



NOAK vs. Warfarin ved atrieflimmer og ischemisk hjerneslag – PICO 2.3

Kontaktperson: Liv Hege Kateraas og Bent Indredavik
Søk: Marita Heintz
Kommentar: Søk etter systematiske oversikter
Tidsbruk: 25 timer

Dublettsjekk i EndNote:

Før dublettkontroll: 682
 Etter dublettkontroll: 516

Pico-skjema:

Hva handler spørsmålet om?	Spørsmålet i PICO format			
	Populasjon (pasient)	Intervensjon (tiltak)	Comparison (sammenligning/kontroll)	Outcome(s) (utfall/effekt)
Er NOAK bedre eller like gode som warfarin hos pasienter med atrieflimmer og iskemisk hjerneslag?	Alle med hjerneinfarkt, Transitorisk iskemisk atakk og atrieflimmer	Nye orale antikoagulantia	Warfarin	Recidiv hjerneinfarkt, hjernblødning, død, andre major bleedings

Database: Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to Present

Dato: 21.06.2016

Antall treff: 342

1	stroke/ or cerebral infarction/ or infarction, middle cerebral artery/ or infarction, posterior cerebral artery/ or stroke, lacunar/ or basal ganglia hemorrhage/ or carotid artery thrombosis/ or "intracranial embolism and thrombosis"/ or intracranial embolism/ or intracranial thrombosis/ or intracranial hemorrhages/ or cerebral hemorrhage/ or intracranial hemorrhage, hypertensive/	138395
2	(stroke or cerebrovasc* or brain vasc* or cerebral vasc* or cva* or apoplex*).tw.	220318
3	((brain* or cerebr* or cerebell* or vertebrobasilar or hemispher* or intracran* or intracerebral or infratentorial or supratentorial or MCA or anterior circulation or posterior circulation or basal ganglia or penumbra) adj5 (infarct* or thrombo* or emboli*)).tw.	43285
4	((brain* or cerebr* or cerebell* or intracerebral or intracran* or parenchymal or intraventricular or infratentorial or supratentorial or basal gangli*) adj5 (haemorrhage* or hemorrhage* or haematoma* or hematoma* or bleed*)).tw.	45061
5	Ischemic Attack, Transient/	18667



6	(TIA or TIAs or ((ischemic or ischaemic) adj (attack? or seizure?)) or (transient adj (brainstem or brain or "brain stem" or cerebral) adj (ischemia? or ischaemia?)) or (circulatory adj1 epilepsy)).tw.	16658
7	atrial fibrillation/ or atrial flutter/	43547
8	((atri* or auri* or supraventricular) adj3 (flutter* or fibrillation* or fibrillation*)).tw.	52511
9	or/1-8	373106
10	anticoagulants/ or antithrombins/ or Dabigatran/ or exp Vitamin K/ai [Antagonists & Inhibitors]	66862
11	((new or novel) adj2 oral anticoagulant*) or NOAC).tw.	2158
12	("direct thrombin" adj2 inhibit*).mp.	2162
13	(dabigatran or "bibr 1048" or bibr1048 or pradax or pradaxa or prazaxa or rendix or "bibr 953" or bibr953 or antistasin or betrixaban or "du 176b" or eribaxaban or fondaparinux or idraparinux or otamixaban or razaxaban or yagin or "ym 150" or ym150 or LY517717 or darexaban or SSR126517E).mp.	4891
14	("vitamin K antagonist*" or "vitamink antagonist*" or VKA or VKAs).tw.	3447
15	or/10-14	70003
16	Warfarin/	16359
17	(marevan or warfarin* or coumadin* or coumarin or jantoven or lawarin or waran or warfant or adoisine or aldocumar or athrombin* k or carfin or coumafene or coumaphene or kumatox or panwarfarin or panwarfin or prothromadin or sofarin or tedicumar or tintorane or warfilone or warnerin).mp.	33943
18	16 or 17	33943
19	9 and 15 and 18	5298
20	((systematic* or literature) adj2 review*).mp.	201391
21	(metaanalys* or meta analys*).mp. or (meta analysis or review).pt.	2214039
22	20 or 21	2278673
23	19 and 22	1485
24	limit 23 to yr="2014 -Current"	342

