR anaxyrus OR menidia OR pipistrelle OR greylag OR pipidae OR scandentia OR bowfin OR bowfins OR dendrobatidae OR zenaida OR bushbaby OR harrier OR harriers OR macropodidae OR pygerythrus OR clupeidae OR odorrana OR corvidae OR jerboa OR jerboas OR canutus OR hylobatidae OR clupeiformes OR "great cormorant" OR "great cormorants" OR scorpaeniformes OR chondrostea OR garfish OR proboscidea OR psetta OR diapsid OR serotinus OR tetrao OR walruses OR carcharhiniformes OR leucoraja OR pumpkinseed OR dosidicus OR acipenseriformes OR daubentonii OR emberizidae OR gadiformes OR hyraxes OR stizostedion OR wolverine OR wolverines OR lissotriton OR acanthurus OR centrarchidae OR gloydius OR laurasiatheria OR limosa OR psittacula OR leporidae OR proteidae OR zander OR zanders OR arapaima OR bagridae OR cyprinodontidae OR mithun OR pandion OR jackdaw OR jackdaws OR procyonidae OR carus OR jaculus OR salmoniformes OR "common sole" OR "common soles" OR protobothrops OR calamita OR brachyteles OR trionyx OR turdidae OR boidae OR lusciniidae OR pugnax OR euarchontoglires OR saithe OR saithes OR symphalangus OR aardvark OR aardvarks OR oystercatcher OR oystercatchers OR arius OR corydoras OR poacher OR poachers OR aurochs OR cebuella OR crecca OR lemuridae OR sirenia OR lemming OR perdix OR glires OR lepidosaur OR muskox OR deinagkistrodon OR pholidota OR holocephali OR cercopithecinae OR clariidae OR agapornis OR doryteuthis OR tyrannidae OR dicroglossidae OR godwit OR godwits OR monedula OR pongidae OR atheriniformes OR colobinae OR lophocebus OR atelidae OR cottidae OR leucopsis OR acanthuridae OR didelphimorphia OR elver OR elvers OR lapponica OR dermoptera OR "european hake" OR "european hakes" OR gerbillinae OR banteng OR hartebeest OR hartebeests OR hogget OR haematopus OR "anguis fragilis" OR "grey heron" OR "grey herons" OR "blue whiting" OR "blue whittings" OR furnariidae OR macrovipera OR esocidae OR lapwing OR lapwings OR mylopharyngodon OR wallabia OR beloniformes OR potoroo OR potoroos OR "athene noctua" OR pleuronectidae OR bushbabies OR muscipidae OR alligatoridae OR fuligula OR "bush baby" OR guineafowl OR spoonbill OR spoonbills OR viverridae OR catostomidae OR zebrafishes OR ibexes OR vendace OR estrilidae OR monotremata OR sepiella OR ambystomatidae OR shelduck OR shelducks OR treeshrew OR treeshrews OR hoplobatrachus OR

pochard OR hoolock OR hoolocks OR lynxes OR antilope OR antilopes OR blackbuck OR blackbucks OR cricetinae OR paramisgurnus OR skylark OR skylarks OR soleidae OR allobates OR "northern wheatear" OR "northern wheatears" OR pitheciidae OR takin OR theria OR vanellus OR galaxiidae OR lorisidae OR ostralegus OR palaeognathae OR "stone loach" OR alauda OR callitrichinae OR caniformia OR duttaphrynus OR ictaluridae OR osteoglossiformes OR poultries OR curema OR "ruddy turnstone" OR "ruddy turnstones" OR sheatfish OR sunfishes OR centropomidae OR hemachatus OR platalea OR thamnophilidae OR "song thrush" OR atherinopsidae OR siluridae OR tadorna OR chroicocephalus OR ermine OR ermines OR gavialis OR ruffe OR tupaiidae OR diprotodontia OR hyaenidae OR antilopinae OR crocodylidae OR herpestidae OR hippopotamidae OR "northern shoveler" OR "round gobies" OR cheirogaleidae OR indriidae OR fundulidae OR pythonidae OR rhynchocephalia OR anodorhynchus OR "red-backed shrike" OR "red-backed shrikes" OR triakidae OR phalangeridae OR aoudad OR boreoeutheria OR "eurasian jay" OR "eurasian jays" OR feliformia OR haplorhini OR osteoglossidae OR paenungulata OR struthioniformes OR ferina OR sanderling OR sanderlings OR spheniscidae OR cuttlefishes OR cygnet OR dasycneme OR gadwall OR gadwalls OR "pelobates fuscus" OR wryneck OR wrynecks OR afrosoricida OR culaea OR "dover sole" OR "dover soles" OR paralichthyidae OR passeridae OR osteolaemus OR "song thrushes" OR bluethroat OR bluethroats OR hydrophiidae OR megrim OR mephitidae OR strepsirhini OR tomistoma OR epidalea OR osmeriformes OR "bush babies" OR tarsiiform OR atelinae OR bufotes OR "eurasian coot" OR "eurasian coots" OR galagidae OR geopelia OR philomachus OR tubulidentata OR bombinatoridae OR pelobatidae OR tachysurus OR ailuridae OR woodlark OR woodlarks OR alcelaphinae OR redshank OR redshanks OR salientia OR "sand smelt" OR "sand smelts" OR woodmice OR woodmouse OR dasyproctidae OR "eurasian wigeon" OR "eurasian wigeons" OR garganey OR garganeys OR "lemon sole" OR "lemon soles" OR "common dab" OR "common dabs" OR graylag OR graylags OR leucorodia OR osphronemidae OR bewickii OR "common moorhen" OR "common moorhens" OR decapodiformes OR gobbler OR gobblers OR odontophoridae OR paddlefishes OR eutheria OR salmonine OR esociformes OR "eurasian woodcock" OR "eurasian woodcocks" OR "european smelt" OR "european smelts" OR goldfishes OR tenches OR tyranni OR "common chaffinch" OR "common chaffinches" OR "common redstart" OR "common redstarts" OR "common roach" OR "common roachs" OR "great knot" OR "great knots" OR potoroidae OR alytidae OR coregonine OR dipteral OR leveret OR "poeciliopsis gracilis" OR amphiumidae OR batrachoidiformes OR "bighead goby" OR heteropneustidae OR lullula OR "norway pout" OR "norway pouts" OR sipunculida OR dogfishes OR sebastidae OR tarsiidae OR alethinophidia OR "common nase" OR "common nases" OR "common sandpiper" OR "common sandpipers" OR "eurasian blackcap" OR "eurasian blackcaps" OR pterocnemia OR syngnathiformes OR "common chaffinches" OR eupleridae OR octopodiformes OR phascolarctidae OR scophthalmidae OR "starry smooth-hound" OR "starry smooth-hounds" OR whitefishes OR cuniculidae OR "european sprat" OR "european sprats" OR "rosy bitterling" OR "rosy bitterlings" OR "common dace" OR "common daces" OR "lesser weever" OR "lesser weevers" OR scaldfish OR "water rail" OR "water rails" OR alouattinae OR centrarchiformes OR "common whitethroat" OR "common whitethroats" OR gavialidae OR "grey gurnard" OR "grey gurnards" OR lateolabracidae OR rheiformes OR "tub gurnard"

	OR "tub gurnards" OR "common chiffchaff" OR "common chiffchaffs" OR garfishes OR "lesser whitethroat" OR "lesser whitethroats" OR myoxidae OR seabasses OR spariformes OR umbridae OR "yellow boxfish" OR anabantiformes OR aotidae OR "common bleak" OR "common bleaks" OR "common rudd" OR "common rudds" OR "greater pipefish" OR hapale OR nandiniidae OR "stone loaches" OR whinchat OR whinchats OR acanthuriformes OR "brotula barbata" OR "common ling" OR "common lings" OR "common roaches" OR cottonrat OR cottonrats OR douroucoulis OR dromaiidae OR fitches OR fitchew OR galaxiiformes OR laprine OR saimiriinae OR solenette OR tarsii OR "tompot blenny" OR "common dragonet" OR "common dragonets" OR "longspined bullhead" OR "longspined bullheads" OR monotremate OR monotremates OR pempheriformes OR perdicinae OR presbytini OR smegmamorpha OR "bighead gobies" OR "carangaria incertae sedis" OR coiidae OR "fivebeard rockling" OR foulmart OR fougart OR grasskeet OR "greater pipefishes" OR ibices OR millionfish OR muguliformes OR "norwegian topknot" OR peewit OR "red sea sailfin tang" OR rupicapras OR sheatfishes OR "tompot blennies" OR "twait shad" OR "yellow boxfishes").ti,ab,id.
PsycInfo animal filter from (van der Mierden et al., 2021)	

1.2 Transient ischaemic attack (TIA) or minor stroke population stem	
MEDLINE	exp transient ischemic attack/ OR ((mini or minor or mild) adj2 (stroke or strokes)).tw. OR TIA\$.tw. OR (isch?emi\$ adj2 attack\$).tw. NOT (letter.pt. OR letter\$/ OR editorial.pt. OR historical article.pt. OR case report/ case study/ OR exp animal/ not human/ OR nonhuman/ OR exp Animal experimentation/ OR Animals, Laboratory/ OR exp animal model/
EMBASE	exp Ischemic Attack, Transient/ OR ((mini or minor or mild) adj2 (stroke or strokes)).tw. OR TIA\$.tw. OR (isch?emi\$ adj2 attack\$).tw. NOT letter.pt. OR letter\$/ OR editorial.pt. OR historical article.pt. OR case report/ case study/ OR exp animal/ not human/ OR nonhuman/ OR exp Animal experimentation/ OR Animals, Laboratory/ OR exp animal model/

1.3 Intracerebral Haemorrhage (ICH) population stem	
MEDLINE	*intracranial Hemorrhages/ OR exp cerebral hemorrhage/ OR ((intracerebral or intracranial) adj2 (hemorrhag\$ or haemorrhag\$ or bleed\$)).ti,ab. OR ICH.ti,ab. OR ((hemorrhagic or haemorrhagic) adj2 stroke\$).ti,ab. OR exp intracranial hemorrhages/ and ((cerebral or brain or cerebell\$) adj2 (hemorrhag\$ or haemorrhag\$ or bleed\$)).ti,ab. NOT <ul style="list-style-type: none"> *intracranial arteriovenous malformations/ NOT exp cerebral hemorrhage/ OR ((intracerebral or intracranial) adj2 (hemorrhag\$ or haemorrhag\$ or bleed\$)).ti,ab. OR (exp child/ or exp infant/) not exp adult/ OR letter.pt. OR letter\$/ OR editorial.pt. OR historical article.pt. OR case report/ OR case report\$.pt. OR case study/ OR exp animal/ not human/ OR Animals, Laboratory/ OR exp

	animal experiment/ OR exp animal model/ OR exp Rodentia/ OR exp rodents/
EMBASE	<p>brain hematoma/ or brain hemorrhage/ or brain ventricle hemorrhage/ or cerebellum hemorrhage/ or massive intracerebral hemorrhage/ OR exp cerebrovascular disease/ and ((cerebral or intracranial or brain or cerebell\$) adj2 (hemorrhag\$ or haemorrhag\$ or bleed\$)).ti,ab. OR ((intracerebral or intracranial or cerebral or cerebell\$ or brain) adj2 (hemorrhag\$ or haemorrhage\$ or bleed\$)).ti,ab. OR ICH.ti,ab. OR ((hemorrhagic or haemorrhagic) adj2 stroke\$).ti,ab.</p> <p>NOT</p> <ul style="list-style-type: none"> • *brain arteriovenous malformation/ NOT [(exp cerebrovascular disease/ and ((cerebral or intracranial or brain or cerebell\$) adj2 (hemorrhag\$ or haemorrhag\$ or bleed\$)).ti,ab. OR ((intracerebral or intracranial or cerebral or cerebell\$ or brain) adj2 (hemorrhag\$ or haemorrhage\$ or bleed\$)).ti,ab.] OR • (exp child/ or exp newborn/ or exp infant/) not adult/ OR letter.pt. OR letter/ OR editorial.pt. OR note.pt. OR case report/ OR case study/ OR exp animal/ not human/ OR nonhuman/ OR exp animal experiment/ OR Animals, Laboratory/ OR exp experimental animal/ OR exp animal experiment/ OR exp animal model/ OR exp Rodentia/

1.4 Thrombectomy stem	
MEDLINE	<p>exp rotational thrombectomy catheter/ or exp thrombectomy catheter/ or exp surgical thrombectomy/ or exp thrombectomy/ or exp thrombectomy device/ or exp percutaneous thrombectomy/ or exp mechanical thrombectomy/ or exp rheolytic thrombectomy/ OR exp balloon embolectomy/ or exp embolectomy/ or exp embolectomy system/ OR (mechanical adj5 (intervention or removal or extraction)).tw. OR ((retrieval or extraction) adj5 device\$).ab,ti. OR (thromboembolect\$ or thrombect\$ or embolect\$ or artherect\$ or thromboaspiration).tw. OR (intervention\$ adj3 (radiolog* or radiograph* or neuroradiolog*)).tw. OR ((clot or thromb\$ or embol\$) adj5 (aspirat\$ or remov\$ or retriev\$ or fragmentation or retract\$ or extract\$ or obliterated\$ or dispers\$)).tw. OR ((merci or concentric) adj retriever).tw. OR (endovascular snare\$ or neuronet or microsnares or X-ciser or angiojet).tw. OR endoluminal repair\$.ti,ab.</p>
EMBASE	<p>exp rotational thrombectomy catheter/ or exp thrombectomy catheter/ or exp surgical thrombectomy/ or exp thrombectomy/ or exp thrombectomy device/ or exp percutaneous thrombectomy/ or exp mechanical thrombectomy/ or exp rheolytic thrombectomy/ OR (exp balloon embolectomy/ or exp embolectomy/ or exp embolectomy system/) OR (mechanical adj5 (intervention or removal or extraction)).tw. OR ((retrieval or extraction) adj5 device\$).tw. OR (thromboembolect\$ or thrombect\$ or embolect\$ or artherect\$ or thromboaspiration).tw. OR (intervention\$ adj3 (radiolog* or radiograph* or neuroradiolog*)).tw. OR ((clot or thromb\$ or embol\$) adj5 (aspirat\$ or remov\$ or retriev\$ or fragmentation or retract\$ or extract\$ or obliterated\$ or dispers\$)).tw. OR</p>

	((merci or concentric) adj retriever).tw. OR (endovascular snare\$ or neuronet or microsnares or X-ciser or angiojet).tw. OR endoluminal repair\$.ti,ab.
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Search strategies for guideline questions (MEDLINE, EMBASE, AMED, PsycInfo)

Question 1: Does thrombolysis improve functional outcomes in patients with ischaemic stroke with unknown (including wake up stroke) or late time of onset?	
MEDLINE	Stroke population stem AND (exp Wakefulness/ or exp Sleep/) OR (wakeup or wake-up or wakes up or wakes-up or waking\$ or awake\$ or awoke).tw. OR (during adj5 sleep\$).tw. OR (whil\$ adj5 (sleep\$ or asleep)).tw. OR ((unknown or unclear or uncertain or indefinite or "not known") adj10 onset).tw. AND Mechanical Thrombolysis/ or exp Fibrinolytic Agents/ or exp Thrombolytic Therapy/ or exp Fibrinolysis/ or exp Tissue Plasminogen Activator/ or Urokinase-Type Plasminogen Activator/ OR ((mechanical or radiolog\$ or pharmacomechanical or laser or endovascular or neurovascular) adj5 (thromboly\$ or reperfusion or fragmentation or aspiration or recanalization or "clot lys\$")).tw. OR (alteplase or tenecteplase or t?tpa or r?tpa or tpa or t?tpa or "tissue plasminogen activator").tw. OR (fibrinoly\$ or thromboly\$ or recanalization).tw. OR ((clot or thromb\$ or embol\$) adj5 (lys\$ or dissol\$ or bust\$)).tw.
Embase	Stroke population stem AND exp wakefulness/ or exp sleep/ OR (wakeup or wake-up or wakes up or wakes-up or waking\$ or awake\$ or awoke).tw. OR (during adj5 sleep\$).tw. OR (whil\$ adj5 (sleep\$ or asleep)).tw. OR ((unknown or unclear or uncertain or indefinite or "not known") adj10 onset).tw. AND exp fibrinolysis/ or exp fibrinolytic agent/ or exp fibrinolytic therapy/ OR ((mechanical or radiolog\$ or pharmacomechanical or laser or endovascular or neurovascular) adj5 (thromboly\$ or reperfusion or fragmentation or aspiration or

	recanalisation or "clot lysis").tw. OR (alteplase or tenecteplase or t?tpa or r?tpa or tpa or t?tpa or "tissue plasminogen activator").tw. OR (fibrinoly\$ or thromboly\$ or recanaliz\$).tw. OR ((clot or thromb\$ or embol\$) adj5 (lys\$ or dissol\$ or bust\$)).tw.
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Question 2: Does the use of risk stratified prediction tools (using clinical parameters) in patients with suspected TIA compared to not using risk stratified prediction tools accurately identify patients who are at high early stroke risk?

