Dokumentasjon av litteratursøk for mini-metodevurdering, **arbeidsdokument.**

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| **Tittel/tema på mini-metodevurderingen:** | Delirium tremens |
| **Spørsmål fra PICO-skjema:** | Delirium tremens - forebygging og behandling i sykehus |
| **Kontaktdetaljer for gruppen:** | Navn: Rune Tore Strøm  E-post:  Tlf: |
| **Bibliotekar som utførte søket:** | Navn: Toril M. Hestnes  Bibliotek lokasjon: Medisinsk bibliotek Ullevål  E-post: t.m.hestnes@ub.uio.no  Tlf: 22 11 75 91 |
| **Dato for søk:** | 15.04.2019 |

**11. Retningslinjer**

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| **Database/ressurs:** | [Nasjonale retningslinjer fra Helsedirektoratet](https://helsedirektoratet.no/retningslinjer) |
| **Søkehistorie:** | Delirium, delir, tremens |
| **Antall treff:** | Nasjonal faglig retningslinje for behandling og rehabilitering ved hjerneslag. 21.12.2017  <https://helsedirektoratet.no/retningslinjer/hjerneslag>     * Komplikasjoner – Forebygging og behandling ved delir hos hjerneslagpasienter   <https://helsedirektoratet.no/retningslinjer/hjerneslag/seksjon?Tittel=komplikasjoner-forebygging-og-20014501#forebygging-og-behandling-ved-delir-hos-hjerneslagpasienteranbefaling>  Nasjonal faglig retningslinje for behandling og rehabilitering av rusmiddelproblemer og avhengighet. 24.01.2017  <https://helsedirektoratet.no/retningslinjer/behandling-og-rehabilitering-av-rusmiddelproblemer-og-avhengighet>  Nasjonal faglig veileder for bruk av opioider – ved langvarige ikke-kreftrelaterte smerter. 14.09.2016  <https://helsedirektoratet.no/retningslinjer/opioider>  Nasjonal faglig retningslinje for avrusning fra rusmidler og vanedannende legemidler. 13.05.2016  <https://helsedirektoratet.no/retningslinjer/avrusning-fra-rusmidler-og-vanedannende-legemidler>   * Anbefaling: Delirium tremens - Forebygging og behandling:   <https://helsedirektoratet.no/retningslinjer/avrusning-fra-rusmidler-og-vanedannende-legemidler/seksjon?Tittel=avrusning-fra-alkohol-10220#delirium-tremens---forebygging-og-behandlinganbefaling>  Nasjonal faglig veileder vanedannende legemidler – rekvirering og forsvarlighet. 14.12.2015  <https://helsedirektoratet.no/retningslinjer/vanedannende-legemidler> |
| **Kommentarer:** |  |

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| **Database/ressurs:** | [National Institute for Health and Care Excellence (NICE)](https://www.nice.org.uk/guidance) |
| **Søkehistorie:** | NICE guidance > Conditions and diseases > Mental health and behavioral conditions |
| **Antall treff:** | Delirium. Nice Pathway, 2019  <https://pathways.nice.org.uk/pathways/delirium>  Delirium: prevention, diagnosis and management. Clinical guideline [CG103], 2019  <https://www.nice.org.uk/guidance/cg103>  Delirium in adults. Quality standard [QS63], 2014  <https://www.nice.org.uk/guidance/qs63> |
| **Kommentarer:** |  |

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| **Database/kilde** | [Socialstyrelsen, Nationella riktlinjer (SE)](http://www.socialstyrelsen.se/riktlinjer/nationellariktlinjer) |
| **Dato for søk** | 15.04.2019 |
| **Søkehistorie eller fremgangsmåte** | Sett gjennom liste: Nationella riktlinjer: Missbruk och beroande |
| **Antall treff:** | Nationella riktlinjer för vård och stöd vid missbruk och beroende, 2019  <http://www.socialstyrelsen.se/nationellariktlinjermissbrukochberoende>  Nationella riktlinjer för vård och omsorg vid demenssjukdom, 2017  <http://www.socialstyrelsen.se/nationellariktlinjerforvardochomsorgviddemenssjukdom> |
| **Kommentarer** |  |