Database: Embase 1974 to 2016 June 20
Dato: 21.06.2016
Antall treff: 234

1	cerebrovascular accident/ or brain infarction/ or cerebral artery disease/ or lacunar stroke/ or basal	235309
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	ganglion hemorrhage/ or carotid artery thrombosis/ or brain embolism/ or occlusive cerebrovascular disease/ or brain hemorrhage/	
2	(stroke or cerebrovasc* or brain vasc* or cerebral vasc* or cva* or apoplex*).tw.	321528
3	((brain* or cerebr* or cerebell* or vertebrobasilar or hemispher* or intracran* or intracerebral or infratentorial or supratentorial or MCA or anterior circulation or posterior circulation or basal ganglia or penumbra) adj5 (infarct* or thrombo* or emboli*)).tw.	60089
4	((brain* or cerebr* or cerebell* or intracerebral or intracran* or parenchymal or intraventricular or infratentorial or supratentorial or basal gangli*) adj5 (haemorrhage* or hemorrhage* or haematoma* or hematoma* or bleed*)).tw.	62656
5	transient ischemic attack/	29327
6	(TIA or TIAs or ((ischemic or ischaemic) adj (attack? or seizure?)) or (transient adj (brainstem or brain or "brain stem" or cerebral) adj (ischemia? or ischaemia?)) or (circulatory adj1 epilepsy)).tw.	26261
7	atrial fibrillation/ or heart atrium flutter/	24514
8	((atri* or auri* or supraventricular) adj3 (flutter* or fibrillation* or fibrillation*)).tw.	86782
9	or/1-8	549350
10	anticoagulant agent/ or antithrombin/ or dabigatran/ or dabigatran etexilate/	101784
11	((new or novel) adj2 oral anticoagulant*) or NOAC).tw.	3988
12	("direct thrombin" adj2 inhibit*).mp.	3264
13	(dabigatran or "bibr 1048" or bibr1048 or pradax or pradaxa or prazaxa or rendix or "bibr 953" or bibr953 or antistasin or betrixaban or "du 176b" or eribaxaban or fondaparinux or idraparinux or otamixaban or razaxaban or yagin or "ym 150" or ym150 or LY517717 or darexaban or SSR126517E).mp.	14684
14	("vitamin K antagonist*" or "vitamink antagonist*" or VKA or VKAs).tw.	5880
15	or/10-14	108821
16	Warfarin/	74097
17	(marevan or warfarin* or coumadin* or coumarin or jantoven or lawarin or waran or warfant or adoisine or aldocumar or athrombin* k or carfin or coumafene or coumaphene or kumatox or panwarfarin or panwarfin or prothromadin or sofarin or tedicumar or tintorane or warfilone or warnerin).mp.	98502
18	16 or 17	98502
19	9 and 15 and 18	10620
20	meta analysis/ or "systematic review"/ or ((systematic* adj2 review*) or metaanalys* or meta	243685



	analys*).tw.	
21	19 and 20	807
22	limit 21 to yr="2014 -Current"	234

Database: The Cochrane Library (Cochrane Database of Systematic Reviews: Issue 6 of 12, June 2016; Database of Abstracts of Reviews of Effect: Issue 2 of 4, April 2015; Health Technology Assessment Database: Issue 2 of 4, April 2016, NHS Economic Evaluation Database : Issue 2 of 4, April 2015)

Dato: 21.06.2016

Antall treff: 29 (4 Cochrane, 8 other, 2 tech.ass og 15 eco.eval.)

ID	Search	Hits
#1	[mh ^stroke]	5855
#2	[mh ^"cerebral infarction"]	542
#3	[mh ^"infarction, middle cerebral artery"]	106
#4	[mh ^"infarction, posterior cerebral artery"]	3
#5	[mh ^"stroke, lacunar"]	20
#6	[mh ^"basal ganglia hemorrhage"]	9
#7	[mh ^"carotid artery thrombosis"]	18
#8	[mh ^"intracranial embolism and thrombosis"]	84
#9	[mh ^"intracranial embolism"]	127
#10	[mh ^"intracranial thrombosis"]	35
#11	[mh ^"intracranial hemorrhages"]	190
#12	[mh ^"cerebral hemorrhage"]	735
#13	[mh ^"intracranial hemorrhage, hypertensive"]	17
#14	(stroke or cerebrovasc* or brain vas* or cerebral vas* or cva* or apoplex*):ti,ab,kw in Cochrane Reviews (Reviews and Protocols)	492
#15	(stroke or cerebrovasc* or brain vas* or cerebral vas* or cva* or apoplex*) in Other Reviews, Technology Assessments and Economic Evaluations	3300
#16	((brain* or cerebr* or cerebell* or vertebrobasilar or hemispher* or intracran* or intracerebral or infratentorial or supratentorial or MCA or anterior circulation or posterior circulation or basal ganglia or penumbra) near/5 (infarct* or thrombo* or emboli*)):ti,ab,kw in Cochrane Reviews (Reviews and Protocols)	84
#17	((brain* or cerebr* or cerebell* or vertebrobasilar or hemispher* or intracran* or intracerebral or infratentorial or supratentorial or MCA or anterior circulation or posterior circulation or basal ganglia or penumbra) near/5 (infarct* or thrombo* or emboli*)) in Other Reviews, Technology Assessments and Economic Evaluations	353
#18	((brain* or cerebr* or cerebell* or intracerebral or intracran* or parenchymal or intraventricular or infratentorial or supratentorial or basal gangli*) near/5 (haemorrhage* or hemorrhage* or haematoma* or	185



