**DOBBEL PLATEHEMMING VS ASPIRIN ALENE TIL BEHANDLING AV TIA/AKUTT HJERNEINFARKT**

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| **Kontaktperson:** | Liv Hege Kateraas/Helsedir |
| **Søk:** | Astrid Nøstberg |
| **Fagfelle:** | Marita Heintz |
| **Avgrensninger:** | Systematiske oversikter, juli 2018- |
| **Dublettsjekk i EndNote:** | Før dublettkontroll: 851  Etter dublettkontroll: 592 |

### Pico-skjema:

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| **Hva er spørsmålet som litteratursøket er ment å besvare?** | **Spørsmålet i PICO format** | | | | **Kjente relevante studier** |
| **Population**  **(pasient)** | **Intervensjon (tiltak)** | **Comparison**  **(sammenligning)** | **Outcome**  **(utfall)** |
| Har pasienter med akutt TIA/hjerneinfarkt effekt av klopidogrel i tillegg til ASA som akutt antitrombotisk behandling i inntil 3 måneder? | Pasienter med TIA og (minor)akutt hjerneinfarkt | single antiplatelet (aspirin alene) | Dobbel platehemming | *Ikke søkt på* |  |

**Database: Ovid MEDLINE(R) and Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Daily and Versions(R) <1946 to April 23, 2020>  
Dato:** 24.04.2020  
**Antall treff:** 249

|  |  |  |
| --- | --- | --- |
| **#** | **Searches** | **Results** |
| 1 | Stroke/ or Brain Infarction/ or Brain Stem Infarctions/ or Cerebral infarction/ or Brain Ischemia/ or Hypoxia-Ischemia, Brain/ or Carotid Artery, Internal, Dissection/ or Carotid Artery Thrombosis/ or "Intracranial Embolism and Thrombosis"/ or Intracranial Embolism/ or Intracranial Thrombosis/ or Vertebral Artery Dissection/ | 172498 |
| 2 | (stroke or cerebrovasc\* or "cerebral vasc\*").tw,kf. | 287411 |
| 3 | ((brain\* or cerebr\* or cerebell\* or vertebrobasilar or "vertebro basilar" or hemispher\* or intracran\* or intracerebral or "anterior circulation" or "posterior circulation") adj5 (isch?emi\* or infarct\* or thrombo\* or emboli\*)).tw,kf. | 104375 |
| 4 | ((hypoxic adj1 isch?emic adj2 encephalopath\*) or HIE).tw,kf. | 4559 |
| 5 | Ischemic Attack, Transient/ | 20213 |
| 6 | (TIA or TIAs or ((ischemic or ischaemic) adj attack?) or (transient adj (brainstem or brain or cerebral) adj (ischemia? or ischaemia?)) or (transient adj "brain stem" adj (ischemia? or ischaemia?))).tw,kf. | 20742 |
| 7 | or/1-6 | 394882 |
| 8 | Aspirin/ or Platelet Aggregation Inhibitors/ | 69984 |
| 9 | (acetylsalicyl or acetylsalicylate or acetysal or acidulatum or "acidum acetylosalicylicum" or "acidum acetylsalicylicum" or albyle or "albyl e" or "alka seltzer" or aspirin or aspirina).mp. | 66830 |
| 10 | (("ortho acetoxybenzoic" or "ortho acetyloxybenzoic" or acetylsalicylic or acetylsalycic or acetylsalycylic or acetosalicylic or "2 acetoxybenzoic" or "acetyl salicylic" or "acetylic salicylic" or acetylosalicylic or acetylsalicyclic) adj1 acid).mp. | 10660 |
| 11 | (((antiplatelet or "anti platelet") adj (agent? or drug?)) or (platelet adj (antagonist? or antiaggregant? or "anti aggregant?")) or (platelet adj2 inhibitor?)).mp. | 43731 |
| 12 | "thrombocyte aggregation inhibit\*".mp. | 89 |
| 13 | single agent therap\*.mp. | 1236 |
| 14 | or/8-13 | 99725 |
| 15 | Clopidogrel/ | 8819 |
| 16 | (clopidogrel\* or Iscover or Plavix or "Platelet Aggregation Inhibitor?" or "Purinergic P2Y Receptor Antagonist?" or clopilet or grepid or zopya or zylagren or zyllt or duocover or duoplavin or "PCR 4099" or PCR4099).mp. | 41909 |
| 17 | 15 or 16 | 41909 |
| 18 | dual antiplatelet therap\*.mp. | 4401 |
| 19 | (14 and 17) or 18 | 40649 |
| 20 | 7 and (14 or 19) | 14138 |
| 21 | limit 20 to "reviews (maximizes specificity)" | 820 |
| 22 | Meta-Analysis/ or ((systematic\* adj2 review\*) or metaanal\* or "meta anal\*" or (review and ((structured or database\* or systematic\*) adj2 search\*)) or "integrative review\*" or (evidence adj2 review\*)).tw,kf,bt. | 329747 |
| 23 | 20 and 22 | 1026 |
| 24 | 21 or 23 | 1121 |
| 25 | (2019\* or 2020\*).ed,ep,yr,dp,dt. | 2540758 |
| 26 | (201807\* or 201808\* or 201809\* or 201810\* or 201811\* or 201812\*).ep,ed,dt. | 1099405 |
| 27 | 24 and (25 or 26) | 249 |