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| **Database/kilde** | [Sundhedsstyrelsen, Nationale kliniske retningslinjer](http://www.sst.dk/Behandlingsforloeb%20og%20rettigheder/Kliniske%20retningslinjer.aspx) (DK) |
| **Dato for søk** | 15.04.2019 |
| **Søkehistorie eller fremgangsmåte** | Sett gjennom emner: Akutområdet, alkohol, demens, psykiske lidelser, ældre |
| **Antall treff:** | NKR: Forebyggelse og behandling af adfærdsmæssige og psykiske symptomer hos personer med demens, 2019  <https://www.sst.dk/da/udgivelser/2019/nkr-forebyggelse-og-behandling-af-adfaerdsforstyrrelser-hos-personer-med-demens>  NKR: Behandling af alkoholafhængighed, 2018  <https://www.sst.dk/da/udgivelser/2018/nkr-behandling-af-alkoholafhaengighed>  NKR: Diagnostik af mild cognitive impairment og demens, 2018  <https://www.sst.dk/da/udgivelser/2018/nkr-diagnostik-af-mild-cognitive-impairment-og-demens>  NKR: Demens og medicin, 2018  <https://www.sst.dk/da/udgivelser/2018/nkr-demens-og-medicinhaandtering>  NKR: Udredning og behandling af personer med samtidig alkoholafhængighed og psykisk lidelse, 2016  <https://www.sst.dk/da/udgivelser/2016/nkr-alkoholafhaengighed-og-psykisk-lidelse>  NKR: Udredning og behandling af demens, 2013  <https://www.sst.dk/da/udgivelser/2013/nkr-demens>  NKR: Forebyggelse og behandling af delir, 2016  <https://www.sst.dk/da/udgivelser/2016/nkr-organisk-delirium> |
| **Kommentarer** |  |

**12. Systematisk oppsummert forskning**

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| **Database/ressurs:** | [The Cochrane Library](http://onlinelibrary.wiley.com/cochranelibrary/search/) (Cochrane Reviews) |
| **Søkehistorie:** | #1 MeSH descriptor: [Alcohol Withdrawal Delirium] explode all trees 58  #2 (alcohol\* near (delir\* or hallucin\*)):ti,ab,kw (Word variations have been searched) 118  #3 ("delirium tremens"):ti,ab,kw (Word variations have been searched) 63  #4 (alcohol\* withdrawal syndrome):ti,ab,kw (Word variations have been searched) 910  #5 #1 or #2 or #3 or #4 with Cochrane Library publication date Between Jan 2009 and May 2019, in Cochrane Reviews, Clinical Answers 14 |
| **Antall treff:** | Cochrane Reviews (13)  1. Herling SF, Greve IE, Vasilevskis EE, Egerod I, Bekker Mortensen C, Møller AM, et al. **Interventions for preventing intensive care unit delirium in adults**. Cochrane Database Syst Rev. 2018 (11). PubMed PMID: CD009783.  <https://www.ncbi.nlm.nih.gov/pubmed/?term=CD009783>  2. Egholm JWM, Pedersen B, Møller AM, Adami J, Juhl CB, Tønnesen H. **Perioperative alcohol cessation intervention for postoperative complications**. Cochrane Database Syst Rev. 2018 (11). PubMed PMID: CD008343.  <https://www.ncbi.nlm.nih.gov/pubmed/30408162>  3. Baandrup L, Ebdrup BH, Rasmussen J, Lindschou J, Gluud C, Glenthøj BY. **Pharmacological interventions for benzodiazepine discontinuation in chronic benzodiazepine users**. Cochrane Database Syst Rev. 2018 (3). PubMed PMID: CD011481.  <https://www.ncbi.nlm.nih.gov/pubmed/?term=CD011481>  4. Liu J, Wang LN. **Baclofen for alcohol withdrawal**. Cochrane Database Syst Rev. 2017 (8). PubMed PMID: CD008502.  <https://www.ncbi.nlm.nih.gov/pubmed/28822350>  5. Sarai M, Tejani AM, Chan AHW, Kuo IF, Li J. **Magnesium for alcohol withdrawal**. Cochrane Database Syst Rev. 2013 (6). PubMed PMID: CD008358.  <https://www.ncbi.nlm.nih.gov/pubmed/?term=CD008358>  6. Minozzi S, Amato L, Bellisario C, Ferri M, Davoli M. **Maintenance agonist treatments for opiate‐dependent pregnant women**. Cochrane Database Syst Rev. 2013 (12). PubMed PMID: CD006318.  <https://www.ncbi.nlm.nih.gov/pubmed/24366859>  7. Amato L, Minozzi S, Davoli M, Vecchi S. **Psychosocial and pharmacological treatments versus pharmacological treatments for opioid detoxification**. Cochrane Database Syst Rev. 2011 (9). PubMed PMID: CD005031.  <https://www.ncbi.nlm.nih.gov/pubmed/21901695>  8. Amato L, Minozzi S, Davoli M. **Efficacy and safety of pharmacological interventions for the treatment of the Alcohol Withdrawal Syndrome**. Cochrane Database Syst Rev. 2011 (6). PubMed PMID: CD008537.  <https://www.ncbi.nlm.nih.gov/pubmed/?term=CD008537>  9. Minozzi S, Amato L, Vecchi S, Davoli M. **Anticonvulsants for alcohol withdrawal**. Cochrane Database Syst Rev. 2010 (3). PubMed PMID: CD005064.  <https://www.ncbi.nlm.nih.gov/pubmed/20238337>  10. Leone MA, Vigna‐Taglianti F, Avanzi G, Brambilla R, Faggiano F. **Gamma‐hydroxybutyrate (GHB) for treatment of alcohol withdrawal and prevention of relapses**. Cochrane Database Syst Rev. 2010 (2). PubMed PMID: CD006266.  <https://www.ncbi.nlm.nih.gov/pubmed/?term=CD006266>  11. Amato L, Minozzi S, Vecchi S, Davoli M. **Benzodiazepines for alcohol withdrawal**. Cochrane Database Syst Rev. 2010 (3). PubMed PMID: CD005063.  <https://www.ncbi.nlm.nih.gov/pubmed/20238336>  12. Smith EJ, Lui S, Terplan M. **Pharmacologic Interventions for Pregnant Women Enrolled in Alcohol Treatment**. Cochrane Database Syst Rev. 2009 (3). PubMed PMID: CD007361.  <https://www.ncbi.nlm.nih.gov/pubmed/?term=CD007361>  13. Lonergan E, Luxenberg J, Areosa Sastre A. **Benzodiazepines for delirium**. Cochrane Database Syst Rev. 2009 (4). PubMed PMID: CD006379.  <https://www.ncbi.nlm.nih.gov/pubmed/19821364> |
| **Kommentarer:** |  |