	hematoma* or bleed*)):ti,ab,kw in Cochrane Reviews (Reviews and Protocols)	
#19	((brain* or cerebr* or cerebell* or intracerebral or intracran* or parenchymal or intraventricular or infratentorial or supratentorial or basal gangli*) near/5 (haemorrhage* or hemorrhage* or haematoma* or hematoma* or bleed*)) in Other Reviews, Technology Assessments and Economic Evaluations	528
#20	[mh ^"Ischemic Attack, Transient"]	612
#21	(TIA or TIAs or ((ischemic or ischaemic) next (attack or attack? or seizure or seizure?)) or (transient next (brainstem or brain or "brain stem" or cerebral) next (ischemia or ischemia? or ischaemia or ischaemia?)) or (circulatory near/1 epilepsy)):ti,ab,kw in Cochrane Reviews (Reviews and Protocols)	36
#22	(TIA or TIAs or ((ischemic or ischaemic) next (attack or attack? or seizure or seizure?)) or (transient next (brainstem or brain or "brain stem" or cerebral) next (ischemia or ischemia? or ischaemia or ischaemia?)) or (circulatory near/1 epilepsy)) in Other Reviews, Technology Assessments and Economic Evaluations	287
#23	[mh ^"atrial fibrillation"]	3139
#24	[mh ^"atrial flutter"]	278
#25	((atri* or auri* or supraventricular) near/3 (flutter* or fibrillation* or fibrillation*)):ti,ab,kw in Cochrane Reviews (Reviews and Protocols)	39
#26	((atri* or auri* or supraventricular) near/3 (flutter* or fibrillation* or fibrillation*)) in Other Reviews, Technology Assessments and Economic Evaluations	760
#27	{or #1-#26}	12911
#28	[mh ^anticoagulants]	4122
#29	[mh ^antithrombins]	306
#30	[mh ^Dabigatran]	90
#31	MeSH descriptor: [Vitamin K] explode all trees and with qualifier(s): [Antagonists & inhibitors - AI]	129
#32	((new or novel) near/2 oral anticoagulant*) or NOAC):ti,ab,kw in Cochrane Reviews (Reviews and Protocols)	9
#33	((new or novel) near/2 oral anticoagulant*) or NOAC) in Other Reviews, Technology Assessments and Economic Evaluations	67
#34	("direct thrombin" near/2 inhibit*):ti,ab,kw in Cochrane Reviews (Reviews and Protocols)	6
#35	("direct thrombin" near/2 inhibit*) in Other Reviews, Technology Assessments and Economic Evaluations	27
#36	(dabigatran or "bibr 1048" or bibr1048 or pradax or pradaxa or prazaxa or rendix or "bibr 953" or bibr953 or antistasin or betrixaban or "du 176b" or eribaxaban or fondaparinux or idraparinux or otamixaban or razaxaban or yagin or "ym 150" or ym150 or LY517717 or darexaban or SSR126517E):ti,ab,kw in Cochrane Reviews (Reviews and Protocols)	15
#37	(dabigatran or "bibr 1048" or bibr1048 or pradax or pradaxa or prazaxa or rendix or "bibr 953" or bibr953 or antistasin or betrixaban or "du 176b" or	148