MEDLINE	TIA population stem AND ((transient ischaemic attack or TIA) adj3 (triag* or assess*)).tw. OR (stroke population stem AND ((risk or predict\$) adj (stratif\$ or tool\$ or adjust\$ or scor\$ or model\$ or system\$)).tw.)
Embase	TIA population stem AND ((transient ischaemic attack or TIA) adj3 (triag* or assess*)).tw. OR (stroke population stem AND ((risk or predict\$) adj (stratif\$ or tool\$ or adjust\$ or scor\$ or model\$ or system\$)).tw.)
Strategies adapted from Moonesinghe et al. (2013)	

Question 3: For patients with ischaemic stroke with anterior circulation large vessel occlusion from 6-24 hours from last seen well, does mechanical thrombectomy plus best medical therapy improve functional outcome compared to best medical therapy alone?

MEDLINE	Stroke population stem AND Thrombectomy stem AND exp Wakefulness/ or exp Sleep/ OR (wakeup or wake-up or wakes up or wakes-up or waking\$ or awake\$ or awoke).tw. OR (during adj4 sleep\$).tw. OR (whil\$ adj4 (sleep\$ or asleep)).tw. OR (("last known" or "last seen") adj4 (normal or well)).tw. ((unknown or unclear or uncertain or indefinite or "not known" or late\$ or delay\$ or 6\$ or 12\$ or 24\$ or extend\$) adj4 (present\$ or onset)).tw. OR ((6\$ or 12\$ or 24\$ or late or extend\$ or delay\$) adj4 (window or "time window")).tw.
Embase	Stroke population stem AND Thrombectomy stem AND exp wakefulness/ or exp sleep/ OR (wakeup or wake-up or wakes up or wakes-up or waking\$ or awake\$ or awoke).tw. OR (during adj4 sleep\$).tw. OR (whil\$ adj4 (sleep\$ or asleep)).tw. OR (("last known" or "last seen") adj4 (normal or well)).tw. ((unknown or unclear or uncertain or indefinite or "not known" or late\$ or delay\$ or 6\$ or 12\$ or 24\$ or extend\$) adj4 (present\$ or onset)).tw. OR ((6\$ or 12\$ or 24\$ or late or extend\$ or delay\$) adj4 (window or "time window")).tw.

Question 4: Which diagnostic investigations such as CT Angiography (CTA), MRI, MR Angiography (MRA) and Digital Subtraction Angiography (DSA), should be used and when in patients with acute intracerebral haemorrhage to detect a macrovascular abnormality?

MEDLINE	ICH population stem AND exp Neuroimaging/ or exp Neuroradiography/ or exp Imaging, Three-Dimensional or exp Multimodal imaging/ or Diagnostic Imaging/ or exp Image Interpretation, Computer-Assisted or exp Magnetic Resonance Imaging/ or Laser Speckle Contrast Imaging or Angiography/ or Angiography, Digital Subtraction or Cerebral Angiography/ or exp Subtraction Technique/ or Radionuclide Imaging/ Perfusion Imaging/ or exp Tomography, Emission-Computed/ OR (neuroimaging or "diagnostic imaging" or SPECT or MRI or MRA or DSA or CTA or CT or PET or "magnetic resonance" or "compute* tomograph*" or angiogra* or arteriogra* or subtraction).tw. AND ((vascular or macrovascular or microvascular or venous or arterial or congenital) adj4 (malformation\$ or abnormal\$ or anomal\$)).tw. OR exp congenital blood vessel malformation/
Embase	ICH population stem AND exp neuroimaging/ or three-dimensional imaging/ or exp two-dimensional imaging/ or exp diagnostic imaging/ or exp nuclear magnetic resonance imaging/ or computer assisted tomography/ or exp brain radiography/ or or diagnostic imaging equipment/ or transcranial doppler/ OR (neuroimaging or "diagnostic imaging" or SPECT or MRI or MRA or DSA or CTA or CT or PET or "magnetic resonance" or "compute* tomograph*" or angiogra* or arteriogra* or subtraction).tw. AND ((vascular or macrovascular or microvascular or venous or arterial or congenital) adj4 (malformation\$ or abnormal\$ or anomal\$)).tw. OR exp congenital blood vessel malformation/

Question 5: Should the presence of cerebral microbleeds alter the approach to secondary prevention with antithrombotic drugs after ischaemic stroke or transient ischaemic attack?

MEDLINE	Stroke population stem AND (microbleed\$ or micro-bleed\$ or microhaemorrhage\$ or micro-haemorrhage\$ or microhemorrhage\$ or micro-hemorrhage\$).tw.
Embase	Stroke population stem AND (microbleed\$ or micro-bleed\$ or microhaemorrhage\$ or micro-haemorrhage\$ or microhemorrhage\$ or micro-hemorrhage\$).tw.

Question 6: Should a DOAC be preferred to a VKA in stroke prevention in AF?

MEDLINE	Stroke population stem AND exp Anticoagulants/ OR anti?coagula\$.tw. OR exp Heparin/ or exp Dabigatran/ or exp Rivaroxaban/ OR exp 4-Hydroxycoumarins/ OR (("non-vitamin K" or direct) adj5
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	oral anticoagulant*).tw. OR ("vitamin K" or warfarin or heparin or DOAC* or apixaban or dabigatran or rivaroxaban or edoxaban or dabigatran or rivaroxaban OR VKA).tw. AND ("atrial fibrillation" or "cardiac arrhythmia\$" or AF or "supra?ventricular tachycardia\$" or "atrial flutter" or arrhythmia).tw. OR exp Atrial Fibrillation/
Embase	Stroke population stem AND exp anticoagulant agent/ OR anti?coagula\$.tw. OR heparin/ or dabigatran/ or rivaroxaban/ or apixaban/ or edoxaban/ OR exp coumarin anticoagulant/ OR (("non-vitamin K" or direct) adj5 oral anticoagulant*).tw. OR ("vitamin K" or warfarin or heparin or DOAC* or apixaban or dabigatran or rivaroxaban or edoxaban or dabigatran or rivaroxaban or VKA).tw. AND ("atrial fibrillation" or "cardiac arrhythmia\$" or AF or "supra?ventricular tachycardia\$" or "atrial flutter" or arrhythmia).tw. OR exp heart atrium fibrillation/ or exp atrial fibrillation/

Question 7: What is the role of prolonged cardiac monitoring in the detection of AF in cryptogenic stroke?

MEDLINE	Stroke population stem AND ("embolic stroke of undetermined source" or ESUS or "stroke of undetermined etiology" or "stroke of undetermined aetiology" or "stroke of undetermined cause").tw. OR (cryptogenic adj3 (transient ischaemic attack or TIA or CVA)).tw. OR (Stroke population stem AND (cryptogenic.tw. OR ((unknown or undetermined) adj3 (source or cause or etiology)).tw.) AND exp Electrocardiography/ or exp Telemetry/ OR (loop adj5 record*).tw. (cardiac adj5 monitor*).tw. OR ((cardiac or electrocardiogra*) adj5 monitor*).tw. (Holter or electrocardio* ECG or EKG or telemetry or telemetric).tw. OR exp Telemetry/ AND exp Atrial Fibrillation/ OR ("atrial fibrillation" or "cardiac arrhythmia\$" or AF or "supra?ventricular tachycardia\$" or "atrial flutter" or arrhythmia).tw.
Embase	Stroke population stem AND ("embolic stroke of undetermined source" or ESUS or "stroke of undetermined etiology" or "stroke of undetermined aetiology" or "stroke of undetermined cause").tw. OR (cryptogenic adj3 (transient ischaemic attack or TIA or CVA)).tw. OR (Stroke population stem AND (cryptogenic.tw. OR ((unknown or undetermined) adj3 (source or cause or etiology)).tw.) AND exp electrocardiography monitoring/ or exp ambulatory electrocardiography/ or exp electrocardiography/ OR exp telemetry/ or exp telemetry implant/ (loop adj5 record*).tw. OR (cardiac adj5 monitor*).tw. OR ((cardiac or electrocardiogra*) adj5 monitor*).tw. OR (Holter or electrocardio* ECG or EKG or telemetry or telemetric).tw. AND exp heart atrium fibrillation/ or exp atrial fibrillation/ OR ("atrial fibrillation" or "cardiac arrhythmia\$" or AF or "supra?ventricular tachycardia\$" or "atrial flutter" or arrhythmia).tw.

Strategies adapted from (Noubiap et al., 2021)

Question 8: What is the optimal management for secondary stroke prevention after intracranial haemorrhage in cerebral amyloid angiopathy?	
MEDLINE	exp Cerebral Amyloid Angiopathy/ OR ("cerebral amyloid angiopathy" or "cerebrovascular amyloidosis").tw. OR (CAA or HCHWA or CAA-RI).tw. NOT letter.pt. OR letter\$/ OR editorial.pt. OR historical article.pt. OR case report/ OR case study/ OR exp animal/ not human/ OR nonhuman/ OR exp Animal experimentation/ OR Animals, Laboratory/ OR exp animal model/]
Embase	exp vascular amyloidosis/OR ("cerebral amyloid angiopathy" or "cerebrovascular amyloidosis").tw. OR (CAA or HCHWA or CAA-RI).tw. NOT letter.pt. OR letter\$/ OR editorial.pt. OR historical article.pt. OR case report/ OR case study/ OR exp animal/ not human/ OR nonhuman/ OR exp Animal experimentation/ OR Animals, Laboratory/ OR exp animal model/

Question 9: What is the optimal management for secondary stroke prevention in CADASIL?	
MEDLINE	exp CADASIL/ OR (CADASIL\$ or "Cerebral Autosomal Dominant Arteriopathy with Subcortical Infarcts and Leukoencephalopathy" or "Cerebral Arteriopathy with Subcortical Infarcts and Leukoencephalopathy").tw. NOT letter.pt. OR letter\$/ OR editorial.pt. OR historical article.pt. OR case report/ OR case study/ OR exp animal/ not human/ OR nonhuman/ OR exp Animal experimentation/ OR Animals, Laboratory/ OR exp animal model/
Embase	exp CADASIL/ OR (CADASIL\$ or "Cerebral Autosomal Dominant Arteriopathy with Subcortical Infarcts and Leukoencephalopathy" or "Cerebral Arteriopathy with Subcortical Infarcts and Leukoencephalopathy").tw. NOT letter.pt. OR letter\$/ OR editorial.pt. OR historical article.pt. OR case report/ OR case study/ OR exp animal/ not human/ OR nonhuman/ OR exp Animal experimentation/ OR Animals, Laboratory/ OR exp animal model/

Question 10: For eligible patients with ischaemic stroke and large vessel occlusion, does proceeding direct to mechanical thrombectomy improve functional outcome compared to thrombectomy plus intravenous thrombolysis (IVT) before?	
MEDLINE	Stroke population stem AND Thrombectomy stem AND ((anterior or middle or posterior) adj4 occlusion).tw. OR (occlusion or "large vessel occlusion" or "large-vessel occlusion" or LVO\$ or "basilar artery occlusion" or "basilar occlusion" or BAO\$ or "carotid artery" or "vertebral artery" or "cerebral artery").tw. AND Mechanical Thrombolysis/ or exp Fibrinolytic Agents/ or exp Thrombolytic Therapy/ or exp Fibrinolysis/ or exp Tissue Plasminogen Activator/ or Urokinase-Type

	Plasminogen Activator/ OR ((mechanical or radiolog\$ or pharmacomechanical or laser or endovascular or neurovascular) adj5 (thromboly\$ or reperfusion or fragmentation or aspiration or recanali?ation or "clot lys\$")).tw. OR (alteplase or tenecteplase or t?tpa or r?tpa or tpa or t?tpa or "tissue plasminogen activator").tw. OR (fibrinoly\$ or thromboly\$ or recanali\$).tw. OR ((clot or thromb\$ or embol\$) adj5 (lys\$ or dissol\$ or bust\$)).tw.
Embase	Stroke population stem AND Thrombectomy stem AND ((anterior or middle or posterior) adj4 occlusion).tw. OR (occlusion or "large vessel occlusion" or "large-vessel occlusion" or LVO\$ or "basilar artery occlusion" or "basilar occlusion" or BAO\$ or "carotid artery" or "vertebral artery" or "cerebral artery").tw. AND exp fibrinolysis/ or exp fibrinolytic agent/ or exp fibrinolytic therapy/ OR ((mechanical or radiolog\$ or pharmacomechanical or laser or endovascular or neurovascular) adj5 (thromboly\$ or reperfusion or fragmentation or aspiration or recanali?ation or "clot lys\$")).tw. OR (alteplase or tenecteplase or t?tpa or r?tpa or tpa or t?tpa or "tissue plasminogen activator").tw. OR (fibrinoly\$ or thromboly\$ or recanali\$).tw. OR ((clot or thromb\$ or embol\$) adj5 (lys\$ or dissol\$ or bust\$)).tw.

Question 11: For patients with ischaemic stroke with basilar artery occlusion presenting either within 6 hours or between 6-24 hours of stroke onset, does mechanical thrombectomy in addition to best medical therapy involve functional outcome compared to best medical therapy alone?

MEDLINE	Stroke population stem AND Thrombectomy stem AND exp Basilar Artery/ OR (((basilar or vertebrobasilar) adj3 (thrombosis or infarct or occlusion)) or BAO).tw.
Embase	Stroke population stem AND Thrombectomy stem AND exp basilar artery/ OR (((basilar or vertebrobasilar) adj3 (thrombosis or infarct or occlusion)) or BAO).tw.

Question 12: For patients with ischaemic stroke and large vessel occlusion, does thrombectomy performed under general anaesthesia improve outcome compared to local anaesthesia and/or conscious sedation?

MEDLINE	Stroke population stem AND Thrombectomy stem AND exp Anesthesia/ or exp Anesthetics/ or Conscious Sedation/ or Deep Sedation or Anesthesiology/ OR sedati\$.tw. OR an?esthe\$.tw.
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Embase	Stroke population stem AND Thrombectomy stem AND exp anesthesia/ or exp anesthetic equipment/ or anesthesia nursing/ or "delayed emergence from anesthesia"/ or anesthesia level/ or "anesthesia (sensory dysfunction)"/ or anesthesia complication/ or exp sedation/ or exp anesthetic agent/ or exp anesthesiology/ OR sedati\$.tw. OR an?esthe\$.tw.
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Question 13: What is the best short term antiplatelet regimen for vascular prevention after TIA or minor stroke?

MEDLINE	TIA population stem AND exp Aspirin/ or exp Platelet Aggregation Inhibitors/ or exp Dipyridamole/ or exp Ticlopidine/ (antiplatelet\$ or anti-platelet\$).tw. OR (antithrombocytic\$ or anti-thrombocytic\$).tw. OR (grepid or plavix or persantin or clopidogrel or dipyridamole or ticlopidine).tw.
Embase	TIA population stem AND exp antithrombocytic agent/ or antiplatelet activity/ or dual antiplatelet therapy/ OR (antiplatelet\$ or anti-platelet\$).tw. OR (antithrombocytic\$ or anti-thrombocytic\$).tw. OR (grepid or plavix or persantin or clopidogrel or dipyridamole or ticlopidine).tw.

Question 14: In patients with Novel Direct Oral Anticoagulant (NOAC) related acute intracerebral haemorrhage, do reversal methods (prothrombin complex concentrate-PCC, fresh frozen plasma –FFP, idarucizumab, andexanet alfa, tranexamic acid and Factor VIIa) improve functional outcome, mortality, haematoma expansion and normalise coagulation testing?

MEDLINE	ICH population stem AND exp Anticoagulants/ OR Dabigatran/ OR Rivaroxaban/ OR ((novel or new) adj5 anticoagulant*).tw. OR (NOAC* or DOAC*).tw. OR anti?coagula\$.tw. OR (("non-vitamin K" or direct) adj5 oral anticoagulant*).tw. OR (apixaban or dabigatran or rivaroxaban or edoxaban).tw. AND exp Factor VIIa/ OR exp Antidotes/ OR exp Tranexamic Acid/ OR revers\$.tw. OR ("prothombin complex concentrate\$" or PCC or "fibrinogen concentrate" or FVIIa or "frozen plasma" or idarucizumab or "andexanet alfa" or "factor VIIa" or "tranexamic acid" or txa or FVIIa or "fibrinogen concentrate").tw.
Embase	ICH population stem AND exp anticoagulant agent/ OR ((novel or new) adj5 anticoagulant*).tw. OR (NOAC* or DOAC*).tw. OR anti?coagula\$.tw. OR (("non-vitamin K" or direct) adj5 oral anticoagulant*).tw. OR (apixaban or dabigatran or rivaroxaban or edoxaban).tw. OR dabigatran/ or rivaroxaban/ or apixaban/ or edoxaban/ AND revers\$.tw. OR fibrinogen concentrate.tw. OR blood clotting factor 7a/ or exp antidote/ or tranexamic acid/ or prothrombin complex/ or fibrinogen concentrate/ or exp fresh frozen plasma/ or idarucizumab/ or andexanet alfa/ OR ("prothombin complex concentrate\$" or PCC or "fibrinogen concentrate" or FVIIa or "frozen

	plasma" or idarucizumab or "andexanet alfa" or "factor VIIa" or "tranexamic acid" or txa).tw.
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Question 15: Is tenecteplase at least as good as alteplase for stroke thrombolysis?