**Database: Embase 1974 to 2020 April 23  
Dato**: 24.04.2020  
**Antall treff**: 439

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| **#** | **Searches** | **Results** |
| 1 | cerebrovascular accident/ or brain infarction/ or brain stem infarction/ or brain ischemia/ or hypoxic ischemic encephalopathy/ or carotid artery injury/ or carotid artery thrombosis/ or brain embolism/ or occlusive cerebrovascular disease/ or artery dissection/ | 378303 |
| 2 | (stroke or cerebrovasc\* or "cerebral vasc\*").tw,kw. | 451455 |
| 3 | ((brain\* or cerebr\* or cerebell\* or vertebrobasilar or "vertebro basilar" or hemispher\* or intracran\* or intracerebral or "anterior circulation" or "posterior circulation") adj5 (isch?emi\* or infarct\* or thrombo\* or emboli\*)).tw,kw. | 149409 |
| 4 | ((hypoxic adj1 isch?emic adj2 encephalopath\*) or HIE).tw,kw. | 7165 |
| 5 | transient ischemic attack/ | 37330 |
| 6 | (TIA or TIAs or ((ischemic or ischaemic) adj attack?) or (transient adj (brainstem or brain or cerebral) adj (ischemia? or ischaemia?)) or (transient adj "brain stem" adj (ischemia? or ischaemia?))).tw,kw. | 35972 |
| 7 | or/1-6 | 641897 |
| 8 | acetylsalicylic acid/ or antithrombocytic agent/ | 234017 |
| 9 | (acetylsalicyl or acetylsalicylate or acetysal or acidulatum or "acidum acetylosalicylicum" or "acidum acetylsalicylicum" or albyle or "albyl e" or "alka seltzer" or aspirin or aspirina).mp. | 118248 |
| 10 | (("ortho acetoxybenzoic" or "ortho acetyloxybenzoic" or acetylsalicylic or acetylsalycic or acetylsalycylic or acetosalicylic or "2 acetoxybenzoic" or "acetyl salicylic" or "acetylic salicylic" or acetylosalicylic or acetylsalicyclic) adj1 acid).mp. | 210915 |
| 11 | (((antiplatelet or "anti platelet") adj (agent? or drug?)) or (platelet adj (antagonist? or antiaggregant? or "anti aggregant?")) or (platelet adj2 inhibitor?)).mp. | 23207 |
| 12 | "thrombocyte aggregation inhibit\*".mp. | 6881 |
| 13 | single agent therap\*.mp. | 1952 |
| 14 | or/8-13 | 256907 |
| 15 | clopidogrel/ | 59198 |
| 16 | (clopidogrel\* or Iscover or Plavix or "Platelet Aggregation Inhibitor?" or "Purinergic P2Y Receptor Antagonist?" or clopilet or grepid or zopya or zylagren or zyllt or duocover or duoplavin or "PCR 4099" or PCR4099).mp. | 63133 |
| 17 | 15 or 16 | 63133 |
| 18 | "acetylsalicylic acid plus clopidogrel"/ | 892 |
| 19 | dual antiplatelet therap\*.mp. | 11515 |
| 20 | 18 or 19 | 12164 |
| 21 | (14 and 17) or 20 | 55995 |
| 22 | 7 and (14 or 21) | 45144 |
| 23 | limit 22 to "reviews (maximizes specificity)" | 1533 |
| 24 | Meta-Analysis/ or "systematic review"/ or ((systematic\* adj2 review\*) or metaanal\* or "meta anal\*" or (review and ((structured or database\* or systematic\*) adj2 search\*)) or "integrative review\*" or (evidence adj2 review\*)).tw,kw. | 478388 |
| 25 | 22 and 24 | 2976 |
| 26 | 23 or 25 | 2976 |
| 27 | (2019\* or 2020\*).yr,dd,dp,dc. | 2729572 |
| 28 | (201807\* or 201808\* or 201809\* or 201810\* or 201811\* or 201812\*).dd,dc. | 798004 |
| 29 | 26 and (27 or 28) | 467 |
| 30 | limit 29 to (conference abstracts or embase) | 439 |