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| **Database/ressurs:** | [Epistemonikos](http://www.epistemonikos.org/en/advanced_search) (Systematic Review, Structured Summary, Overview) |
| **Søkehistorie:** | 1 (title:(delirium tremens) OR abstract:(delirium tremens))  2 (title:(alcohol\*) OR abstract:(alcohol\*)) AND (title:(delir\* OR tremens) OR abstract:(delir\* OR tremens))  1 OR 2  Last 10 years |
| **Antall treff:** | 33 treff (Systematic reviews) |
| **Kommentarer:** | Treffliste sendes |

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| **Database/ressurs:** | [Folkehelseinstituttet - rapporter og trykksaker](https://www.fhi.no/oversikter/alle/) |
| **Søkehistorie:** | Delirium, delir, alkoholdelir, tremens, alkoholabstinens |
| **Antall treff:** | Baklofen sammenlignet med diazepam mot alkoholabstinenser. Forskningsoversikt, 2011.  <https://www.fhi.no/publ/2011/baklofen-sammenlignet-med-diazepam-mot-alkoholabstinenser/>  Benzodiazepiner i behandling av personer med rusmiddelproblemer. Metodevurdering, 2007.  <https://www.fhi.no/publ/eldre/benzodiazepiner-i-behandling-av-personer-med-rusmiddelproblemer/> |
| **Kommentarer:** |  |

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| **Database/ressurs:** | [Statens beredning för medicinsk och social utvärdering (SBU) & regional HTA](https://www.sbu.se/sv/publikationer/) – obligatorisk (SBU Utvärderar & regional HTA) |
| **Søkehistorie:** | delirium |
| **Antall treff:** | 9 treff, 3 relevante  Tillfredsställande sömndjup för att minska risken för delirium hos intensivvårdspatienter. SBU’s upplysningstjänst, 2017.  <https://www.sbu.se/ut201718>  Klometiazol jämfört med klorazepat vid svår alkoholabstinens (delirium tremens) avseende abstinenssymtom. Vetenskaplig kunskapslucka, 2016.  <https://www.sbu.se/sv/publikationer/kunskapsluckor/klometiazol-jamfort-med-klorazepat-vid-svar-alkoholabstinens-delirium-tremens-avseende-abstinenssymtom/>  Klometiazol jämfört med placebo respektive bensodiazepiner vid alkoholabstinens med risk för abstinensepilepsi och delirium tremens avseende abstinensepilepsi. Vetenskaplig kunskapslucka, 2016.  <https://www.sbu.se/sv/publikationer/kunskapsluckor/klometiazol-jamfort-med-placebo-respektive-bensodiazepiner-vid-alkoholabstinens-med-risk-for-abstinensepilepsi-och-delirium-tremens-avseende-abstinensepilepsi/> |
| **Kommentarer:** |  |