MEDLINE	Stroke population stem AND Mechanical Thrombolysis/ or exp Fibrinolytic Agents/ or exp Thrombolytic Therapy/ or exp Fibrinolysis/ or exp Tissue Plasminogen Activator/ or Urokinase-Type Plasminogen Activator/ OR ((mechanical or radiolog\$ or pharmacomechanical or laser or endovascular or neurovascular) adj5 (thromboly\$ or reperfusion or fragmentation or aspiration or recanalization or "clot lys\$")).tw. OR (alteplase or tenecteplase or t?tpa or r?tpa or tpa or t?tpa or "tissue plasminogen activator").tw. OR (fibrinoly\$ or thromboly\$ or recanaliz\$).tw. OR ((clot or thromb\$ or embol\$) adj5 (lys\$ or dissol\$ or bust\$)).tw. AND Tenecteplase/ OR (tenecteplase or TNK or TNKase or Metalyse or Elaxim).tw.
Embase	Stroke population stem AND exp fibrinolysis/ or exp fibrinolytic agent/ or exp fibrinolytic therapy/ OR ((mechanical or radiolog\$ or pharmacomechanical or laser or endovascular or neurovascular) adj5 (thromboly\$ or reperfusion or fragmentation or aspiration or recanalization or "clot lys\$")).tw. OR (alteplase or tenecteplase or t?tpa or r?tpa or tpa or t?tpa or "tissue plasminogen activator").tw. OR (fibrinoly\$ or thromboly\$ or recanaliz\$).tw. OR ((clot or thromb\$ or embol\$) adj5 (lys\$ or dissol\$ or bust\$)).tw. AND tenecteplase/ OR (tenecteplase or TNK or TNKase or Metalyse or Elaxim).tw.

Question 16: What is the best method to prevent recurrent stroke in patients with patent foramen ovale?

MEDLINE	Stroke population stem AND heart septal defects, atrial/ or foramen ovale, patent/ OR (patent foramen ovale or PFO).tw. OR (atrial sept\$ adj5 defect\$).tw. OR ((right to left or R-L or venous to arterial or venous-arterial or V-A) adj3 shunt).tw. AND SIGN SR/MA filter
Embase	Stroke population stem AND exp heart atrium septum defect/ or exp heart septum defect/ or exp patent foramen ovale/ OR heart right left shunt/ OR (patent foramen ovale or PFO).tw. OR (atrial sept\$ adj5 defect\$).tw. OR ((right to left or R-L or venous to arterial or venous-arterial or V-A) adj3 shunt).tw. AND SIGN SR/MA filter

Strategies adapted from (Li et al., 2015)w

Question 18: Should antiplatelet therapy be used for vascular prevention after ICH?	
MEDLINE	ICH population stem AND exp Aspirin/ or exp Platelet Aggregation Inhibitors/ or exp Aspirin, Dipyridamole Drug Combination/ or exp Dipyridamole/ or exp Ticlopidine/ or exp Clopidogrel/ (antiplatelet\$ or anti-platelet\$).tw. OR (antithrombocytic\$ or anti-thrombocytic\$).tw. OR (grepid or plavix or persantin or clopidogrel or dipyridamole or ticlopidine).tw.
Embase	ICH population stem AND exp acetylsalicylic acid/ or exp antithrombocytic agent/ or exp acetylsalicylic acid plus dipyridamole/ or exp dipyridamole/ or exp acetylsalicylic acid plus dipyridamole/ or exp ticlopidine/ or exp acetylsalicylic acid plus clopidogrel/ or exp clopidogrel/ OR (antiplatelet\$ or anti-platelet\$).tw. OR (antithrombocytic\$ or anti-thrombocytic\$).tw. OR (grepid or plavix or persantin or clopidogrel or dipyridamole or ticlopidine).tw.

Question 19: For patients with ischaemic stroke and large vessel occlusion, does thrombectomy performed under general anaesthesia improve outcome compared to local anaesthesia and/or conscious sedation?	
MEDLINE	ICH population stem AND exp Blood Pressure/ OR (diastole or systole or "blood pressure").tw. OR ((diastolic or systolic) adj3 (pressure or BP)).tw. OR Hypertension/dt, th OR exp antihypertensive agent/ OR ((antihypertens\$ or hypertens\$) adj (therapy or agent\$ or drug\$ or treat\$ or medic\$)).tw. OR ((hypertens\$ or BP or "blood pressure") adj2 (manag\$ or treat\$ or reduc\$ or lower\$ or regulat\$)).tw. AND SIGN RCT and SR/MA filter
Embase	ICH population stem AND *blood pressure/ OR *hypertension/ OR exp antihypertensive agent/ OR ((antihypertens\$ or hypertens\$) adj (therapy or agent\$ or drug\$ or treat\$ or medic\$)).tw. OR ((systol\$ or diastol\$ or hypertens\$ or BP or "blood pressure") adj3 (manag\$ or treat\$ or reduc\$ or lower\$ or regulat\$)).tw. AND SIGN RCT and SR/MA filter

Question 21: How should eating and drinking be managed towards the end of life after a stroke?	
MEDLINE	Stroke population stem AND Palliative Care/ OR exp Advance Care Planning/ OR (advance* adj3 (plan* or directive*)).tw. OR terminal care/ or hospice care/ OR (palliation or palliative or "end of life" or eol or terminal* or hospitce or death or dies or die or dying).tw. AND exp digestion/ or exp eating/ or elder nutritional physiological phenomena/ or exp feeding behavior/ or nutritional status/ OR (feed* or eat* or drink* or nutrition* or

	hydration*).tw. OR ((endo* or enter* or parenter* or gastric or naso* or postpyloric or post-pyloric or artificial) adj3 (feeding or hydration or nutrition or support or tube)).tw. OR exp Nutritional Support/ or enteral nutrition/ or parenteral nutrition/ or intubation, gastrointestinal/ or Gastrostomy/
Embase	Stroke population stem AND palliative therapy/ OR exp terminal care/ OR (advance* adj3 (plan* or directive*)).tw. OR (palliation or palliative or "end of life" or eol or terminal* or hospitce or death or dies or die or dying).tw. AND exp feeding behavior/ or exp feeding aid/ or exp feeding/ or exp feeding apparatus/ exp drinking/ or exp drinking water/ or exp drinking behavior/ OR ((endo* or enter* or parenter* or gastric or naso* or postpyloric or post-pyloric or artificial) adj5 (feeding or hydration or nutrition or support or tube)).tw. OR (feed* or eat* or drink* or nutrition* or hydration*).tw. OR nutritional support/ or exp artificial feeding/ or exp digestive tract intubation/ or gastrostomy/
AMED	Stroke population stem AND palliative care/ or exp terminal care/ OR advance directives/ OR (advance* adj3 (plan* or directive*)).tw. OR (palliation or palliative or "end of life" or eol or terminal* or hospitce or death or dies or die or dying).tw. AND drinking behavior/ or exp feeding behavior/ OR eating/ OR exp nutrition/ (feed* or eat* or drink* or nutrition* or hydration*).tw. OR ((endo* or enter* or parenter* or gastric or naso* or postpyloric or post-pyloric or artificial) adj3 (feeding or hydration or nutrition or support or tube)).tw. OR nutrition/ or nutritional status/ or exp feeding methods/ or gastrostomy/

Question 22: What is the best way to make decisions about artificial feeding and hydration after stroke?	
MEDLINE	Stroke population stem AND ((endo* or enter* or parenter* or gastric or naso* or postpyloric or post-pyloric or artificial) adj3 (feeding or hydration or nutrition or support or tube)).tw.
Embase	Stroke population stem AND ((endo* or enter* or parenter* or gastric or naso* or postpyloric or post-pyloric or artificial) adj3 (feeding or hydration or nutrition or support or tube)).tw.
AMED	Stroke population stem AND ((endo* or enter* or parenter* or gastric or naso* or postpyloric or post-pyloric or artificial) adj3 (feeding or hydration or nutrition or support or tube)).tw.

Question 23: What is the effectiveness of interventions aimed at improving function in people with visual field defects?	
MEDLINE	Stroke population stem AND exp eye/ OR exp visually impaired persons/ OR exp ocular physiological processes/ or exp diagnostic techniques, ophthalmological/ OR Optometry/ or Orthoptics/ eye diseases/ or vision disorders/ or eye manifestations/ or blindness/ or diplopia/

	<p>vision, binocular/ or vision, monocular/ or exp visual acuity/ or visual fields/ or vision, low/ or perimetry/ or ophthalmology/ or vision screening/ OR exp ocular motility disorders/ or exp orbital diseases/ or exp pupil disorders/ or exp blindness, cortical/ or exp hemianopsia/ or scotoma/ OR abducens nerve/ or oculomotor nerve/ or trochlear nerve/ OR (nystagmus or smooth pursuit or saccades or depth perception or stereopsis or gaze disorder\$ or ophthalmol\$ or optic nerve).tw. (intranuclear ophthalmoplegia or parinaud's syndrome or weber's syndrome or skew deviation or conjugate deviation or (one adj3 half syndrome)).tw. OR ((visual\$ or vision or eye or eyes or eyesight or sight) adj5 (problem\$ or disorder\$ or impair\$ or disability\$ or loss or disease\$ or defect\$ or manifestation\$ or screening or test\$ or examination\$)).tw. OR (hemianop\$ or blindness or low vision or scotoma or diplopia or optometr\$ or ocular or orthoptic\$).tw. OR (oscillopsia or visual tracking or fresnel prism\$).tw. OR ((III or IV or VI or third or fourth or sixth) adj3 nerve palsy).tw.</p>
Embase	<p>Stroke population stem AND exp eye/ or exp visual disorder/ OR eye disease/ or accommodation disorder/ or exp eye chamber disease/ or exp eye movement disorder/ or exp eyelid disease/ or exp lens disease/ or exp optic nerve disease/ or exp pupil disease/ or exp retina disease/ or exp sclera disease/ or exp uvea disease/ or visual disorder/ or exp vitreous disease/ OR exp ophthalmology/ or orthoptics/ or exp visual system function/ or exp depth perception/ OR exp visual aid/ OR abducens nerve/ or oculomotor nerve/ or trochlear nerve/ OR ((visual\$ or vision or eye or eyes or eyesight or sight or ocular or ophthalm\$ or "depth perception" or gaze or ophthalmol\$ or "optic nerve" or optometr\$ or orthoptic\$ or "visual tracking") adj5 (problem\$ or disorder\$ or impair\$ or disability\$ or loss or disease\$ or defect\$ or manifestation\$ or screening or test\$ or examination\$)).tw. OR ((nystagmus or smooth pursuit or saccades or stereopsis) adj5 (problem\$ or disorder\$ or impair\$ or disability\$ or loss or disease\$ or defect\$ or manifestation\$ or screening or test\$ or examination\$)).tw. OR ((hemianop\$ or blindness or low vision or scotoma or diplopia) adj5 (problem\$ or disorder\$ or impair\$ or disability\$ or loss or disease\$ or defect\$ or manifestation\$ or screening or test\$ or examination\$)).tw. (oscillopsia or fresnel prism\$).tw. OR (intranuclear ophthalmoplegia or parinaud's syndrome or weber's syndrome or skew deviation or conjugate deviation or (one adj3 half syndrome)).tw. OR ((III or IV or VI or third or fourth or sixth) adj3 nerve palsy).tw.</p>
AMED	<p>Stroke population stem AND exp eye/ OR exp eye disease/ OR vision OR ((visual\$ or vision or eye or eyes or eyesight or sight or ocular or ophthalm\$ or "depth perception" or gaze or ophthalmol\$ or "optic nerve" or optometr\$ or orthoptic\$ or "visual tracking") adj5 (problem\$ or disorder\$ or impair\$ or disability\$ or loss or disease\$ or defect\$ or manifestation\$ or screening or test\$ or examination\$)).tw. OR ((nystagmus or smooth pursuit or saccades or stereopsis) adj5 (problem\$ or disorder\$ or impair\$ or disability\$ or loss or disease\$ or defect\$ or manifestation\$ or screening or test\$ or examination\$)).tw. OR ((hemianop\$ or blindness or low vision or scotoma or diplopia) adj5 (problem\$ or disorder\$ or impair\$ or disability\$ or loss or disease\$ or defect\$ or manifestation\$ or screening or test\$ or examination\$)).tw. (oscillopsia or fresnel prism\$).tw. OR (intranuclear ophthalmoplegia or parinaud's syndrome or weber's syndrome or skew deviation or conjugate deviation or (one</p>

	adj3 half syndrome)).tw. OR ((III or IV or VI or third or fourth or sixth) adj3 nerve palsy).tw.
Strategies adapted from Pollock et al. (2019)	

Question 24: What are the staffing requirements for orthoptic services on acute stroke units?	
MEDLINE	Stroke population stem AND exp Work/ or exp Workforce/ or Capacity Building/ or Health Workforce/ or exp Health Services/ or exp Health Personnel/ or exp Personnel Management/ or exp Professional Competence/ or exp Patient Care Management/ or exp Patient Care Team/ or exp "Quality of Health Care"/ or exp Hospital Units/ or exp Hospitals/ OR ("care hour\$" or staff\$ or work\$ or train\$ or roster\$ or schedul\$ or WTE or "whole time equivalent\$" or recruit\$ or productiv\$ or turnover or turn-over or leav\$ or retention or retain or stay or manpower or man-power).tw. OR ((day\$ or night\$ or work\$ or job? or rotat\$ or team\$ or interval? or "long-hour?" or alternat\$ or enhanc\$ or shared or group\$ or overtime) adj2 shift\$).tw. AND exp Orthoptics/ OR exp Visually Impaired Persons/ OR orthopt*.tw. OR ((visual\$ or vision or eye or eyes or eyesight or sight) adj4 (problem\$ or disorder\$ or impair\$ or disabilit\$ or loss or disease\$ or defect\$ or manifestation\$ or screening or test\$ or examination\$)).tw.
Embase	Stroke population stem AND exp work/ or exp workforce/ or exp health care personnel/ or exp health service/ or professional competence/ or collaborative care team/ or night care/ or patient assessment/ or patient care planning/ or patient decision making/ or exp patient monitoring/ or patient referral/ or patient scheduling/ or exp health care delivery/ or exp progressive patient care/ or exp healthcare personnel management/ or exp resource management/ or exp hospital/ or exp health care quality/ ("care hour\$" or staff\$ or work\$ or train\$ or roster\$ or schedul\$ or WTE or "whole time equivalent\$" or recruit\$ or productiv\$ or turnover or turn-over or leav\$ or retention or retain or stay or manpower or man-power).tw. OR (multi-disciplinary or multidisciplinary or interprofessional or inter-professional).tw. OR ((day\$ or night\$ or work\$ or job? or rotat\$ or team\$ or interval? or "long-hour?" or alternat\$ or enhanc\$ or shared or group\$ or overtime) adj2 shift\$).tw. AND exp orthoptics/ OR exp visually impaired person/ OR orthopt*.tw. OR ((visual\$ or vision or eye or eyes or eyesight or sight) adj4 (problem\$ or disorder\$ or impair\$ or disabilit\$ or loss or defect\$)).tw.
AMED	exp Employment/ or exp "Delivery of health care"/ or exp Health administration/ or exp Health Facilities/ or exp Health Planning/ or Health Policy/ or Health Promotion/ or exp Health Services/ or Health Personnel/ or exp Personnel Management/ or exp Professional Competence/ or exp Patient Assessment/ or exp Patient Care Planning/ or exp Patient Care Team or exp "Delivery of health care"/ or "Referral and consultation"/ or exp "quality of health care"/ or exp Hospitals/ OR ("care hour\$" or staff\$ or work\$ or train\$ or roster\$ or schedul\$ or WTE or "whole time equivalent\$" or recruit\$ or productiv\$ or turnover or turn-over or leav\$ or retention or retain or stay or manpower or man-power).tw. OR (multi-disciplinary or multidisciplinary or interprofessional or inter-professional).tw. OR ((day\$ or

	night\$ or work\$ or job? or rotat\$ or team\$ or interval? or "long-hour?" or alternat\$ or enhanc\$ or shared or group\$ or overtime) adj2 shift\$).tw. AND orthopt*.tw. OR ((visual\$ or vision or eye or eyes or eyesight or sight) adj4 (problem\$ or disorder\$ or impair\$ or disabilit\$ or loss or defect\$)).tw.
Strategies adapted from Langhorne and Ramachandra (2020).	