	eribaxaban or fondaparinux or idraparinux or otamixaban or razaxaban or yagin or "ym 150" or ym150 or LY517717 or darexaban or SSR126517E) in Other Reviews, Technology Assessments and Economic Evaluations	
#38	("vitamin K antagonist*" or "vitamink antagonist*" or VKA or VKAs):ti,ab,kw in Cochrane Reviews (Reviews and Protocols)	21
#39	("vitamin K antagonist*" or "vitamink antagonist*" or VKA or VKAs) in Other Reviews, Technology Assessments and Economic Evaluations	93
#40	{or #28-#39}	4428
#41	[mh ^Warfarin]	1355
#42	(marevan or warfarin* or coumadin* or coumarin or jantoven or lawarin or waran or warfant or adoisine or aldocumar or athrombin* k or carfin or coumafene or coumaphene or kumatox or panwarfarin or panwarfin or prothromadin or sofarin or tedicumar or tintorane or warfilone or warnerin):ti,ab,kw in Cochrane Reviews (Reviews and Protocols)	38
#43	(marevan or warfarin* or coumadin* or coumarin or jantoven or lawarin or waran or warfant or adoisine or aldocumar or athrombin* k or carfin or coumafene or coumaphene or kumatox or panwarfarin or panwarfin or prothromadin or sofarin or tedicumar or tintorane or warfilone or warnerin) in Other Reviews, Technology Assessments and Economic Evaluations	461
#44	#41 or #42 or #43	1603
#45	#27 and #41 and #44	483

Database: Cinahl
Dato: 21.06.2016
Antall treff: 44

S26	S19 AND S24 Limiters - Published Date: 20140101-20161231	44
S25	S19 AND S24	218
S24	S20 OR S21 OR S22 OR S23	187,247
S23	TI (((systematic* or literature) N2 review*) OR AB (((systematic* or literature) N2 review*)	62,032
S22	TI ((metaanalys* or meta analys*)) OR AB ((metaanalys* or meta analys*))	18,249
S21	PT systematic review OR PT review OR PT meta analysis	147,535
S20	(MH "Systematic Review") OR (MH "Literature Review") OR (MH "Meta Analysis")	40,467
S19	S9 AND S15 AND S18	1,804
S18	S16 OR S17	5,286
S17	TI ((marevan or warfarin* or coumadin* or coumarin or jantoven or lawarin or waran or warfant or adoisine or aldocumar or athrombin* k or carfin or coumafene or coumaphene or kumatox or panwarfarin or panwarfin or prothromadin or sofarin or tedicumar or tintorane or warfilone or warnerin)) OR AB ((marevan or warfarin* or coumadin* or coumarin or jantoven or lawarin or	3,517



	waran or warfant or adoisine or aldocumar or athrombin* k or carfin or coumafene or coumaphene or kumatox or panwarfarin or panwarfin or prothromadin or sofarin or tedicumar or tintorane or warfilone or warnerin))	
S16	(MH "Warfarin")	4,039
S15	S10 OR S11 OR S12 OR S13 OR S14	15,208
S14	TI (("vitamin K antagonist*" or "vitamink antagonist*" or VKA or VKAs)) OR AB (("vitamin K antagonist*" or "vitamink antagonist*" or VKA or VKAs))	364
S13	TI ((dabigatran or "bibr 1048" or bibr1048 or pradax or pradaxa or prazaxa or rendix or "bibr 953" or bibr953 or antistasin or betrixaban or "du 176b" or eribaxaban or fondaparinux or idraparinux or otamixaban or razaxaban or yagin or "ym 150" or ym150 or LY517717 or darexaban or SSR126517E))	543
S12	TI (("direct thrombin" N1 inhibit*)	78
S11	TI ((((new or novel) N1 oral anticoagulant*) or NOAC)) OR AB ((((new or novel) N1 oral anticoagulant*) or NOAC))	342
S10	(MH "Anticoagulants+") OR (MH "Blood Coagulation/DE") OR (MH "Blood Coagulation Factors/Al") OR (MH "Vitamin K/Al") OR (MH "Dabigatran Etxilate")	14,901
S9	S1 OR S2 OR S3 OR S4 OR S5 OR S6 OR S7 OR S8	71,542
S8	TI (((atri* or auri* or supraventricular) N2 (flutter* or fibrillation* or fibrillation*))) OR AB (((atri* or auri* or supraventricular) N2 (flutter* or fibrillation* or fibrillation*)))	10,410
S7	(MH "Atrial Fibrillation")	10,096
S6	TI ((TIA or TIAs or ((ischemic or ischaemic) W0 (attack# or seizure#)) or (transient W0 (brainstem or brain or "brain stem" or cerebral) W0 (ischemia# or ischaemia#)) or (circulatory N0 epilepsy))) OR AB ((TIA or TIAs or ((ischemic or ischaemic) W0 (attack# or seizure#)) or (transient W0 (brainstem or brain or "brain stem" or cerebral) W0 (ischemia# or ischaemia#)) or (circulatory N0 epilepsy)))	2,705
S5	(MH "Cerebral Ischemia, Transient")	2,573
S4	TI (((brain* or cerebr* or cerebell* or intracerebral or intracran* or parenchymal or intraventricular or infratentorial or supratentorial or basal gangli*) N4 (haemorrhage* or hemorrhage* or haematoma* or hematoma* or bleed*))) OR AB (((brain* or cerebr* or cerebell* or intracerebral or intracran* or parenchymal or intraventricular or infratentorial or supratentorial or basal gangli*) N4 (haemorrhage* or hemorrhage* or haematoma* or hematoma* or bleed*)))	5,229
S3	TI (((brain* or cerebr* or cerebell* or vertebrobasilar or hemispher* or intracran* or intracerebral or infratentorial or supratentorial or MCA or anterior circulation or posterior circulation or basal ganglia or penumbra) N4 (infarct* or thrombo* or emboli*))) OR AB (((brain* or cerebr* or cerebell* or vertebrobasilar or hemispher* or intracran* or intracerebral or infratentorial or supratentorial or MCA or anterior circulation or posterior circulation or basal ganglia or penumbra) N4 (infarct* or thrombo* or emboli*)))	4,208
S2	TI ((stroke or cerebrovasc* or brain vasc* or cerebral vasc* or cva* or apoplex*)) OR AB ((stroke or cerebrovasc* or brain vasc* or cerebral vasc* or	45,408