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| **Database/ressurs:** | [National Institute for Health and Care Excellence (NICE)](https://www.nice.org.uk/guidance/published?type=dg,ipg,mtg,ta) – obligatorisk (Diagnostics guidance; Interventional procedures guidance; Medical technologies guidance; Technology appraisal guidance) |
| **Søkehistorie:** | Delirium, alcohol withdrawal |
| **Antall treff:** | Ingen treff |
| **Kommentarer:** |  |

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| **Database/ressurs:** | [PubMed](http://www.ncbi.nlm.nih.gov/pubmed?otool=inouolib) (avgrens søket til systematiske oversikter) |
| **Søkehistorie:** | "Alcohol Withdrawal Delirium"[Mesh] OR ((alcohol[tiab] AND withdrawal[tiab]) AND (delirium[tiab] OR hallucinosis[tiab] OR hallucination[tiab] OR hallucinations[tiab])) OR (delirium[tiab] AND tremens[tiab])  Filters activated: Systematic Reviews, published in the last 10 years. |
| **Antall treff:** | 18 treff |
| **Kommentarer:** | Treffliste sendes |

**13. Primærstudier**

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| **Database/ressurs:** | [Ovid MEDLINE](http://proxy.helsebiblioteket.no/login?url=http://ovidsp.ovid.com/ovidweb.cgi?T=JS&NEWS=n&CSC=Y&PAGE=main&D=pmez) |
| **Søkehistorie:** | 1 exp Alcohol Withdrawal Delirium/ (1911)  2 (alcohol\* adj3 (delir\* or hallucin\*)).tw,kf,kw. (725)  3 delirium tremens.tw,kf,kw. (1136)  4 alcohol\* withdrawal syndrome.tw,kf,kw. (815)  5 or/1-4 (3228)  6 limit 5 to systematic reviews (85)  7 exp Inpatients/ or exp hospital units/ or exp hospitals/ or exp Hospital Departments/ or exp Hospitalization/ or exp Adolescent, Hospitalized/ or exp Personnel, Hospital/ (723009)  8 (inpatient\* or hospital\*).tw,kf,kw. (1225190)  9 5 and (7 or 8) (667)  10 exp confusion/ or exp delirium/ or exp consciousness disorders/ (54629)  11 deliri\*.tw,kf,kw. (14155)  12 (acute adj (confusion or cognitive impairment)).tw,kf,kw. (384)  13 or/10-12 (61901)  14 5 and 13 (1564)  15 exp Aged/ or exp Geriatrics/ or exp Geriatric Psychiatry/ or exp Geriatric Nursing/ or exp Geriatric Assessment/ (2949657)  16 (elderly or elder\* or ageing or aging or senior\* or old\* adult\* or old\* population\* or old\* people or geriatric\*).tw. (530261)  17 5 and (15 or 16) (480)  18 limit 5 to "all aged (65 and over)" (454)  19 17 or 18 (480)  20 6 or 9 or 14 or 19 (2080)  21 limit 20 to (yr="2009 -Current" and (danish or english or norwegian or swedish)) (398) |
| **Antall treff:** | 398 |
| **Kommentarer:** | Treffliste sendes |

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| **Database/ressurs:** | [EMBASE](http://ovidsp.uk.ovid.com/sp-3.13.1a/ovidweb.cgi) |
| **Søkehistorie:** | 1 exp delirium tremens/ (2393)  2 limit 1 to ((danish or english or norwegian or swedish) and yr="2009 -Current") (581) |
| **Antall treff:** | 581 treff |
| **Kommentarer:** | Treffliste sendes |