Question 25: What is the best intensity, frequency and dose of therapy for language recovery in patients with post-stroke aphasia?	
MEDLINE	Stroke population stem AND exp aphasia/ OR dysphasia/ or language disability/ or speech disorder/ (aphasi\$ or dysphasi\$ or anomia or anomic).tw. OR ((speech or language\$ or linguistic or communicat\$) adj5 (disorder\$ or impair\$ or problem\$ or dysfunction or difficult\$)).tw. AND exp "speech and language rehabilitation"/ OR ((speech or language\$ or linguistic or aphasi\$ or dysphasi\$ or anomia or anomic) adj5 (therap\$ or train\$ or rehab\$ or treat\$ or remediates\$ or intervention\$ or pathol\$ or trial or education\$ or counseling)).tw. OR (SLT or SALT or SLP).tw.
Embase	Stroke population stem AND communication disorders/ or language disorders/ or anomia/ or speech disorders/ or exp aphasia/ OR (aphasi\$ or dysphasi\$ or anomi\$).tw. OR ((speech or language\$ or linguistic or communicat\$) adj5 (disorder\$ or impair\$ or problem\$ or dysfunction or difficult\$ or processing)).tw. AND Speech-Language Pathology/ or exp "rehabilitation of speech and language disorders"/ OR ((speech or language\$ or linguistic or aphasi\$ or dysphasi\$ or anomia or anomic) adj5 (therap\$ or train\$ or rehab\$ or treat\$ or remediates\$ or intervention\$ or pathol\$ or trial or education\$ or counseling)).tw. OR (SLT or SALT or SLP).tw.
AMED	Stroke population stem AND exp Communicative disorders/ OR exp Language disorders/ OR exp Speech disorders/ OR exp Aphasia/ OR (aphasi\$ or dysphasi\$ or anomi\$).tw. OR ((speech or language\$ or linguistic or communicat\$) adj5 (disorder\$ or impair\$ or problem\$ or dysfunction or difficult\$ or processing)).tw. AND exp Speech language pathology/ OR ((speech or language\$ or linguistic or aphasi\$ or dysphasi\$ or anomia or anomic) adj5 (therap\$ or train\$ or rehab\$ or treat\$ or remediates\$ or intervention\$ or pathol\$ or trial or education\$ or counseling)).tw. OR (SLT or SALT or SLP).tw.

Question 26: What are the most effective treatments for dysphagia after stroke?	
MEDLINE	Stroke population stem AND exp Deglutition Disorders/ or Deglutition/ OR ((swallow\$ dysphag\$ or deglutition or eating or drinking or feeding) adj2 (disorder\$ or deficit\$ or problem\$ or difficult\$)).tw. AND

	<p>exp Electric Stimulation Therapy/ or exp Electric Stimulation/ or exp Transcutaneous Electric Nerve Stimulation/ or exp Pharmaceutical Preparations/ or exp Drug Therapy/ or exp Biofeedback, Psychology/ or exp Transcranial Magnetic Stimulation/ or exp Transcranial Direct Current Stimulation/ or exp Rheology/ or exp Acupuncture/ OR ((electrical or transcutaneous or intra-pharyngeal or intrapharyngeal or sensory or chemical or thermal or "transcranial magnetic" or "transcranial direct current" or pharyngeal or neuro-muscular or neuromuscular or deep brain or cortical) adj2 stimulation).tw. OR (biofeedback or surface EMG or surface electromyography or sEMG or PES or NMES or AMPCARE ESP or "Ampcare Effective swallowing protocol").tw. OR (pharmac\$ or drug\$ or medication\$).tw. ((oromotor or oro-motor or postural or swallow\$ or behavior\$ or behaviour\$) adj2 strateg\$).tw. OR (Mendelsohn or supraglottic or "tongue exercise\$" or "chin tuck" or "head rotation" or "head position" or Shaker or Masako or rheology or acupuncture).tw. OR ((consistency or texture or fluid) adj2 (diet or modif\$)).tw. ((thick\$ or thin\$) adj2 (fluid or puree)).tw. OR ("International Dysphagia Diet Standardisation Initiative" or IDDSI or fork-mashable or "fork mashable" or pre-mashed or "mechanical soft").tw. OR ((thick\$ or thin\$) adj2 (fluid or puree)).tw. ((swallow\$ dysphag\$ or deglutition or expiratory muscle) adj3 (exercise\$ or train\$ or therap\$ or manouvre\$)).tw.</p>
Embase	<p>Stroke population stem AND dysphagia aid/ or exp dysphagia/ or swallowing/ OR ((swallow\$ dysphag\$ or deglutition or eating or drinking or feeding) adj2 (disorder\$ or deficit\$ or problem\$ or difficult\$)).tw. AND exp electrostimulation/ or exp transcutaneous electrical nerve stimulation/ or exp sensory stimulation/ or exp drug/ or exp drug therapy/ or exp drug combination/ or exp "biofeedback software (device)"/ or exp biofeedback/ or exp "biofeedback system (device)"/ or exp transcranial magnetic stimulation/ or exp transcranial direct current stimulation/ or exp flow kinetics/ or exp acupuncture/ OR ((electrical or transcutaneous or intra-pharyngeal or intrapharyngeal or sensory or chemical or thermal or "transcranial magnetic" or "transcranial direct current" or pharyngeal or neuro-muscular or neuromuscular or deep brain or cortical) adj2 stimulation).tw. (biofeedback or surface EMG or surface electromyography or sEMG or PES or NMES or AMPCARE ESP or "Ampcare Effective swallowing protocol").tw. OR (pharmac\$ or drug\$ or medication\$).tw. OR ((oromotor or oro-motor or postural or swallow\$ or behavior\$ or behaviour\$) adj2 strateg\$).tw. OR (Mendelsohn or supraglottic or "tongue exercise\$" or "chin tuck" or "head rotation" or "head position" or Shaker or Masako or rheology or acupuncture).tw. OR ((consistency or texture or fluid) adj2 (diet or modif\$)).tw. OR ((thick\$ or thin\$) adj2 (fluid or puree)).tw. OR ("International Dysphagia Diet Standardisation Initiative" or IDDSI or fork-mashable or "fork mashable" or pre-mashed or "mechanical soft").tw. OR ((thick\$ or thin\$) adj2 (fluid or puree)).tw. OR ((swallow\$ dysphag\$ or deglutition or inspiratory muscle or expiratory muscle) adj3 (exercise\$ or train\$ or therap\$ or manouvre\$)).tw.</p>
AMED	<p>Stroke population stem AND deglutition/ or deglutition disorders/ OR ((swallow\$ dysphag\$ or deglutition or eating or drinking or feeding) adj2 (disorder\$ or deficit\$ or problem\$ or difficult\$)).tw. AND</p>

	<p>Electrotherapy/ or Acupuncture therapy/ or Electric stimulation/ or Electroacupuncture/ or Therapy/ or Transcutaneous electric nerve stimulation/ or Transcranial Magnetic Stimulation/ or Rheology/ or Acupuncture/ OR ((electrical or transcutaneous or intra-pharyngeal or intrapharyngeal or sensory or chemical or thermal or "transcranial magnetic" or "transcranial direct current" or pharyngeal or neuro-muscular or neuromuscular or deep brain or cortical) adj2 stimulation).tw. (biofeedback or surface EMG or surface electromyography or sEMG or PES or NMES or AMPCARE ESP or "Ampcare Effective swallowing protocol").tw. OR (pharmac\$ or drug\$ or medication\$).tw. OR ((oromotor or oro-motor or postural or swallow\$ or behavior\$ or behaviour\$) adj2 strateg\$).tw. OR (Mendelsohn or supraglottic or "tongue exercise\$" or "chin tuck" or "head rotation" or "head position" or Shaker or Masako or rheology or acupuncture).tw. OR ((consistency or texture or fluid) adj2 (diet or modif\$)).tw. OR ((thick\$ or thin\$) adj2 (fluid or puree)).tw. OR ("International Dysphagia Diet Standardisation Initiative" or IDDSI or fork-mashable or "fork mashable" or pre-mashed or "mechanical soft").tw. OR ((swallow\$ dysphag\$ or deglutition or expiratory muscle) adj3 (exercise\$ or train\$ or therap\$ or manouvre\$)).tw.</p>
<p>Strategies adapted from (Boaden et al., 2021)</p>	

<p>Question 27: What is the best method to improve oral health after stroke?</p>	
<p>MEDLINE</p>	<p>Stroke population stem AND exp Stomatognathic diseases/ OR exp Dentistry/ OR oral health/ OR exp oral hygiene/ OR exp Dental Auxiliaries/ OR halitosis/ OR exp Mouth/ph OR exp Mouth/ph OR Facial Pain/ OR ((dental or oral or periodontal) and disease\$).tw. ((dental or tooth or teeth) and (caries or decay\$)).tw. OR gingivitis.tw. OR (xerostomia or "dry mouth").tw. OR (oral and (stomatitis or candidiasis)).tw. ((mouth or oral) adj6 (ulcer\$ or aphthous or aphthae)).tw. OR ((mouth or dental or oral) and hygiene).tw. OR (mouth adj4 (odor or odour)).tw. OR halitosis.tw. (dentist\$ or "dental nurse\$" or "dental therapist\$" or "dental hygienist\$").tw. dental health educat\$.tw. OR (dental and (disabled or handicap\$)).tw. OR ((dental or oral or teeth) adj3 (scaling or prophylaxis)).tw. OR (mouth and ulcer\$).tw. (mouthwash\$ or mouthrinse\$).tw. OR (dental and (treatment\$ or care\$)).tw. toothbrush\$.tw. OR ((plaque or "oral hygiene" or periodontal or DMF) adj (index or indices)).tw.</p>
<p>Embase</p>	<p>Stroke population stem AND exp mouth disease/ OR exp dentistry/ OR oral health/ OR exp mouth hygiene/ dental assistant/ OR exp mouth/ OR digestive system/ OR face pain/ OR ((dental or oral or periodontal) and disease\$).tw. OR ((dental or tooth or teeth) and (caries or decay\$)).tw. OR gingivitis.tw. OR (xerostomia or "dry mouth").tw. OR (oral and (stomatitis or candidiasis)).tw. OR ((mouth or oral) adj6 (ulcer\$ or aphthous or aphthae)).tw. OR ((mouth or dental or oral) and hygiene).tw. OR (mouth adj4 (odor or odour)).tw. OR halitosis.tw. OR (dentist\$ or "dental nurse\$" or "dental therapist\$" or "dental hygienist\$").tw. OR dental health educat\$.tw. (dental and (disabled or handicap\$)).tw. OR ((dental or oral or teeth) adj3 (scaling or prophylaxis)).tw. OR (mouth and ulcer\$).tw. OR (mouthwash\$ or</p>

	mouthrinse\$.tw. OR (dental and (treatment\$ or care\$)).tw. OR toothbrush\$.tw. OR ((plaque or "oral hygiene" or periodontal or DMF) adj (index or indices)).tw.
AMED	Stroke population stem AND exp Stomatognathic disease/ OR exp Dentistry/ OR exp Mouth disease/ OR exp Dental care/ OR exp mouth/ OR exp facial pain/ OR ((dental or oral or periodontal) and disease\$.tw. OR ((dental or tooth or teeth) and (caries or decay\$)).tw. OR gingivitis.tw. OR (xerostomia or "dry mouth").tw. OR (oral and (stomatitis or candidiasis)).tw. OR ((mouth or oral) adj6 (ulcer\$ or aphthous or aphthae)).tw. ((mouth or dental or oral) and hygiene).tw. OR (mouth adj4 (odor or odour)).tw. halitosis.tw. OR (dentist\$ or "dental nurse\$" or "dental therapist\$" or "dental hygienist\$").tw. OR dental health educat\$.tw. OR (dental and (disabled or handicap\$)).tw. OR ((dental or oral or teeth) adj3 (scaling or prophylaxis)).tw. (mouth and ulcer\$).tw. OR (mouthwash\$ or mouthrinse\$).tw. OR (dental and (treatment\$ or care\$)).tw. OR toothbrush\$.tw. OR ((plaque or "oral hygiene" or periodontal or DMF) adj (index or indices)).tw.
Strategies adapted from (Campbell et al., 2020)	

Question 28: Does arm functional electrical stimulation after stroke improve outcomes?	
Question 29: Does functional electrical stimulation to the lower limb improve outcomes after stroke?	
MEDLINE	Stroke population stem AND Electric Stimulation/ OR Electric Stimulation Therapy/ or Transcutaneous Electric Nerve Stimulation/ OR (electrostimulat* or electrotherap*).tw. OR ((muscle* or muscular or neur* or nerv* or transcutaneous or electr*) adj3 stimulation).tw. (FES or NMES).tw.
Embase	Stroke population stem AND electrostimulation/ OR electrotherapy/ or high frequency electrotherapy/ or low frequency electrotherapy/ or nerve stimulation/ or functional electrical stimulation/ or neuromuscular electrical stimulation/ or transcutaneous electrical nerve stimulation/ OR (electrostimulat* or electrotherap*).tw. OR ((muscle* or muscular or neur* or nerv* or transcutaneous or electr*) adj3 stimulation).tw. OR (FES or NMES).tw.
AMED	Stroke population stem AND Electric Stimulation/ OR Electrotherapy/ or Functional Electric Stimulation/ or Transcutaneous Electric Nerve Stimulation/ OR (electrostimulat* or electrotherap*).tw. OR ((muscle* or muscular or neur* or nerv* or transcutaneous or electr*) adj3 stimulation).tw. OR (FES or NMES).tw.
Strategies adapted from Eraifej et al. (2017)	

Question 30: Does robot-assisted training improve arm function after a stroke?	
MEDLINE	Stroke population stem AND

	<p>exp Upper Extremity/ OR (upper limb\$ or upper extremit\$ or arm or shoulder or hand or axilla or elbow\$ or forearm\$ or finger\$ or wrist\$).tw. AND automation/ or robotics/ OR Man-Machine Systems/ OR Biomedical Engineering/ Equipment and Supplies/ OR Self-Help Devices/ OR exp Therapy, Computer-Assisted/ OR Orthotic Devices/ OR ((continuous passive or cpm) adj3 therap\$).tw. (MIT-Manus or "ARM guide" or Bi-Manu-Track or ARMtrainer or MIME or "Mirror-Image Motion Enabler" or InMOTION or REHAROB or NeReBot or "GENTLE/S" or ARMin or kinarm\$ or ArmeoSpring).tw. OR ((electro-mechanic\$ or automat\$ or "computer aided" or computer-aided or "computer assisted" or computer-assisted or electromechanic\$ or mechanical or mechanised or mechanized or driven) adj5 (rehabilitation or therap\$ or train\$ or treatment or physio\$ or "occupational therap\$" or OT)).tw. (robot\$ or orthos\$ or orthotic or device\$ or exoskeleton or "end effector" or end-effector).tw.</p>
Embase	<p>Stroke population stem AND exp upper limb/ OR (upper limb\$ or upper extremit\$ or arm or shoulder or hand or axilla or elbow\$ or forearm\$ or finger\$ or wrist\$).tw. AND automation/ or robotics/ or orthotics/ or man machine interaction/ or biomedical engineering/ or devices/ or medical device/ or neurological equipment/ or "protheses and orthoses"/ or rehabilitation equipment/ or machine/ or assistive technology/ or assistive technology device/ or computer assisted therapy/ ((continuous passive or cpm) adj3 therap\$).tw. OR (MIT-Manus or "ARM guide" or Bi-Manu-Track or ARMtrainer or MIME or "Mirror-Image Motion Enabler" or InMOTION or REHAROB or NeReBot or "GENTLE/S" or ARMin or kinarm\$ or ArmeoSpring).tw. OR ((electro-mechanic\$ or automat\$ or "computer aided" or computer-aided or "computer assisted" or computer-assisted or electromechanic\$ or mechanical or mechanised or mechanized or driven) adj5 (rehabilitation or therap\$ or train\$ or treatment or physio\$ or "occupational therap\$" or OT)).tw. OR (robot\$ or orthos\$ or orthotic or device\$ or exoskeleton or "end effector" or end-effector).tw.</p>
AMED	<p>Stroke population stem AND exp Arm/ OR (upper limb\$ or upper extremit\$ or arm or shoulder or hand or axilla or elbow\$ or forearm\$ or finger\$ or wrist\$).tw. AND robotics/ OR exp orthotic devices/ OR ((continuous passive or cpm) adj3 therap\$).tw. OR (MIT-Manus or "ARM guide" or Bi-Manu-Track or ARMtrainer or MIME or "Mirror-Image Motion Enabler" or InMOTION or REHAROB or NeReBot or "GENTLE/S" or ARMin or kinarm\$ or ArmeoSpring).tw. OR ((electro-mechanic\$ or automat\$ or "computer aided" or computer-aided or "computer assisted" or computer-assisted or electromechanic\$ or mechanical or mechanised or mechanized or driven) adj5 (rehabilitation or therap\$ or train\$ or treatment or physio\$ or "occupational therap\$" or OT)).tw. OR (robot\$ or orthos\$ or orthotic or device\$ or exoskeleton or "end effector" or end-effector).tw.</p>
Strategies adapted from Mehrholz et al. (2018)	