**Database:** **Cochrane Database of Systematic Reviews: Issue 4 of 12, April 2020   
Dato:** 24.04.2020  
**Antall treff:** 5

|  |  |  |
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| **ID** | **Search** | **Hits** |
| #1 | [mh ^Stroke] | 8462 |
| #2 | [mh ^"Brain Infarction"] | 97 |
| #3 | [mh ^"Brain Stem Infarctions"] | 10 |
| #4 | [mh ^"Cerebral infarction"] | 918 |
| #5 | [mh ^"Brain Ischemia"] | 1583 |
| #6 | [mh ^"Hypoxia-Ischemia, Brain"] | 206 |
| #7 | [mh ^"Carotid Artery, Internal, Dissection"] | 5 |
| #8 | [mh ^"Carotid Artery Thrombosis"] | 18 |
| #9 | [mh ^"Intracranial Embolism and Thrombosis"] | 86 |
| #10 | [mh ^"Intracranial Embolism"] | 159 |
| #11 | [mh ^"Intracranial Thrombosis"] | 35 |
| #12 | [mh ^"Vertebral Artery Dissection"] | 6 |
| #13 | (stroke or cerebrovasc\* or (cerebral NEXT vasc\*)):ti,ab | 52154 |
| #14 | ((brain\* or cerebr\* or cerebell\* or vertebrobasilar or "vertebro basilar" or hemispher\* or intracran\* or intracerebral or "anterior circulation" or "posterior circulation") NEAR/5 (isch\*emi\* or infarct\* or thrombo\* or emboli\*)):ti,ab | 8251 |
| #15 | (((hypoxic NEAR/1 isch\*emic) NEAR/2 encephalopath\*) or HIE):ti,ab | 639 |
| #16 | [mh ^"Ischemic Attack, Transient"] | 734 |
| #17 | (TIA or TIAs or ((ischemic or ischaemic) NEXT attack?) or (transient NEXT (brainstem or brain or "brain stem" or cerebral) NEXT (ischemia? or ischaemia?))):ti,ab | 3235 |
| #18 | {or #1-#17} | 57611 |
| #19 | [mh ^Aspirin] | 5770 |
| #20 | [mh ^"Platelet Aggregation Inhibitors"] | 3782 |
| #21 | (acetylsalicyl or acetylsalicylate or acetysal or acidulatum or "acidum acetylosalicylicum" or "acidum acetylsalicylicum" or albyle or "albyl e" or "alka seltzer" or aspirin or aspirina):ti,ab | 12053 |
| #22 | (("ortho acetoxybenzoic" or "ortho acetyloxybenzoic" or acetylsalicylic or acetylsalycic or acetylsalycylic or acetosalicylic or "2 acetoxybenzoic" or "acetyl salicylic" or "acetylic salicylic" or acetylosalicylic or acetylsalicyclic) NEAR/1 acid):ti,ab | 1996 |
| #23 | (((antiplatelet or "anti platelet") NEXT (agent? or drug?)) or (platelet NEXT (antagonist? or antiaggregant? or (anti NEXT aggregant?))) or (platelet NEAR/2 inhibitor?)):ti,ab | 2206 |
| #24 | ("thrombocyte aggregation" NEXT inhibit\*):ti,ab | 12 |
| #25 | ("single agent" NEXT therap\*):ti,ab | 271 |
| #26 | {or #19-#25} | 17544 |
| #27 | [mh ^Clopidogrel] | 1964 |
| #28 | (clopidogrel\* or Iscover or Plavix or ("platelet aggregation" NEXT inhibitor?) or ("Purinergic P2Y Receptor" NEXT antagonist?) or clopilet or grepid or zopya or zylagren or zyllt or duocover or duoplavin or "PCR 4099" or PCR4099):ti,ab | 4617 |
| #29 | #27 or #28 | 4828 |
| #30 | ("dual antiplatelet" NEXT therap\*):ti,ab | 1371 |
| #31 | (#26 and #29) or #30 | 4210 |
| #32 | #18 and (#26 or #31) | 4018 |
| #33 | #32 in Cochrane Reviews, Cochrane Protocols | 52 |
| #34 | #33 with Cochrane Library publication date Between Jan 2018 and Dec 2020 | 5 |