	cva* or apoplex*)	
S1	(MH "Stroke") OR (MH "Stroke, Lacunar") OR (MH "Basal Ganglia Hemorrhage") OR (MH "Carotid Artery Thrombosis") OR (MH "Intracranial Embolism") OR (MH "Intracranial Embolism and Thrombosis") OR (MH "Intracranial Thrombosis") OR (MH "Cerebral Arterial Diseases") OR (MH "Intracranial Hemorrhage") OR (MH "Cerebral Hemorrhage")	40,686

Database: Epistemonikos
Dato: 21.06.2016
Antall treff: 33 uten interne dubletter
 Title: 6 (2 structured summary og 4 SR)
 Abstract: (1 broad synthesis, 1 structured summary og 29 SR)
Kommentar: Avgrenset på årstall 2014-2016

(stroke or cerebrovasc* or brain vas* or cerebral vas* or cva* or apoplex* OR ((brain* or cerebr* or cerebell* or vertebrobasilar or hemispher* or intracran* or intracerebral or infratentorial or supratentorial or MCA or anterior circulation or posterior circulation or basal ganglia or penumbra) AND (infarct* or thrombo* or emboli*)) OR ((brain* or cerebr* or cerebell* or intracerebral or intracran* or parenchymal or intraventricular or infratentorial or supratentorial or basal gangli*) AND (haemorrhage* or hemorrhage* or haematoma* or hematoma* or bleed*)) OR TIA or TIAs or "ischemic attack" or "ischemic attacks" or "ischemic seizure" or "ischemic seizures" OR "ischaemic attack" or "ischaemic attacks" or "ischaemic seizure" or "ischaemic seizures" OR "transient brainstem ischemia" or "transient brain ischemia" or "transient brain stem ischemia" or "transient cerebral ischemia" OR "transient brainstem ischemias" or "transient brain ischemias" or "transient brain stem ischemias" or "transient cerebral ischemias" OR "transient brainstem ischaemia" or "transient brain ischaemia" or "transient brain stem ischaemia" or "transient cerebral ischaemia" OR "transient brainstem ischaemias" or "transient brain ischaemias" or "transient brain stem ischaemias" or "transient cerebral ischaemias" OR "circulatory epilepsy" OR ((atri* or auri* or supraventricular) AND (flutter* or fibrillation* or fibrillation*)) AND ("new oral anticoagulant" OR "new oral anticoagulants" OR "novel oral anticoagulant" OR "novel oral anticoagulants" OR ("direct thrombin" AND inhibit*) or dabigatran or "bibr 1048" or bibr1048 or pradax or pradaxa or prazaxa or rendix or "bibr 953" or bibr953 or antistasin or betrixaban or "du 176b" or eribaxaban or fondaparinux or idraparinux or otamixaban or razaxaban or yagin or "ym 150" or ym150 or LY517717 or darexaban or SSR126517E or "vitamin K antagonist*" or "vitamink antagonist*" or VKA or VKAs) AND (marevan or warfarin* or coumadin* or coumarin or jantoven or lawarin or waran or warfant or adoisine or aldocumar or athrombin or athrombink or carfin or coumafene or coumaphene or kumatox or panwarfarin or panwarfin or prothromadin or sofarin or tedicumar or tintorane or warfilone or warnerin)