Question 31: Does mirror therapy improve arm function after a stroke?	
MEDLINE	Stroke population stem AND exp Upper Extremity/ OR (upper limb\$ or upper extremit\$ or arm or shoulder or hand or axilla or elbow\$ or forearm\$ or finger\$ or wrist\$).tw. AND Illusions/ OR mirror.tw. OR ((visual or virtual) adj5 (reflect\$ or illusion or feedback or therapy)).tw. OR ((limb or arm) adj5 (reflect\$ or illusion)).tw.
Embase	Stroke population stem AND exp upper limb/ OR (upper limb\$ or upper extremit\$ or arm or shoulder or hand or axilla or elbow\$ or forearm\$ or finger\$ or wrist\$).tw. AND exp illusion/ OR mirror.tw. OR ((visual or virtual) adj5 (reflection or illusion or feedback or therapy)).tw. OR ((limb or arm) adj5 (reflect\$ or illusion)).tw.
AMED	Stroke population stem AND exp Arm/ OR (upper limb\$ or upper extremit\$ or arm or shoulder or hand or axilla or elbow\$ or forearm\$ or finger\$ or wrist\$).tw. AND mirror.tw. OR ((visual or virtual) adj5 (reflection or illusion or feedback or therapy)).tw. OR ((limb or arm) adj5 (reflect\$ or illusion)).tw.
Strategies adapted from Thieme et al. (2018)	

Question 32: Does mental practice/guided imagery improve arm function after a stroke?	
MEDLINE	Stroke population stem AND Imagery, Psychotherapy/ OR ((mental or motor) adj4 practice).tw. OR ((motor or move\$ or kinesthetic or visual or guide\$) adj4 imagery).tw.
Embase	Stroke population stem AND guided imagery/ OR ((mental or motor) adj4 practice).tw. OR ((motor or move\$ or kinesthetic or visual or guide\$) adj4 imagery).tw.
AMED	Stroke population stem AND Psychomotor performance/ or Mental processes/ OR ((mental or motor) adj4 practice).tw. OR ((motor or move\$ or kinesthetic or visual or guide\$) adj4 imagery).tw.

Question 33: Does treadmill training (+/- body weight support) improve outcome and how should it be delivered?	
MEDLINE	Stroke population stem AND (treadmill\$ or tread mill\$).tw. OR ((running or walk\$ or exercise) adj5 (machine\$ or device\$)).tw. OR ((bodyweight or "body weight") adj4 support).tw.
Embase	Stroke population stem AND (treadmill\$ or tread mill\$).tw. OR ((running or walk\$ or exercise) adj5 (machine\$ or device\$)).tw. OR ((bodyweight or "body weight") adj4 support).tw.

AMED	Stroke population stem AND (treadmill\$ or tread mill\$).tw. OR ((running or walk\$ or exercise) adj5 (machine\$ or device\$)).tw. OR ((bodyweight or "body weight") adj4 support).tw.
Strategies adapted from Mehrholz et al. (2017)	

Question 34: Does constraint-induced movement therapy improve arm function after a stroke?	
MEDLINE	Stroke population stem AND exp Upper Extremity/ OR (upper limb\$ or upper extremi\$ or arm or shoulder or hand or axilla or elbow\$ or forearm\$ or finger\$ or wrist\$).tw. AND exp immobilization/ OR (constrain\$ or restrain\$ or immobili\$).tw. OR (mCIMT or CIT or CIMT or "CI therapy" or "forced use").tw.
Embase	Stroke population stem AND exp upper limb/ OR (upper limb\$ or upper extremi\$ or arm or shoulder or hand or axilla or elbow\$ or forearm\$ or finger\$ or wrist\$).tw. AND exp immobilization/ OR (constrain\$ or restrain\$ or immobili\$).tw. OR (mCIMT or CIT or CIMT or "CI therapy" or "forced use").tw.
AMED	Stroke population stem AND exp Arm/ OR (upper limb\$ or upper extremi\$ or arm or shoulder or hand or axilla or elbow\$ or forearm\$ or finger\$ or wrist\$).tw. AND restraint physical/ OR exp immobilization/ OR (constrain\$ or restrain\$ or immobili\$).tw. OR (mCIMT or CIT or CIMT or "CI therapy" or "forced use").tw.

Question 35: Does repetitive task training improve outcome and how should it be delivered?	
MEDLINE	Stroke population stem AND TST.tw. OR "task?specific training".tw. OR (task\$ adj3 (therap\$ or train\$)).tw. OR (repetit\$ adj5 task).tw.
EMBASE	Stroke population stem AND TST.tw. OR "task?specific training".tw. OR (task\$ adj3 (therap\$ or train\$)).tw. OR (repetit\$ adj5 task).tw.
AMED	Stroke population stem AND TST.tw. OR task specific training.tw. OR (task\$ adj3 (therap\$ or train\$)).tw. OR (repetit\$ adj5 task).tw.

Question 36: Does exercise improve outcomes after stroke? How should it be delivered?	
MEDLINE	Stroke population stem AND exp Exercise/ or exp Exercise Therapy/ or exp Exercise Movement Techniques/ or exp Exercise Test/ or Exercise Tolerance/ OR ((exercise or movement or physical or resistance or group or strength or aerobic or cardiovascular or balance or fitness) adj2 (train\$ or therap\$ or programme or fitness or rehab\$ or activi\$)).tw. AND SIGN SR/MA filter

Embase	Stroke population stem AND exp exercise/ or exp kinesiotherapy/ or exp exercise test/ or exercise tolerance/ OR ((exercise or movement or physical or resistance or group or strength or aerobic or cardiovascular or balance or fitness) adj2 (train\$ or therap\$ or programme or fitness or rehab\$ or activit\$)).tw. AND SIGN SR/MA filter
AMED	Stroke population stem AND exp Exercise/ or exp Exercise therapy/ or exp Exercise testing/ or Exercise tolerance/ OR ((exercise or movement or physical or resistance or group or strength or aerobic or cardiovascular or balance or fitness) adj2 (train\$ or therap\$ or programme or fitness or rehab\$ or activit\$)).tw. AND Meta-Analysis/ OR (meta analy* or metanaly* or metaanaly* or meta regression).ti,ab. OR ((systematic* or evidence*) adj3 (review* or overview*)).ti,ab. (reference list* or bibliograph* or hand search* or manual search* or relevant journals).ab. OR (search strategy or search criteria or systematic search or study selection or data extraction).ab. OR (search* adj4 literature).ab. OR (MEDLINE or pubmed or cochrane or Embase or psychlit or psyclit or psychinfo or psycinfo or cinahl or science citation index or bids or cancerlit).ab. OR ((multiple treatment* or indirect or mixed) adj2 comparison*).ti,ab.
AMED meta-analysis terms from (Excellence, 2020)	

Question 37: Is remotely-delivered therapy as effective as face-to-face therapy after a stroke? Are patients as satisfied with remote therapy as with face-to-face?

MEDLINE	Stroke population stem AND [(Social Media/ or exp Telecommunications/ or exp Computer Communication Networks/ or exp Computers/ or Mobile Applications/ OR Fitness Trackers/ or Remote Sensing Technology/ OR ((cell\$ or smart\$ or mobile or android or internet or web) adj3 (comput\$ or device or app\$ or phone)).tw. OR (tablet adj3 (device\$ or comput\$)).tw. OR ((physical or physiolog\$ or perform\$ or fit\$ or train\$ or activ\$ or endur\$ or exercise) adj3 (track\$ or monitor\$ or measur\$ or device\$ or app\$)).tw. OR ((step\$ or walk\$) adj3 (count\$ or meter\$ or daily)).tw. OR ("mobile health" or mhealth or m-health or "m health" or "mobile health" or e-health or ehealth or e-rehab\$ or emedicine or e-medicine).tw.) AND (home\$ or remote\$ or distance\$ or distant\$ or tele\$).tw.] OR [((telemetry or tele-health\$ or telehealth\$ or telemedicine or tele-medicine).tw. (telecommunication\$ or tele-communication\$ or teleconference\$ or tele-conference\$ or telestroke or tele-stroke).tw. OR Telemedicine/ or Telemetry/) AND (home\$ or remote\$ or distance\$ or distant\$).tw.] OR Remote Consultation/ or Telerehabilitation/ OR (telerehab\$ or tele-rehab\$).tw. OR (teleconsultation\$ or tele-consultation\$ or telecare or tele-care or telespeech or tele-speech or teleOT or tele-OT).tw. OR (telepractice or tele-practice or teletherap\$ or tele-therap\$).tw. OR ((rehab\$ or therap\$ or treat\$ or communication\$ or consultation\$ or care or specialist\$ or monitor\$ or counsel\$) adj5 (telephone\$ or phone\$ or wireless\$ or video\$ or internet\$ or computer\$ or sensor\$ or modem or web\$ or email or online or on-line or digital)).tw. OR
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	<p>((remote\$ or distance\$ or distant) adj5 (rehabilitation or therap\$ or treatment or physio\$ or occupational therap\$ or communication or consultation or care or specialist\$)).tw. OR (telehomecare or tele-homecare or telecoaching or tele-coaching).tw.</p>
Embase	<p>Stroke population stem AND e-mail/ or hotline/ or exp interactive voice response system/ or exp Internet/ or exp mobile phone/ or social media/ or exp telecommunication/ or telephone/ or text messaging/ or videoconferencing/ or web conferencing/ or webcast/ or webinar/ or computer/ or exp computer network or computer system/ or microcomputer/ or minicomputer/ or personal computer/ or personal digital assistant/ or remote sensing or exp videorecording or telephone interview/ or exp activity tracker OR ((cell\$ or smart\$ or mobile or android or internet or web) adj3 (comput\$ or device or app\$ or phone)).tw. OR (tablet adj3 (device\$ or comput\$)).tw. OR ((physical or physiolog\$ or perform\$ or fit\$ or train\$ or activ\$ or endur\$ or exercise) adj3 (track\$ or monitor\$ or measur\$ or device\$ or app\$)).tw. OR ((step\$ or walk\$) adj3 (count\$ or meter\$ or daily)).tw.) OR ("mobile health" or mhealth or m-health or "m health" or "mobile health" or e-health or ehealth or e-rehab\$ or emedicine or e-medicine).tw.) AND (home\$ or remote\$ or distance\$ or distant\$ or tele\$).tw.] OR [(telemetry or tele-health\$ or telehealth\$ or telemedicine or tele-medicine).tw. OR (telecommunication\$ or tele-communication\$ or teleconference\$ or tele-conference\$ or telestroke or tele-stroke).tw. OR telemetry/ or telemedicine/) AND (home\$ or remote\$ or distance\$ or distant\$).tw.] OR telenursing/ or exp teleconsultation/ or telerehabilitation/ or teletherapy/ OR (telerehab\$ or tele-rehab\$).tw. OR (teleconsultation\$ or tele-consultation\$ or telecare or tele-care or telespeech or tele-speech or teleOT or tele-OT).tw. OR (telepractice or tele-practice or teletherap\$ or tele-therap\$).tw. OR ((rehab\$ or therap\$ or treat\$ or communication\$ or consultation\$ or care or specialist\$ or monitor\$ or counsel\$) adj5 (telephone\$ or phone\$ or wireless\$ or video\$ or internet\$ or computer\$ or sensor\$ or modem or web\$ or email or online or on-line or digital)).tw. ((remote\$ or distance\$ or distant) adj5 (rehabilitation or therap\$ or treatment or physio\$ or occupational therap\$ or communication or consultation or care or specialist\$)).tw. OR (telehomecare or tele-homecare or telecoaching or tele-coaching).tw.</p>
AMED	<p>Stroke population stem AND [(Communications Media/ or Telecommunications/ or Telephone/ or Television/ or exp "Computers and Computing"/ OR ((cell\$ or smart\$ or mobile or android or internet or web) adj3 (comput\$ or device or app\$ or phone)).tw. OR (tablet adj3 (device\$ or comput\$)).tw. OR ((physical or physiolog\$ or perform\$ or fit\$ or train\$ or activ\$ or endur\$ or exercise) adj3 (track\$ or monitor\$ or measur\$ or device\$ or app\$)).tw. ((step\$ or walk\$) adj3 (count\$ or meter\$ or daily)).tw. OR ("mobile health" or mhealth or m-health or "m health" or "mobile health" or e-health or ehealth or e-rehab\$ or emedicine or e-medicine).tw.) AND (home\$ or remote\$ or distance\$ or distant\$ or tele\$).tw.] OR [(exp Telemedicine/ OR (telemetry or tele-health\$ or telehealth\$ or telemedicine or tele-medicine).tw. OR (telecommunication\$ or tele-communication\$ or</p>

	<p>teleconference\$ or tele-conference\$ or telestroke or tele-stroke).tw.) AND (home\$ or remote\$ or distance\$ or distant\$).tw.] OR (telerehab\$ or tele-rehab\$).tw. OR (teleconsultation\$ or tele-consultation\$ or telecare or tele-care or telespeech or tele-speech or teleOT or tele-OT).tw. OR (telepractice or tele-practice or teletherap\$ or tele-therap\$).tw. OR ((rehab\$ or therap\$ or treat\$ or communication\$ or consultation\$ or care or specialist\$ or monitor\$ or counsel\$) adj5 (telephone\$ or phone\$ or wireless\$ or video\$ or internet\$ or computer\$ or sensor\$ or modem or web\$ or email or online or on-line or digital)).tw. OR ((remote\$ or distance\$ or distant) adj5 (rehabilitation or therap\$ or treatment or physio\$ or occupational therap\$ or communication or consultation or care or specialist\$)).tw. OR (telehomecare or tele-homecare or telecoaching or tele-coaching).tw.</p>
PsycInfo	<p>Stroke population stem AND [(exp Social Media/ or exp "Information and Communication Technology"/ or exp Computer Mediated Communication/ or internet/ or online therapy/ or electronic collaboration/ or electronic communication/ or online behavior/ or online therapy/ or websites/ or exp computers/ or mobile applications/ or wearable devices/ or exp telecommunications media/ or telecommuting/ or teleconferencing/) AND ((cell\$ or smart\$ or mobile or android or internet or web) adj3 (comput\$ or device or app\$ or phone)).tw. OR (tablet adj3 (device\$ or comput\$)).tw. OR ((physical or physiolog\$ or perform\$ or fit\$ or train\$ or activ\$ or endur\$ or exercise) adj3 (track\$ or monitor\$ or measur\$ or device\$ or app\$)).tw. OR ((step\$ or walk\$) adj3 (count\$ or meter\$ or daily)).tw. OR ("mobile health" or mhealth or m-health or "m health" or "mobile health" or e-health or ehealth or e-rehab\$ or emedicine or e-medicine).tw.) AND (home\$ or remote\$ or distance\$ or distant\$ or tele\$).tw.] [(telemedicine/ or telemetry/ OR (telemetry or tele-health\$ or telehealth\$ or telemedicine or tele-medicine).tw. OR (telecommunication\$ or tele-communication\$ or teleconference\$ or tele-conference\$ or telestroke or tele-stroke).tw.) AND (home\$ or remote\$ or distance\$ or distant\$).tw.] OR (telerehab\$ or tele-rehab\$).tw. OR (teleconsultation\$ or tele-consultation\$ or telecare or tele-care or telespeech or tele-speech or teleOT or tele-OT).tw. (telepractice or tele-practice or teletherap\$ or tele-therap\$).tw. OR ((rehab\$ or therap\$ or treat\$ or communication\$ or consultation\$ or care or specialist\$ or monitor\$ or counsel\$) adj5 (telephone\$ or phone\$ or wireless\$ or video\$ or internet\$ or computer\$ or sensor\$ or modem or web\$ or email or online or on-line or digital)).tw. OR ((remote\$ or distance\$ or distant) adj5 (rehabilitation or therap\$ or treatment or physio\$ or occupational therap\$ or communication or consultation or care or specialist\$)).tw. OR (telehomecare or tele-homecare or telecoaching or tele-coaching).tw. OR exp Telerehabilitation/ or teleconsultation/</p>
Strategies adapted from (Dias et al., 2021, Laranjo et al., 2021)	

Question 38: What is the best blood pressure treatment target for vascular prevention after stroke?