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| **Database/ressurs:** | [The Cochrane Library](http://onlinelibrary.wiley.com/cochranelibrary/search/) (Trials) |
| **Søkehistorie:** | #1 MeSH descriptor: [Alcohol Withdrawal Delirium] explode all trees 58  #2 alcohol\* near (delir\* or hallucin\*):ti,ab,kw (Word variations have been searched) 118  #3 delirium tremens:ti,ab,kw (Word variations have been searched) 63  #4 alcohol\* withdrawal syndrome:ti,ab,kw (Word variations have been searched) 1207  #5 #1 or #2 or #3 or #4 with Cochrane Library publication date Between Jan 2009 and May 2019, in Trials 740 |
| **Antall treff:** | 740 treff |
| **Kommentarer:** | Treffliste ettersendes (Cochrane’s eksport-funksjon virker ikke) |

**14. Pågående og upubliserte studier (valgfritt)**

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| **Database/ressurs:** | [ICTRP Search Portal](http://apps.who.int/trialsearch/) |
| **Søkehistorie:** |  |
| **Antall treff:** |  |
| **Kommentarer:** |  |

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| **Database/ressurs:** | [ClinicalTrials.gov](https://clinicaltrials.gov/) |
| **Søkehistorie:** | Delirium Tremens, Alcohol Withdrawal Delirium |
| **Antall treff:** | 8 treff |
| **Kommentarer:** | Treffliste sendes |

**15. Helseøkonomiske evalueringer (obligatorisk)**

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| **Database/ressurs:** | [MEDLINE](https://www.helsebiblioteket.no/databaser) (bruk "MEDLINE G-filter" Glanville 2009 (forhåndsutfylt i søkeboksen nedenfor) eller Clinical Queries: economics (maximizes specificity)) |
| **Søkehistorie:** | 1 exp delirium/ (8430)  2 exp Alcohol Withdrawal Delirium/ (1911)  3 (alcohol\* adj3 (delir\* or hallucin\*)).tw,kf,kw. (725)  4 delirium tremens.tw,kf,kw. (1136)  5 alcohol\* withdrawal syndrome.tw,kf,kw. (815)  6 (acute adj (confusion or cognitive impairment)).tw,kf,kw. (384)  7 or/1-6 (11824)  8 economics.fs. and (Cost-Benefit Analysis/ or Randomized Controlled Trial.pt.) (66470)  9 7 and 8 (29)  10 limit 7 to "economics (maximizes specificity)" (58)  11 9 or 10 (77)  12 limit 11 to (yr="2009 -Current" and (danish or english or norwegian or swedish)) (57) |
| **Antall treff:** | 57 treff |
| **Kommentarer:** | Treffliste sendes |

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| **Database/ressurs:** | EMBASE (bruk "Embase H-filter" Glanville 2009 (forhåndsutfylt i søkeboksen nedenfor) eller Clinical Queries: economics (maximizes specificity)) |
| **Søkehistorie:** | 1 exp delirium tremens/ (2393)  2 limit 1 to "economics (best balance of sensitivity and specificity)" (32)  3 (cost adj effectiveness).ti. or ((cost adj effectiveness) and (costs or cost)).ab. or ((cost and costs).ab. and Cost Effectiveness Analysis/) or (costs.ab. and Controlled Study/ and cost.hw. and (effectiveness.hw. or Randomized Controlled Trial/)) (86927)  4 1 and 3 (1)  5 2 or 4 (32)  6 limit 5 to ((danish or english or norwegian or swedish) and yr="2009 -Current") (16) |
| **Antall treff:** | 16 treff |
| **Kommentarer:** | Treffliste sendes |

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| **Database/ressurs:** | [Tandvårds- och läkemedelsförmånsverket](https://tlv.se/medicinteknik/medicinteknikuppdraget/avslutade-utvarderingar.html) |
| **Søkehistorie:** | delirium |
| **Antall treff:** | 2 treff  Yescarta (axicabtagene ciloleucel). Underlag för beslut, 2018.  <https://tlv.se/download/18.192533fa166f516fb27bb5ab/1542290744988/bes181107_underlag_yescarta.pdf>  Stesolid har fått ett högre pris. Beslut, 2018.  <https://tlv.se/beslut/beslut-lakemedel/prishojning-bifall/arkiv/2018-04-05-stesolid-har-fatt-ett-hogre-pris.html> |
| **Kommentarer:** |  |

Se etter mulig relevante helseøkonomiske evalueringer som inngår i metodevurderinger identifisert under punkt 12.

Andre kilder for helseøkonomiske evalueringer (spesifiser). Se for eksempel ["Costs and economic evaluations"](http://vortal.htai.org/index.php?q=node/336) fra SuRe Info