**Database:** **Cinahl (EBSCO)**

**Dato:** 24.04.2020

**Antall treff:** 16

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| **#** | **Query** | **Results** |
| S28 | S23 OR S25  Limiters - Published Date: 20180101-20201231; Exclude MEDLINE records | 16 |
| S27 | S23 OR S25  Limiters - Exclude MEDLINE records | 134 |
| S26 | S23 OR S25 | 477 |
| S25 | S22 AND S24 | 476 |
| S24 | (MH "Meta Analysis") OR (MH "Systematic Review") or TI ((systematic\* N1 review\*) or metaanal\* or "meta anal\*" or (review and ((structured or database\* or systematic\*) N1 search\*)) or "integrative review\*" or (evidence N1 review\*)) OR AB ((systematic\* N1 review\*) or metaanal\* or "meta anal\*" or (review and ((structured or database\* or systematic\*) N1 search\*)) or "integrative review\*" or (evidence N1 review\*)) | 191,862 |
| S23 | S20 OR S21  Limiters - Clinical Queries: Review - High Specificity | 284 |
| S22 | S20 OR S21 | 5,356 |
| S21 | S7 AND S19 | 1,339 |
| S20 | S7 AND S13 | 5,275 |
| S19 | S17 OR S18 | 4,679 |
| S18 | S13 AND S16 | 3,706 |
| S17 | TI ("dual antiplatelet therap\*") OR AB ("dual antiplatelet therap\*") | 1,457 |
| S16 | S14 OR S15 | 5,119 |
| S15 | TI ( (clopidogrel\* or Iscover or Plavix or "Platelet Aggregation Inhibitor#" or "Purinergic P2Y Receptor Antagonist#" or clopilet or grepid or zopya or zylagren or zyllt or duocover or duoplavin or "PCR 4099" or PCR4099) ) OR AB ( (clopidogrel\* or Iscover or Plavix or "Platelet Aggregation Inhibitor#" or "Purinergic P2Y Receptor Antagonist#" or clopilet or grepid or zopya or zylagren or zyllt or duocover or duoplavin or "PCR 4099" or PCR4099) ) | 4,191 |
| S14 | (MH "Clopidogrel Bisulfate") | 2,855 |
| S13 | S8 OR S9 OR S10 OR S11 OR S12 | 24,341 |
| S12 | TI ("single agent therap\*") OR AB ("single agent therap\*") | 196 |
| S11 | TI (((antiplatelet or "anti platelet") W0 (agent# or drug#)) or (platelet W0 (antagonist# or antiaggregant# or "anti aggregant#")) or (platelet N1 inhibitor#) or "thrombocyte aggregation inhibit\*") OR AB (((antiplatelet or "anti platelet") W0 (agent# or drug#)) or (platelet W0 (antagonist# or antiaggregant# or "anti aggregant#")) or (platelet N1 inhibitor#) or "thrombocyte aggregation inhibit\*") | 2,514 |
| S10 | TI ( (("ortho acetoxybenzoic" or "ortho acetyloxybenzoic" or acetylsalicylic or acetylsalycic or acetylsalycylic or acetosalicylic or "2 acetoxybenzoic" or "acetyl salicylic" or "acetylic salicylic" or acetylosalicylic or acetylsalicyclic) N0 acid) ) OR AB ( (("ortho acetoxybenzoic" or "ortho acetyloxybenzoic" or acetylsalicylic or acetylsalycic or acetylsalycylic or acetosalicylic or "2 acetoxybenzoic" or "acetyl salicylic" or "acetylic salicylic" or acetylosalicylic or acetylsalicyclic) N0 acid) ) | 990 |