MEDLINE	Stroke population stem AND
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	*Blood Pressure/ OR Hypertension/dh, dt, pc, th [Diet Therapy, Drug Therapy, Prevention & Control, Therapy] OR (hypertens\$ or "blood pressure").tw. AND ((strict\$ or target\$ or tight\$ or intensive or below or goal? or optim\$ or best or preferred) adj2 (systol\$ or diastol\$ or hypertens\$ or antihypertens\$ or control or sbp or dbp or BP or "blood pressure" or level\$ or treat\$)).tw.
Embase	Stroke population stem AND *blood pressure/ OR hypertension/dm, dr, dt, pc, th OR (hypertens\$ or "blood pressure").tw. AND ((strict\$ or target\$ or tight\$ or intensive or below or goal? or optim\$ or best or preferred) adj2 (systol\$ or diastol\$ or hypertens\$ or antihypertens\$ or control or sbp or dbp or BP or "blood pressure" or level\$ or treat\$)).tw.
Strategies adapted from (Arguedas et al., 2020, Arguedas et al., 2013, Saiz et al., 2020)	

Question 39: What is the role of home blood pressure monitoring in managing vascular risk after a stroke?	
MEDLINE	Stroke population stem AND [*Blood Pressure/ OR Hypertension/ae, bl, cl, di, ph, pp, pc OR (hypertens\$ or "blood pressure").tw. AND ((home or ambulatory or self\$) adj5 (measur\$ or telemetry or record\$)).tw. OR exp Telemetry/ OR Telemedicine/ OR exp Sphygmomanometers OR (telemedic\$ or telemonitor\$).tw.] OR ((blood pressure or BP) adj5 (measur\$ or monitor\$)).tw.
Embase	Stroke population stem AND [*blood pressure/ OR hypertension/di, dm, ep, pc, rh, th [Diagnosis, Disease Management, Epidemiology, Prevention, Rehabilitation, Therapy] OR (hypertens\$ or "blood pressure").tw. AND ((home or ambulatory or self\$) adj5 (measur\$ or telemetry or record\$)).tw. OR exp biotelemetry device/ OR exp telemetry/ OR telemedicine/ or telemonitoring/ OR (telemedic\$ or telemonitor\$).tw.] OR ((“blood pressure” or BP) adj5 (measur\$ or monitor\$)).tw.

Question 40: What is the effectiveness of extended rehabilitation at the end of formal therapy or treatment after a stroke?	
MEDLINE	Stroke population stem AND ((follow up or follow-up or aftercare or after-care or post-discharge or postdischarge or 6-month or 6 month or 12 month) adj4 (program* or strateg* or model\$ or service\$)).tw. OR ((extra or extended or additional or more or outpatient\$) adj4 (rehab\$ or therap\$ or psycho\$ or physio\$ or appointment\$ or visit\$)).tw.
Embase	Stroke population stem AND ((follow up or follow-up or aftercare or after-care or post-discharge or postdischarge or 6-month or 6 month or 12 month) adj4 (program* or strateg* or model\$ or service\$)).tw. OR ((extra or extended or additional or more or outpatient\$) adj4 (rehab\$ or therap\$ or psycho\$ or physio\$ or appointment\$ or visit\$)).tw.

AMED	Stroke population stem AND ((follow up or follow-up or aftercare or after-care or post-discharge or postdischarge or 6-month or 6 month or 12 month) adj4 (program* or strateg* or model\$ or service\$)).tw. OR ((extra or extended or additional or more or outpatient\$) adj4 (rehab\$ or therap\$ or psycho\$ or physio\$ or appointment\$ or visit\$)).tw.
PsycInfo	Stroke population stem AND ((follow up or follow-up or aftercare or after-care or post-discharge or postdischarge or 6-month or 6 month or 12 month) adj4 (program* or strateg* or model\$ or service\$)).tw. OR ((extra or extended or additional or more or outpatient\$) adj4 (rehab\$ or therap\$ or psycho\$ or physio\$ or appointment\$ or visit\$)).tw.

Question 41: What staffing levels in post-acute care deliver the best outcomes for people with stroke?

MEDLINE	Stroke population stem AND exp Work/ or exp Workforce/ or Capacity Building/ or Health Workforce/ or exp Health Services/ or exp Health Personnel/ or exp Personnel Management/ or exp Professional Competence/ or exp Patient Care Management/ or exp Patient Care Team/ or exp "Quality of Health Care"/ or Skilled Nursing Facilities/og or exp exp Hospitals/og or Hospital Units/og or Subacute Care/og or exp Rehabilitation/og or Rehabilitation Centers/og OR ("care hour\$" or staff\$ or work\$ or train\$ or roster\$ or schedul\$ or WTE or "whole time equivalent\$" or recruit\$ or productiv\$ or turnover or turn-over or leav\$ or retention or retain or stay or manpower or manpower).tw. OR ((day\$ or night\$ or work\$ or job? or rotat\$ or team\$ or interval? or "long-hour?" or alternat\$ or enhanc\$ or shared or group\$ or overtime) adj2 shift\$).tw. AND ((postacute or post-acute or subacute or sub-acute or long-term or "long term" or longterm or rehab\$ or extended or post-discharge or postdischarge) adj5 (ward\$ or unit\$ or care or service\$ or team\$ or centre\$ or pathway or framework or package)).tw. OR (ESD or CRT or CST or "early supported discharge" or "community rehabilitation").tw. OR ((early or earlier or subacute or "post discharge" or postacute or "post acute" or subacute or sub-acute or long-term or "long term" or longterm or rehab\$ or extended or multi-disciplinary or multidisciplinary or interprofessional or inter-professional) adj5 (community or domiciliary or "primary care" or home or "home based") adj5 (rehabilitation or support\$ or care)).tw. OR ((specialist or specialized or specialised) adj5 (nurs\$ or staff\$)).tw.
Embase	Stroke population stem AND exp work/ or exp workforce/ or exp health care personnel/ or exp health service/ or professional competence/ or collaborative care team/ or night care/ or patient assessment/ or patient care planning/ or patient decision making/ or exp patient monitoring/ or patient referral/ or patient scheduling/ or exp health care delivery/ or exp progressive patient care/ or exp healthcare personnel management/ or exp resource management/ or exp hospital/ or exp health care quality/ AND

	<p>((postacute or post-acute or subacute or sub-acute or long-term or "long term" or longterm or rehab\$ or extended or post-discharge or postdischarge) adj5 (ward\$ or unit\$ or care or service\$ or team\$ or centre\$ or pathway or framework or package)).tw. OR (ESD or CRT or CST or "early supported discharge" or "community rehabilitation").tw. OR ((early or earlier or subacute or "post discharge" or postacute or "post acute" or subacute or sub-acute or long-term or "long term" or longterm or rehab\$ or extended or multi-disciplinary or multidisciplinary or interprofessional or inter-professional) adj5 (community or domiciliary or "primary care" or home or "home based") adj5 (rehabilitation or support\$ or care)).tw.</p>
AMED	<p>Stroke population stem AND exp Employment/ or exp "Delivery of health care"/ or exp Health administration/ or exp Health Facilities/ or exp Health Planning/ or Health Policy/ or Health Promotion/ or exp Health Services/ or Health Personnel/ or exp Personnel Management/ or exp Professional Competence/ or exp Patient Assessment/ or exp Patient Care Planning/ or exp Patient Care Team or exp "Delivery of health care"/ or "Referral and consultation"/ or exp "quality of health care"/ or exp Hospitals/ OR ("care hour\$" or staff\$ or work\$ or train\$ or roster\$ or schedul\$ or WTE or "whole time equivalent\$" or recruit\$ or productiv\$ or turnover or turn-over or leav\$ or retention or retain or stay or manpower or man-power).tw. OR (multi-disciplinary or multidisciplinary or interprofessional or inter-professional).tw. OR ((day\$ or night\$ or work\$ or job? or rotat\$ or team\$ or interval? or "long-hour?" or alternat\$ or enhanc\$ or shared or group\$ or overtime) adj2 shift\$).tw. AND ((postacute or post-acute or subacute or sub-acute or long-term or "long term" or longterm or rehab\$ or extended or post-discharge or postdischarge) adj5 (ward\$ or unit\$ or care or service\$ or team\$ or centre\$ or pathway or framework or package)).tw. OR (ESD or CRT or CST or "early supported discharge" or "community rehabilitation").tw. OR ((early or earlier or subacute or "post discharge" or postacute or "post acute" or subacute or sub-acute or long-term or "long term" or longterm or rehab\$ or extended or multi-disciplinary or multidisciplinary or interprofessional or inter-professional) adj5 (community or domiciliary or "primary care" or home or "home based") adj5 (rehabilitation or support\$ or care)).tw.</p>
PsycInfo	<p>exp Occupations/ or exp Personnel/ or exp Health Care Services/ or exp Professional Competence/ or exp Treatment Planning/ or Human Resource Management/ or Professional Referral/ or exp Treatment Planning/ or Interdisciplinary Treatment Approach/ or exp Rehabilitation/ OR ("care hour\$" or staff\$ or work\$ or train\$ or roster\$ or schedul\$ or WTE or "whole time equivalent\$" or recruit\$ or productiv\$ or turnover or turn-over or leav\$ or retention or retain or stay or manpower or man-power).tw. OR (multi-disciplinary or multidisciplinary or interprofessional or inter-professional).tw. OR ((day\$ or night\$ or work\$ or job? or rotat\$ or team\$ or interval? or "long-hour?" or alternat\$ or enhanc\$ or shared or group\$ or overtime) adj2 shift\$).tw. AND ((postacute or post-acute or subacute or sub-acute or long-term or "long term" or longterm or rehab\$ or extended or post-discharge or postdischarge) adj5 (ward\$ or unit\$ or care or service\$ or team\$ or centre\$ or pathway or framework or package)).tw. OR (ESD or CRT or CST or "early supported discharge" or "community rehabilitation").tw. OR ((early or earlier or subacute or "post discharge" or postacute or "post acute" or subacute or sub-acute or long-term or "long term" or longterm or rehab\$ or extended or multi-disciplinary or multidisciplinary or</p>

	interprofessional or inter-professional) adj5 (community or domiciliary or "primary care" or home or "home based") adj5 (rehabilitation or support\$ or care)).tw.
Strategies adapted from (Langhorne and Baylan, 2017, Langhorne and Ramachandra, 2020)	

Question 42: Does assessment and treatment in Mobile Stroke Units (MSU) for suspected acute stroke patients in the out of hospital setting prior to arrival in hospital lead to better functional outcomes, improved thrombolysis and thrombectomy treatment rates with process times and improved survival compared with routine care?	
MEDLINE	Stroke population stem AND mobile x ray unit/ or exp field hospital/ OR (mobile adj3 ("health unit" or "stroke unit" or telemedicine or "health van\$" or clinic)).mp. OR "mobile stroke unit\$".mp. or MSU.tw.
Embase	Stroke population stem AND Mobile Health Units/ OR (mobile adj3 ("health unit" or "stroke unit" or telemedicine or "health van\$" or clinic)).mp. OR "mobile stroke unit\$".mp. or MSU.tw.

Question 43: Does transporting people with suspected acute stroke directly to a thrombectomy centre improve outcomes compared to being taken to the patient's nearest acute stroke centre?	
MEDLINE	Stroke population stem AND Thrombectomy stem AND (transport\$ or transfer\$).tw. OR (mothership or mother-ship or drip-and-ship or hub or spoke or hub-and-spoke).tw. OR ((neuroscience or thrombectomy or primary or tertiary or endovascular or comprehensive) adj3 centre).tw. OR ((direct or second\$) adj4 (admission\$ or admit\$).tw.
Embase	Stroke population stem AND Thrombectomy stem AND (transport\$ or transfer\$).tw. OR (mothership or mother-ship or drip-and-ship or hub or spoke or hub-and-spoke).tw. OR ((neuroscience or thrombectomy or primary or tertiary or endovascular or comprehensive) adj3 centre).tw. OR ((direct or second\$) adj4 (admission\$ or admit\$).tw.

Question 44: Is the use of MRI with DWI cost effective in identifying patients at high stroke risk compared with standard CT brain imaging in patients with suspected TIA?	
MEDLINE	TIA population stem AND exp Neuroimaging/ or exp Neuroradiography/ or EXP Imaging, Three-Dimensional or exp Multimodal imaging/ or Diagnostic Imaging/ or exp Image Interpretation, Computer-Assisted or exp Magnetic Resonance Imaging/ or Laser Speckle Contrast

	Imaging or Angiography/ or Angiography, Digital Subtraction or Cerebral Angiography/ or exp Subtraction Technique/ or Radionuclide Imaging/ Perfusion Imaging/ or exp Tomography, Emission-Computed/ OR (neuroimaging or neuro-imaging or imaging or MRI or DWI or NMR or MR or CAT or CTA or CT or "magnetic resonance" or tomograph* or angiogra* or arteriogra*).tw. AND SIGN health economics filter
Embase	TIA population stem AND exp neuroimaging/ or three-dimensional imaging/ or exp two-dimensional imaging/ or exp diagnostic imaging/ or exp nuclear magnetic resonance imaging/ or computer assisted tomography/ or exp brain radiography/ OR (neuroimaging or neuro-imaging or imaging or MRI or DWI or NMR or MR or CAT or CTA or CT or "magnetic resonance" or tomograph* or angiogra* or arteriogra*).tw. AND SIGN health economics filter

Question 45: What is the best antithrombotic treatment to prevent short-term vascular events and stroke after cervical artery dissection?	
MEDLINE	Stroke population stem AND Carotid Artery, Internal, Dissection/ OR Vertebral Artery Dissection/ OR ((Carotid artery or vertebral artery or cervical artery or anterior circulation or posterior circulation) adj3 dissection).tw. OR (dissection and CAD).tw.
Embase	Stroke population stem AND carotid artery injury/ OR artery dissection/ OR ((Carotid artery or vertebral artery or cervical artery or anterior circulation or posterior circulation) adj3 dissection).tw. OR (dissection and CAD).tw.
Strategies adapted from (Menon et al., 2008)	

Question 47: What is the best treatment for post-stroke depression?	
MEDLINE	Stroke population stem AND Depression/dm, dt, th or Depressive Disorder/dm, dt, th or Depressive Disorder, Major/dm, dt, th or exp Vascular Depression/ OR ((depress\$ or mood or affective or bipolar or unipolar or manic-depress\$) adj5 (disord\$ or problem or difficult\$ or psycho\$)).tw. OR (low adj3 mood).tw. AND (drug* or treat* or medicat* or pharmacotherap* or pharmaceutical* or therap* or psychotherap* or manag*).tw.
Embase	Stroke population stem AND depression/dm, dt, th or major depression/dm, dt, th or depression assessment/ depress\$.tw. OR ((depress\$ or mood or affective or bipolar or unipolar or manic-depress\$) adj5 (disord\$ or problem or difficult\$ or psycho\$)).tw. OR (low adj3 mood).tw. AND (drug* or treat* or medicat* or pharmacotherap* or pharmaceutical* or therap* or psychotherap* or manag*).tw.
AMED	Stroke population stem AND

	Depression/ or depressive disorder/ OR ((depress\$ or mood or affective or bipolar or unipolar or manic-depress\$) adj5 (disord\$ or problem or difficult\$ or psycho\$)).tw. OR (low adj3 mood).tw. AND (drug* or treat* or medicat* or pharmacotherap* or pharmaceutical* or therap* or psychotherap* or manag*).tw.
PsycInfo	Stroke population stem AND Atypical depression/ or Beck Depression Inventory/ or Depression (Emotion)/ or Cyclothymic Disorder/ or exp Major Depression or Sadness/ OR ((depress\$ or mood or affective or bipolar or unipolar or manic-depress\$) adj5 (disord\$ or problem or difficult\$ or psycho\$)).tw. OR (low adj3 mood).tw. AND (drug* or treat* or medicat* or pharmacotherap* or pharmaceutical* or therap* or psychotherap* or manag*).tw.
Strategies adapted from (Brown et al., 2019)	

Question 48: What is the best method to prevent post-stroke depression?	
MEDLINE	Stroke population stem AND Depression/pc or Depressive Disorder/pc or Depressive Disorder, Major/pc or exp Vascular Depression/ OR ((depress\$ or mood or affective or bipolar or unipolar or manic-depress\$) adj5 (disord\$ or problem or difficult\$ or psycho\$)).tw. OR (low adj3 mood).tw. AND prevent*.tw.
Embase	Stroke population stem AND depression/dm, dt, th or major depression/dm, dt, th or depression assessment/ depress\$.tw. OR ((depress\$ or mood or affective or bipolar or unipolar or manic-depress\$) adj5 (disord\$ or problem or difficult\$ or psycho\$)).tw. OR (low adj3 mood).tw. AND prevent*.tw.
AMED	Stroke population stem AND Depression/ or depressive disorder/ OR ((depress\$ or mood or affective or bipolar or unipolar or manic-depress\$) adj5 (disord\$ or problem or difficult\$ or psycho\$)).tw. OR (low adj3 mood).tw. AND prevent*.tw.
PsycInfo	Stroke population stem AND Atypical depression/ or Beck Depression Inventory/ or Depression (Emotion)/ or Cyclothymic Disorder/ or exp Major Depression or Sadness/ OR ((depress\$ or mood or affective or bipolar or unipolar or manic-depress\$) adj5 (disord\$ or problem or difficult\$ or psycho\$)).tw. OR (low adj3 mood).tw. AND prevent*.tw.
Strategies adapted from (Brown et al., 2019)	

Question 49: Do interventions aimed at treating anxiety after stroke improve outcomes?	
MEDLINE	Stroke population stem AND

	*obsessive compulsive disorder/dm, dt, th OR ((anxiety\$ or panic or obsessive compulsive or post-traumatic stress\$) adj disorder).tw. OR (panic attack\$ or phobia\$).tw. OR exp Anxiety/dm, dt, th OR exp Anti-Anxiety Agents/dm, dt, th OR exp Anxiety Disorders/dm, dt, th
Embase	Stroke population stem AND ((anxiety\$ or panic or obsessive compulsive or post-traumatic stress\$) adj disorder).tw. OR (panic attack\$ or phobia\$).tw. OR anxiety/dm, dt, th *obsessive compulsive disorder/dm, dt, th OR exp generalized anxiety disorder/dm, dt, th OR exp anxiolytic agent/ OR exp "mixed anxiety and depression"/dm, dt, th exp anxiety neurosis/dm, dt, th OR exp anxiety disorder/dm, dt, th
AMED	Stroke population stem AND ((anxiety\$ or panic or obsessive compulsive or post-traumatic stress\$) adj disorder).tw. OR (panic attack\$ or phobia\$).tw. OR Obsessive compulsive disorder/ OR Anxiety disorders/ OR Anxiety/
PsycInfo	Stroke population stem AND *obsessive compulsive disorder/ OR ((anxiety\$ or panic or obsessive compulsive or post-traumatic stress\$) adj disorder).tw. OR (panic attack\$, or phobia\$).tw. exp Anxiety/ OR exp Anxiety Disorders/ or exp Anxiety/ or exp Anxiety Management/ OR exp Diazepam/ or exp Benzodiazepines/ or exp Tranquilizing Drugs/

Question 50: Do interventions aimed at treating post-stroke apathy improve outcomes? previously How should clinicians screen for and treat post-stroke apathy?

MEDLINE	Stroke population stem AND exp Apathy/ OR apathy\$.tw. OR (abulia or amotivation or avolition).tw. OR ((lack\$ or reduce\$ or low\$ or decrease\$) adj3 motivation).tw.
Embase	Stroke population stem AND exp apathy/ OR apathy\$.tw. OR (abulia or amotivation or avolition).tw. OR ((lack\$ or reduce\$ or low\$ or decrease\$) adj3 motivation).tw.
AMED	Stroke population stem AND exp motivation/ OR apathy\$.tw. OR (abulia or amotivation or avolition).tw. OR ((lack\$ or reduce\$ or low\$ or decrease\$) adj3 motivation).tw.
PsycInfo	Stroke population stem AND Apathy/ OR apathy\$.tw. OR (abulia or amotivation or avolition).tw. OR ((lack\$ or reduce\$ or low\$ or decrease\$) adj3 motivation).tw.
Strategies adapted from (van Dalen et al., 2013)	

Question 51: What are the effects of different management strategies for post-stroke fatigue?

MEDLINE	Stroke population stem AND (fatigue\$ or asthenia\$ or neurasthenia\$ or tired\$ or weary or weariness or exhaust\$ or lassitude or listlessness or lethargy\$.tw. OR ((low or lowered or lack or lacking
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	adj3 energy).tw. OR exp Fatigue/ or Asthenia/ or Fatigue Syndrome, Chronic/ OR (sleepiness or sleepy).tw. OR (sleep adj2 (disorder\$ or disturb\$)).tw.
Embase	Stroke population stem AND ((low or lowered or lack or lacking) adj3 energy).tw. OR (fatigue\$ or astheni\$ or neurastheni\$ or tired\$ or weary or weariness or exhaust\$ or lassitude or listlessness or letharg\$).tw. OR (sleepiness or sleepy).tw. OR (sleep adj2 (disorder\$ or disturb\$)).tw. OR fatigue/ or chronic fatigue syndrome/ or exhaustion/ or lassitude/ or mental fatigue/ OR asthenia/ or lethargy/ or listlessness/ or neurasthenia/
AMED	Stroke population stem AND fatigue/ or fatigue mental/ OR fatigue syndrome chronic/ OR ((low or lowered or lack or lacking) adj3 energy).tw. OR (fatigue\$ or astheni\$ or neurastheni\$ or tired\$ or wear\$ or exhaust\$ or lassitude or listlessness or letharg\$).tw. OR (sleepiness or sleepy).tw. OR (sleep adj2 (disorder\$ or disturb\$)).tw.
PsycInfo	Stroke population stem AND ((low or lowered or lack or lacking) adj3 energy).tw. OR (fatigue\$ or astheni\$ or neurastheni\$ or tired\$ or weary or weariness or exhaust\$ or lassitude or listlessness or letharg\$).tw. OR (sleepiness or sleepy).tw. OR (sleep adj2 (disorder\$ or disturb\$)).tw. OR fatigue/ or chronic fatigue syndrome/ OR asthenia/ or neurasthenia/
Strategies adapted from (Wu et al., 2015)	

Question 52: What is best way to support people with stroke to return to work?

MEDLINE	Stroke population stem AND exp "personnel staffing and scheduling"/ or return to work/ or work engagement/ or work performance/ OR Rehabilitation, Vocational/ or employment/ or employment, supported/ or return to work/ or unemployment/ or workplace/ or work/ or work engagement/ or work performance/ OR ("employment status" or re-employment or RTW).tw. OR ((work or job or vocation\$ or employment or education) adj3 (resum\$ or reintegration or return\$ or re-entry or back or accomodation* or rehabilitation or paid or voluntary or volunteer)).tw.
Embase	Stroke population stem AND exp occupational health/ OR exp employment/ OR exp work/ OR ("employment status" or re-employment or RTW).tw. OR ((work or job or vocation\$ or employment or education) adj3 (resum\$ or reintegration or return\$ or re-entry or back or accomodation* or rehabilitation or paid or voluntary or volunteer)).tw.
AMED	Stroke population stem AND exp rehabilitation vocational/ OR exp employment/ OR ((work or job or vocation\$ or employment or education) adj3 (resum\$ or reintegration or return\$ or re-entry or back or accomodation* or rehabilitation or paid or voluntary or volunteer)).tw. OR ("employment status" or re-employment or RTW).tw.
PsycInfo	Stroke population stem AND exp vocational rehabilitation/ OR occupations/ or employment status/ or occupational tenure/ or occupational guidance/ or occupational status/ or occupational stress/ or occupational success/ OR ("employment status" or re-employment or RTW).tw. OR ((work or job or vocation\$ or employment or

	education) adj3 (resum\$ or reintegration or return\$ or re-entry or back or accomodation* or rehabilitation or paid or voluntary or volunteer)).tw.
Strategies adapted from (Venning et al., 2021)	

Question 53: Does vagal nerve stimulation improve outcomes after stroke?	
MEDLINE	Stroke population stem AND exp Vagus Nerve Stimulation/ OR ("vagal nerve stimulation" or "vagus nerve stimulation").tw. OR ((Electric Stimulation/ OR Electric Stimulation Therapy/ or Transcutaneous Electric Nerve Stimulation/) AND (Vagus Nerve/ or "vag\$ nerve".tw.))
Embase	Stroke population stem AND exp vagus nerve simulation/ OR ("vagal nerve stimulation" or "vagus nerve stimulation").tw. OR ((electrostimulation/ OR electrotherapy/ or high frequency electrotherapy/ or low frequency electrotherapy/ or nerve stimulation/) AND (vagus nerve/ or "vag\$ nerve".tw.))
AMED	Stroke population stem AND ("vagal nerve stimulation" or "vagus nerve stimulation").tw. OR ((Electric Stimulation/ OR Electrotherapy/) AND (exp Vagus nerve/ or "vag\$ nerve".tw.))

Question 54: What is the effectiveness of intensive arm recovery programmes after stroke?	
MEDLINE	Stroke population stem AND exp Upper Extremity/ OR (upper limb\$ or upper extremit\$ or arm or shoulder or hand or axilla or elbow\$ or forearm\$ or finger\$ or wrist\$).tw. AND intens\$.tw. OR (7-day or "7 day" or 5-day or "5 day" or seven-day or five-day).tw. OR ((increas\$ or high\$ or more or different\$ or low\$ or reduce\$ or change\$ or alter\$ or physiotherapy or rehab\$ or therapy or intervention\$) adj3 (timing or frequency or duration or content or dose\$ or dosage\$ or intens\$ or minute\$ or volume\$ or hour\$ or deliver\$)).tw.
Embase	Stroke population stem AND exp upper limb/ OR (upper limb\$ or upper extremit\$ or arm or shoulder or hand or axilla or elbow\$ or forearm\$ or finger\$ or wrist\$).tw. AND intens\$.tw. OR (7-day or "7 day" or 5-day or "5 day" or seven-day or five-day).tw. ((increas\$ or high\$ or more or different\$ or low\$ or reduce\$ or change\$ or alter\$ or physiotherapy or rehab\$ or therapy or intervention\$) adj3 (timing or frequency or duration or content or dose\$ or dosage\$ or intens\$ or minute\$ or volume\$ or hour\$ or deliver\$)).tw.
AMED	Stroke population stem AND exp Arm/ OR (upper limb\$ or upper extremit\$ or arm or shoulder or hand or axilla or elbow\$ or forearm\$ or finger\$ or wrist\$).tw. AND intens\$.tw. OR (7-day or "7 day" or 5-day or "5 day" or seven-day or five-day).tw. ((increas\$ or high\$ or more or different\$ or low\$ or reduce\$ or change\$ or alter\$ or physiotherapy or rehab\$ or therapy or intervention\$) adj3 (timing or frequency or

	duration or content or dose\$ or dosage\$ or intens\$ or minute\$ or volume\$ or hour\$ or deliver\$)).tw.
Strategies adapted from Hayward et al. (2021)	

Question 55: What is the effectiveness of technological methods for the treatment of post-stroke aphasia?

MEDLINE	Stroke population stem AND exp aphasia/ OR dysphasia/ or language disability/ or speech disorder/ (aphasi\$ or dysphasi\$ or anomia or anomic).tw. OR ((speech or language\$ or linguistic or communicat\$) adj5 (disorder\$ or impair\$ or problem\$ or dysfunction or difficult\$)).tw. AND exp "speech and language rehabilitation"/ OR ((speech or language\$ or linguistic or aphasi\$ or dysphasi\$ or anomia or anomic) adj5 (therap\$ or train\$ or rehab\$ or treat\$ or remediates\$ or intervention\$ or pathol\$ or trial or education\$ or counseling)).tw. OR (SLT or SALT or SLP).tw.
Embase	Stroke population stem AND communication disorders/ or language disorders/ or anomia/ or speech disorders/ or exp aphasia/ OR (aphasi\$ or dysphasi\$ or anomi\$).tw. OR ((speech or language\$ or linguistic or communicat\$) adj5 (disorder\$ or impair\$ or problem\$ or dysfunction or difficult\$ or processing)).tw. AND Speech-Language Pathology/ or exp "rehabilitation of speech and language disorders"/ OR ((speech or language\$ or linguistic or aphasi\$ or dysphasi\$ or anomia or anomic) adj5 (therap\$ or train\$ or rehab\$ or treat\$ or remediates\$ or intervention\$ or pathol\$ or trial or education\$ or counseling)).tw. OR (SLT or SALT or SLP).tw.
AMED	Stroke population stem AND exp Communicative disorders/ OR exp Language disorders/ OR exp Speech disorders/ OR exp Aphasia/ OR (aphasi\$ or dysphasi\$ or anomi\$).tw. OR ((speech or language\$ or linguistic or communicat\$) adj5 (disorder\$ or impair\$ or problem\$ or dysfunction or difficult\$ or processing)).tw. AND exp Speech language pathology/ OR ((speech or language\$ or linguistic or aphasi\$ or dysphasi\$ or anomia or anomic) adj5 (therap\$ or train\$ or rehab\$ or treat\$ or remediates\$ or intervention\$ or pathol\$ or trial or education\$ or counseling)).tw. OR (SLT or SALT or SLP).tw.

Question 56: Does person-centred self-directed rehabilitation reduce dependency after stroke?

MEDLINE	Stroke population stem AND Exp Self-Management/ OR ((patient or person or family) adj (focused or centred)).tw. OR (self-administer* or self-care or self-direct* or self-manag* or self- supervised or home-based).tw.
Embase	Stroke population stem AND

	Exp self care/ OR ((patient or person or family) adj (focused or centred)).tw. OR (self-administer* or self-care or self-direct* or self-manag* or self-supervised or home-based).tw.
AMED	Stroke population stem AND ((patient or person or family) adj (focused or centred)).tw. OR (self-administer* or self-care or self-direct* or self-manag* or self-supervised or home-based).tw.
PsycInfo	Stroke population stem AND Exp Self-Management/ OR ((patient or person or family) adj (focused or centred)).tw. OR (self-administer* or self-care or self-direct* or self-manag* or self-supervised or home-based).tw.

Question 57: For nutritionally vulnerable stroke patients, does nutritional support result in improved outcomes?

MEDLINE	Stroke population stem AND exp Parenteral Nutrition/ or exp Nutrition Assessment/ or exp Nutrition Therapy/ or exp Enteral Nutrition/ or exp Nutrition Policy/ OR (nutrition or nutritional or maln* or undernutr* or under-nutr* or undernourish* or under-nourish* or "protein-energy malnutrition").tw. OR (nutrition* adj (risk or status)).tw. or exp Deglutition Disorders/ or Deglutition/ OR ((swallow\$ deglutition or eating or drinking or feeding) adj4 (disorder\$ or deficit\$ or problem\$ or difficult\$ or impair\$ or unsafe)).tw. OR dysphagi\$.tw. AND (oral nutritional adj (support or supplement*)).tw. OR ((diet* or nutri* or food) adj supplement*).tw. OR (diet* adj advice).tw. OR (snacks or "fortified food" or "food fortification" or "nutrion therap*").tw. OR (diet* adj (advice or therap* or counselling)).tw. OR ((energy or calorie or protein or "energy protein" or "calorie protein") adj supplement).tw. OR (tube adj2 feed*).tw. OR ((enter* or nasoenter* or nasojejunal or naso* or gastric or post-pyloric or postpyloric or artificial) adj (feeding or tube or nutrition)).tw. OR ((enter* or nasoenter* or nasojejunal or nasoduodenal or naso* or gastric or post-pyloric or postpyloric or artificial) adj (feeding or tube or nutrition)).tw. OR ("feeding methods" or "percutaneous endoscopic gastrostomy" or PEG or "percutaneous fluoroscopic gastrostomy" or gastrostomy or "endoscopic surgical procedure*").tw. OR ("feeding methods" or "percutaneous endoscopic gastrostomy" or PEG or "percutaneous fluoroscopic gastrostomy" or gastrostomy or "endoscopic surgical procedure*").tw. OR (assistance or support or feeding or pacing or "adapted cutlery" or "assistive device" or "practical aid" or mealtime or "protected mealtime" or positioning or training or education or catering or "food service").tw. OR (dieti?ian or "dietetic support worker" or "dietetic assistant" or "nutrition support worker" or "nutrition assistant" or volunteer).tw. OR ((breakfast or lunch or dinner) adj (club or group)).tw. OR (assistance or support or feeding or pacing or "adapted cutlery" or "assistive device" or "practical aid" or mealtime or "protected mealtime" or positioning or training or education or catering or "food service" or "enriched environment" or "red tray system" or "communal meal*" or "drink\$ round" or "snack\$ round").tw.
Embase	Stroke population stem AND (nutrition or nutritional or maln* or undernutr* or under-nutr* or undernourish* or under-nourish* or "protein-energy malnutrition").tw. OR (nutrition* adj3 (risk or