| S9 | TI ( (acetylsalicyl or acetylsalicylate or acetysal or acidulatum or "acidum acetylosalicylicum" or "acidum acetylsalicylicum" or albyle or "albyl e" or "alka seltzer" or aspirin or aspirina) ) OR AB ( (acetylsalicyl or acetylsalicylate or acetysal or acidulatum or "acidum acetylosalicylicum" or "acidum acetylsalicylicum" or albyle or "albyl e" or "alka seltzer" or aspirin or aspirina) ) | Display |
| S8 | (MH "Aspirin") OR (MH "Platelet Aggregation Inhibitors") | Display |
| S7 | S1 OR S2 OR S3 OR S4 OR S5 OR S6 | Display |
| S6 | TI ( (TIA or TIAs or ((ischemic or ischaemic) W0 attack#) or (transient W0 (brainstem or brain or "brain stem" or cerebral) W0 (ischemia# or ischaemia#))) ) OR AB ( (TIA or TIAs or ((ischemic or ischaemic) W0 attack#) or (transient W0 (brainstem or brain or "brain stem" or cerebral) W0 (ischemia# or ischaemia#))) ) | Display |
| S5 | (MH "Cerebral Ischemia, Transient") | Display |
| S4 | TI (((hypoxic N0 isch#emic) N1 encephalopath\*) or HIE) OR AB (((hypoxic N0 isch#emic) N1 encephalopath\*) or HIE) | 2,080 |
| S3 | TI ( ((brain\* or cerebr\* or cerebell\* or vertebrobasilar or "vertebro basilar" or hemispher\* or intracran\* or intracerebral or "anterior circulation" or "posterior circulation") N4 (isch#emi\* or infarct\* or thrombo\* or emboli\*)) ) OR AB ( ((brain\* or cerebr\* or cerebell\* or vertebrobasilar or "vertebro basilar" or hemispher\* or intracran\* or intracerebral or "anterior circulation" or "posterior circulation") N4 (isch#emi\* or infarct\* or thrombo\* or emboli\*)) ) | Display |
| S2 | TI ( (stroke or cerebrovasc\* or "cerebral vasc\*") ) OR AB ( (stroke or cerebrovasc\* or "cerebral vasc\*") ) | Display |
| S1 | (MH "Stroke") OR (MH "Cerebral Ischemia") OR (MH "Hypoxia-Ischemia, Brain") OR (MH "Carotid Artery Dissections") OR (MH "Carotid Artery Thrombosis") OR (MH "Intracranial Embolism and Thrombosis") OR (MH "Intracranial Embolism") OR (MH "Intracranial Thrombosis") OR (MH "Vertebral Artery Dissections") OR (MH "Cerebral Arterial Diseases") OR (MH "Arterial Dissections") | Display |

**Database:** **Epistemonikos**

**Dato:** 24.04.2020

**Antall treff:** 142 (Broad synthesis: 1; Systematic review: 141  
**Kommentar:** Begrensninger i databasens søkemuligheter gjør det nødvendig med et forenklet søk.

**title/abstract**: (stroke OR cerebrovasc\* OR "cerebral vascular" OR TIA or TIAs or "ischemic attack" or "ischaemic attack" OR ((brain\* OR cerebr\* OR cerebell\* OR vertebrobasilar OR "vertebro basilar" OR hemispher\* OR intracran\* OR intracerebral OR "anterior circulation" OR "posterior circulation") AND (ischemia OR ischaemia OR infarct\* OR thrombo\* OR emboli\*)) OR "hypoxic ischemic" OR "hypoxic ischaemic" OR "hypoxic ischemic" OR "hypoxic ischaemic" OR HIE) AND ((aspirin OR acetylsalicyl\* OR "single agent therapy" OR "single agent therapies") OR (((aspirin OR acetylsalicyl\* OR "single agent therapy" OR "single agent therapies") AND clopidogrel\*) OR ("dual antiplatelet therapy" OR "dual antiplatelet therapies"))) **2018-2020**