	<p>status or deficient* or vulnerab*).tw. or dysphagia aid/ or exp dysphagia/ or swallowing/ OR ((swallow\$ deglutition or eating or drinking or feeding) adj4 (disorder\$ or deficit\$ or problem\$ or difficult\$ or impair\$ or unsafe)).tw. OR dysphagi\$.tw. AND</p> <p>(oral nutritional adj (support or supplement*).tw. OR ((diet* or nutri* or food) adj supplement*).tw. OR (diet* adj advice).tw. OR (snacks or "fortified food" or "food fortification" or "nutrition therap*").tw. OR (diet* adj (advice or therap* or counselling)).tw. OR ((energy or calorie or protein or "energy protein" or "calorie protein") adj supplement).tw. OR (tube adj2 feed*).tw. OR ((enter* or nasoenter* or nasojejunal or naso* or gastric or post-pyloric or postpyloric or artificial) adj (feeding or tube or nutrition)).tw. OR ((enter* or nasoenter* or nasojejunal or nasoduodenal or naso* or gastric or post-pyloric or postpyloric or artificial) adj (feeding or tube or nutrition)).tw. OR ("feeding methods" or "percutaneous endoscopic gastrostomy" or PEG or "percutaneous fluoroscopic gastrostomy" or gastrostomy or "endoscopic surgical procedure*").tw. OR (assistance or support or feeding or pacing or "adapted cutlery" or "assistive device" or "practical aid" or mealtime or "protected mealtime" or positioning or training or education or catering or "food service").tw. OR (dietitian or "dietetic support worker" or "dietetic assistant" or "nutrition support worker" or "nutrition assistant" or volunteer).tw. OR ((breakfast or lunch or dinner) adj (club or group)).tw. OR (assistance or support or feeding or pacing or "adapted cutlery" or "assistive device" or "practical aid" or mealtime or "protected mealtime" or positioning or training or education or catering or "food service" or "enriched environment" or "red tray system" or "communal meal*" or "drink\$ round" or "snack\$ round").tw.</p>
<p>AMED</p>	<p>Stroke population stem AND</p> <p>enteral feeding/ or exp parenteral feeding/ OR exp nutrition/ OR exp nutrition therapy/ OR (nutrition or nutritional or maln* or undernutr* or under-nutr* or undernourish* or under-nourish* or "protein-energy malnutrition").tw. (nutrition* adj (risk or status)).tw. or exp Deglutition/ or exp Deglutition disorders/ OR ((swallow\$ deglutition or eating or drinking or feeding) adj4 (disorder\$ or deficit\$ or problem\$ or difficult\$ or impair\$ or unsafe)).tw. OR dysphagi\$.tw. AND (nutrition or nutritional or maln* or undernutr* or under-nutr* or undernourish* or under-nourish* or "protein-energy malnutrition").tw. OR (nutrition* adj3 (risk or status or deficient* or vulnerab*).tw. OR (oral nutritional adj (support or supplement*).tw. OR ((diet* or nutri* or food) adj supplement*).tw. (diet* adj advice).tw. OR (snacks or "fortified food" or "food fortification" or "nutrition therap*").tw. OR (diet* adj (advice or therap* or counselling)).tw. ((energy or calorie or protein or "energy protein" or "calorie protein") adj supplement).tw. OR (tube adj2 feed*).tw. OR ((enter* or nasoenter* or nasojejunal or naso* or gastric or post-pyloric or postpyloric or artificial) adj (feeding or tube or nutrition)).tw. OR ((enter* or nasoenter* or nasojejunal or nasoduodenal or naso* or gastric or post-pyloric or postpyloric or artificial) adj (feeding or tube or nutrition)).tw. OR ("feeding methods" or "percutaneous endoscopic gastrostomy" or PEG or "percutaneous fluoroscopic gastrostomy" or gastrostomy or "endoscopic surgical procedure*").tw. OR (assistance or support or feeding or pacing or "adapted cutlery" or "assistive device" or "practical aid" or mealtime or "protected mealtime" or positioning or training or education or catering or "food service").tw.</p>

	(dietitian or "dietetic support worker" or "dietetic assistant" or "nutrition support worker" or "nutrition assistant" or volunteer).tw. OR ((breakfast or lunch or dinner) adj (club or group)).tw. OR (assistance or support or feeding or pacing or "adapted cutlery" or "assistive device" or "practical aid" or mealtime or "protected mealtime" or positioning or training or education or catering or "food service" or "enriched environment" or "red tray system" or "communal meal*" or "drink\$ round" or "snack\$ round").tw.
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Question 58: For patients with stroke receiving nasogastric feeding, is a nasal bridle or other restraining device associated with improved outcomes?

MEDLINE	Stroke population stem AND ((endo* or enter* or parenter* or gastric or naso* or postpyloric or post-pyloric or artificial) adj3 (feeding or hydration or nutrition or support or tube)).tw. OR exp Nutritional Support/ or enteral nutrition/ or parenteral nutrition/ or intubation, gastrointestinal/ or Gastrostomy/ AND (bridl* or loop* or mitt* or lasso* or retain* or fix* or tape or taping or taped or dressing* or suture* or restrain* or secur* or stitch*).tw.
Embase	Stroke population stem AND nutritional support/ OR exp artificial feeding/ OR exp digestive tract intubation/ gastrostomy/ OR ((endo* or enter* or parenter* or gastric or naso* or postpyloric or post-pyloric or artificial) adj5 (feeding or hydration or nutrition or support or tube)).tw. AND (bridl* or loop* or mitt* or lasso* or retain* or fix* or tape or taping or taped or dressing* or suture* or restrain* or secur* or stitch*).tw.
AMED	Stroke population stem AND nutrition/ or nutritional status/ OR exp feeding methods/ OR gastrostomy/ OR ((endo* or enter* or parenter* or gastric or naso* or postpyloric or post-pyloric or artificial) adj5 (feeding or hydration or nutrition or support or tube)).tw.

Question 59: For patients with stroke, do protocols/practices that support eating and drinking at accepted/acknowledged risk improve care or patient experience?

MEDLINE	Stroke population stem AND exp Deglutition Disorders/ or Deglutition/ OR ((swallow\$ deglutition or eating or drinking or feeding) adj4 (disorder\$ or deficit\$ or problem\$ or difficult\$ or impair\$ or unsafe)).tw. OR dysphagi\$.tw. AND ((risk or comfort) and (eating or drinking or feeding or nutrition or acknowledged or aspiration)).tw.
Embase	Stroke population stem AND dysphagia aid/ or exp dysphagia/ or swallowing/ OR ((swallow\$ deglutition or eating or drinking or feeding) adj4 (disorder\$ or deficit\$ or problem\$ or difficult\$ or impair\$ or unsafe)).tw. OR dysphagi\$.tw. AND ((risk or comfort) and (eating or drinking or feeding or nutrition or acknowledged or aspiration)).tw.
AMED	Stroke population stem AND

	exp Deglutition/ or exp Deglutition disorders/ OR ((swallow\$ deglutition or eating or drinking or feeding) adj4 (disorder\$ or deficit\$ or problem\$ or difficult\$ or impair\$ or unsafe)).tw. OR dysphagi\$.tw. AND ((risk or comfort) and (eating or drinking or feeding or nutrition or acknowledged or aspiration)).tw.
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Scottish Intercollegiate Guidelines Network (SIGN) search filters (MEDLINE, EMBASE)

Search filters are pre-tested strategies that identify the higher quality evidence from the vast amounts of literature indexed in the major medical databases. Filters exist for most types of experimental design and are comprised of index terms relating to study type and specific terms associated with the methodological description of good experimental design.

The search filters below were developed by SIGN or were created by other research organisations and adapted to meet SIGN information needs. SIGN's filters may provide less sensitive searches than used by other systematic reviewers such as The Cochrane Collaboration, but enable the retrieval of medical studies that are most likely to match SIGN's methodological criteria.

Literature searches undertaken for this guideline update are filtered where suggested by topic group lead and editor, or for searches with an unmanageably high output. Search filters are downloaded from the SIGN website (<https://www.sign.ac.uk/what-we-do/methodology/search-filters/>) and run in Ovid implementations of MEDLINE and EMBASE.

SIGN filter for systematic reviews

The search filter used by SIGN to retrieve systematic reviews is an adaptation of the systematic reviews filter designed by the Health Information Research Unit of the McMaster University, Ontario. The systematic reviews filter emphasises specificity rather than sensitivity

MEDLINE

1. Meta-Analysis as Topic/
2. meta analy\$.tw.
3. metaanaly\$.tw.
4. Meta-Analysis/
5. (systematic adj (review\$1 or overview\$1)).tw.
6. exp Review Literature as Topic/
7. or/1-6
8. cochrane.ab.
9. Embase.ab.
10. (psychlit or psyclit).ab.
11. (psychinfo or psycinfo).ab.
12. (cinahl or cinhal).ab.
13. science citation index.ab.
14. bids.ab.
15. cancerlit.ab.
16. or/8-15
17. reference list\$.ab.
18. bibliograph\$.ab.
19. hand-search\$.ab.
20. relevant journals.ab.
21. manual search\$.ab.

Embase

1. exp Meta Analysis/
2. ((meta adj analy\$) or metaanalys\$.tw.
3. (systematic adj (review\$1 or overview\$1)).tw.
4. or/1-3
5. cancerlit.ab.
6. cochrane.ab.
7. Embase.ab.
8. (psychlit or psyclit).ab.
9. (psychinfo or psycinfo).ab.
10. (cinahl or cinhal).ab.
11. science citation index.ab.
12. bids.ab.
13. or/5-12
14. reference lists.ab.
15. bibliograph\$.ab.
16. hand-search\$.ab.
17. manual search\$.ab.
18. relevant journals.ab.
19. or/14-18
20. data extraction.ab.
21. selection criteria.ab.
22. 20 or 21

<p>22. or/17-21 23. selection criteria.ab. 24. data extraction.ab. 25. 23 or 24 26. Review/ 27. 25 and 26 28. Comment/ 29. Letter/ 30. Editorial/ 31. animal/ 32. human/ 33. 31 not (31 and 32) 34. or/28-30,33 35. 7 or 16 or 22 or 27 36. 35 not 34</p>	<p>23. review.pt. 24. 22 and 23 25. letter.pt. 26. editorial.pt. 27. animal/ 28. human/ 29. 27 not (27 and 28) 30. or/25-26,29 31. 4 or 13 or 19 or 24 32. 31 not 30</p>
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SIGN filter for Randomised Controlled Trials (RCTs)

The search filter used by SIGN to retrieve randomised controlled trials has been adapted from the first two sections of strategy designed by the Cochrane Collaboration identifying RCTs for systematic review.

MEDLINE	Embase
1 Randomized Controlled Trials as Topic/	1 Clinical Trial/
2 randomized controlled trial/	2 Randomized Controlled Trial/
3 Random Allocation/	3 controlled clinical trial/
4 Double Blind Method/	4 multicenter study/
5 Single Blind Method/	5 Phase 3 clinical trial/
6 clinical trial/	6 Phase 4 clinical trial/
7 clinical trial, phase i.pt	7 exp RANDOMIZATION /
8 clinical trial, phase ii.pt	8 Single Blind Procedure/
9 clinical trial, phase iii.pt	9 Double Blind Procedure/
10 clinical trial, phase iv.pt	10 Crossover Procedure/
11 controlled clinical trial.pt	11 PLACEBO/
12 randomized controlled trial.pt	12 randomi?ed controlled trial\$.tw.
13 multicenter study.pt	13 rct.tw.
14 clinical trial.pt	14 (random\$ adj2 allocat\$).tw.
15 exp Clinical Trials as topic/	15 single blind\$.tw.
16 or/1-15	16 double blind\$.tw.
17 (clinical adj trial\$).tw	17 ((treble or triple) adj blind\$).tw.
18 ((singl\$ or doubl\$ or treb\$ or tripl\$) adj (blind\$3 or mask\$3)).tw	18 placebo\$.tw.
19 PLACEBOS/	19 Prospective Study/
20 placebo\$.tw	20 or/1-19
21 randomly allocated.tw	21 Case Study/
22 (allocated adj2 random\$).tw	22 case report.tw.
23 or/17-22	23 abstract report/ or letter/
24 16 or 23	24 Conference proceeding.pt.
	25 Conference abstract.pt.

25 case report.tw	26 Editorial.pt.
26 letter/	27 Letter.pt.
27 historical article/	28 Note.pt.
28 or/25-27	29 or/21-28
29 24 not 28	30 20 not 29

SIGN filter for economic studies

The economic studies filter used by SIGN is an adaptation of the strategy designed by the NHS Centre for Reviews and Dissemination at the University of York.

<p>MEDLINE</p> <ol style="list-style-type: none"> 1 Economics/ 2 "costs and cost analysis"/ 3 Cost allocation/ 4 Cost-benefit analysis/ 5 Cost control/ 6 Cost savings/ 7 Cost of illness/ 8 Cost sharing/ 9 "deductibles and coinsurance"/ 10 Medical savings accounts/ 11 Health care costs/ 12 Direct service costs/ 13 Drug costs/ 14 Employer health costs/ 15 Hospital costs/ 16 Health expenditures/ 17 Capital expenditures/ 18 Value of life/ 19 Exp economics, hospital/ 20 Exp economics, medical/ 21 Economics, nursing/ 22 Economics, pharmaceutical/ 23 Exp "fees and charges"/ 24 Exp budgets/ 25 (low adj cost).mp. 26 (high adj cost).mp. 27 (health?care adj cost\$).mp. 28 (fiscal or funding or financial or finance).tw. 29 (cost adj estimate\$).mp. 30 (cost adj variable).mp. 31 (unit adj cost\$).mp. 32 (economic\$ or pharmacoeconomic\$ or price\$ or pricing).tw. 33 Or/1-32 	<p>Embase</p> <ol style="list-style-type: none"> 1 Socioeconomics/ 2 Cost benefit analysis/ 3 Cost effectiveness analysis/ 4 Cost of illness/ 5 Cost control/ 6 Economic aspect/ 7 Financial management/ 8 Health care cost/ 9 Health care financing/ 10 Health economics/ 11 Hospital cost/ 12 (fiscal or financial or finance or funding).tw. 13 Cost minimization analysis/ 14 (cost adj estimate\$).mp. 15 (cost adj variable\$).mp. 16 (unit adj cost\$).mp. 17 Or/1-16
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SIGN filter for patient issues

The strategy was developed by Nederlands Huisartsen Genootschap.

- 1 exp Consumer Participation/
- 2 ((patient\$ or consumer\$) adj3 (participat\$ or decisi\$ or decid\$)).ti,ab.
- 3 "Patient Acceptance of Health Care"/
- 4 exp attitude to health/
- 5 consumer satisfaction/
- 6 exp *Consumer Satisfaction/
- 7 Patient Preference/
- 8 "patient-focused".ti,ab.
- 9 "patient-centered".ti,ab.
- 10 "patient-centred".ti,ab.
- 11 (patient adj3 (attitude\$ or preference\$)).ti,ab.
- 12 "patient satisfaction".ti.
- 13 cooperative behavior/
- 14 exp self-efficacy/
- 15 self-efficacy.ti,ab.
- 16 exp adaptation, psychological/
- 17 coping.ti,ab.
- 18 ("self-perception" or "self-concept").ti,ab.
- 19 exp health education/
- 20 patient education as topic/
- 21 exp attitude to health/
- 22 health knowledge, attitudes, practice/
- 23 "informed choice".ti,ab. (1198)
- 24 "shared decision making".ti,ab.
- 25 empowerment.tw.
- 26 ("focus group" adj3 (patient\$ or parent\$ or famil\$ or spouse\$)).ti,ab.
- 27 *"Quality of Life"/
- 28 "Quality of Life"/px [Psychology]
- 29 (QoL or "quality of life").ti.
- 30 personal autonomy/
- 31 self concept/
- 32 Consumer Advocacy/
- 33 freedom/
- 34 needs assessment/
- 35 patient advocacy/
- 36 self-help groups/
- 37 life change events/
- 38 attitude to death/
- 39 patient-centered care/
- 40 exp professional-patient relations/
- 41 self care/
- 42 self-management.ti.

43 ((patient\$ or consumer\$ or parent\$ or famil\$ or spouse\$) adj (attitude\$ or involvement or desir\$ or perspective\$ or activation or view\$ or preference\$)).ti,ab.
44 "expert patient".ti,ab.
45 or/1-44
46 exp decision making/
47 exp communication/
48 stress, psychological/
49 emotions/
50 vignette*.ti,ab.
51 or/46-50
52 exp Patients/px [Psychology]
53 (patient\$ or consumer\$).ti.
54 or/52-53
55 51 and 54
56 "focus group\$".ti,ab.
57 focus groups/
58 narration/
59 qualitative.ti.
60 or/56-59
61 45 or 55 or 60