

NKR delir PICO 3 Multikomponent behandling

Review information

Authors

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Citation example: S. NKR delir PICO 3 Multikomponent behandling. Cochrane Database of Systematic Reviews [Year], Issue [Issue].

Contact person

[Empty name]

Dates

Assessed as Up-to-date:

Date of Search:

Next Stage Expected:

Protocol First Published: Not specified

Review First Published: Not specified

Last Citation Issue: Not specified

What's new

Date / Event	Description
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History

Date / Event	Description
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Characteristics of studies

Characteristics of included studies

Cole 1994

Methods	<p>Study design: Study grouping: Open Label: Cluster RCT:</p>
Participants	<p>Baseline Characteristics Intervention Control Included criteria: Excluded criteria: Pretreatment:</p>
Interventions	<p>Intervention Characteristics Intervention <ul style="list-style-type: none"> ● <i>Description:</i> ● <i>Duration:</i> Control <ul style="list-style-type: none"> ● <i>Description:</i> ● <i>Duration:</i> </p>
Outcomes	<p><i>Død/mortality (Longest FU, min 3 mdr)</i> <ul style="list-style-type: none"> ● Outcome type: DichotomousOutcome ● Notes: Obs kun 8 ugers FU <i>Udskrivelse til anden bolig/more dependent/permanent institution (discharge)</i></p>

<p>● Outcome type: DichotomousOutcome</p>	
Identification	<p>Sponsorship source: Country: Setting: Comments: Authors name: Cole 1994 Institution: Email: Address:</p>
Notes	<p>For more information see: Abraha I, Trotta F, Rimland JM, CruzJentoft A, Lozano-Montoya I, Soiza RL, et al. (2015) Efficacy of Non-Pharmacological Interventions to Prevent and Treat Delirium in Older Patients: A Systematic Overview. The SENATOR project ONTOP Series. PLoS ONE 10(6): e0123090. doi:10.1371/journal.pone.0123090</p>

Risk of bias table

Bias	Authors' judgement	Support for judgement
Random sequence generation (selection bias)	Unclear risk	Unclear
Allocation concealment (selection bias)	Unclear risk	Unclear
Blinding of participants and personnel (performance bias)	High risk	
Blinding of outcome assessment (detection bias)	Low risk	
Incomplete outcome data (attrition bias)	Unclear risk	Unclear
Selective reporting (reporting bias)	Unclear risk	Unclear

Cole 2002

	<p>Methods</p> <p>Study design: Study grouping: Open Label: Cluster RCT:</p>
	<p>Participants</p> <p>Baseline Characteristics</p> <p>Intervention</p> <ul style="list-style-type: none"> ● <i>Age:</i> ● <i>Delirium:</i> ● <i>Charlson Comorbidity Score:</i> <p>Control</p> <ul style="list-style-type: none"> ● <i>Age:</i> ● <i>Delirium:</i> ● <i>Charlson Comorbidity Score:</i> <p>Included criteria: Excluded criteria: Pretreatment:</p>
	<p>Interventions</p> <p>Intervention Characteristics</p> <p>Intervention</p> <ul style="list-style-type: none"> ● <i>Description:</i> ● <i>Duration:</i> <p>Control</p> <ul style="list-style-type: none"> ● <i>Description:</i> ● <i>Duration:</i>
	<p>Outcomes</p> <p><i>Død/mortality (Longest FU, min 3 mdr)</i></p> <ul style="list-style-type: none"> ● Outcome type: Dichotomous Outcome ● Reporting: Fully reported <p><i>Indlæggelsestid / Hospital stay (at discharge)</i></p>

	<ul style="list-style-type: none"> ● Outcome type: ContinuousOutcome ● Notes: Only stated that the difference is not statistically significant <p><i>Udskrivelse til anden bolig/more dependent/permanent institution (discharge)</i></p> <ul style="list-style-type: none"> ● Outcome type: DichotomousOutcome ● Reporting: Fully reported <p><i>Delirium severity (udskrivelse)</i></p> <ul style="list-style-type: none"> ● Outcome type: ContinuousOutcome ● Reporting: Partially reported
Identification	<p>Sponsorship source:</p> <p>Country:</p> <p>Setting:</p> <p>Comments:</p> <p>Authors name: Cole 2002</p> <p>Institution:</p> <p>Email:</p> <p>Address:</p>
Notes	<p>For more information see:</p> <p>Abraha I, Trotta F, Rimland JM, Cruz-Jentoft A, Lozano-Montoya I, Soiza RL, et al. (2015) Efficacy of Non-Pharmacological Interventions to Prevent and Treat Delirium in Older Patients: A Systematic Overview. The SENATOR project ONTOP Series. PLoS ONE 10(6): e0123090. doi:10.1371/journal.pone.0123090</p>

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Selective reporting (reporting bias)	Unclear risk	Unclear

Pitkala 2006

Methods	<p>Study design: Study grouping: Open Label: Cluster RCT:</p>
Participants	<p>Baseline Characteristics Intervention Control Included criteria: Excluded criteria: Pretreatment:</p>
Interventions	<p>Intervention Characteristics Intervention ● <i>Description:</i> ● <i>Duration:</i> Control ● <i>Description:</i> ● <i>Duration:</i></p>

<p>Outcomes</p>	<p><i>Død/mortality (Longest FU, min 3 mdr)</i></p> <ul style="list-style-type: none"> ● Outcome type: DichotomousOutcome ● Notes: 1 års FU <p><i>Inlæggelsestid /Hospital stay (at discharge)</i></p> <ul style="list-style-type: none"> ● Outcome type: ContinuousOutcome <p>Funktionsevne</p> <ul style="list-style-type: none"> ● Outcome type: ContinuousOutcome ● Notes: Only stated that the difference is not statistically significant <p><i>Udskrivelse til anden bolig/more dependent/permanent institution (discharge)</i></p> <ul style="list-style-type: none"> ● Outcome type: DichotomousOutcome
<p>Identification</p>	<p>Sponsorship source:</p> <p>Country:</p> <p>Setting:</p> <p>Comments:</p> <p>Authors name: Pitkälä 2006</p> <p>Institution:</p> <p>Email:</p> <p>Address:</p>
<p>Notes</p>	<p>For more information see: Abraha I, Trotta F, Rimland JM, CruzJentoft A, Lozano-Montoya I, Soiza RL, et al. (2015) Efficacy of Non-Pharmacological Interventions to Prevent and Treat Delirium in Older Patients: A Systematic Overview. The SENATOR project ONTOP Series. PLoS ONE 10(6): e0123090. doi:10.1371/journal.pone.0123090</p>

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Incomplete outcome data (attrition bias)	Unclear risk	Unclear
Selective reporting (reporting bias)	Unclear risk	Unclear

Footnotes

Characteristics of excluded studies

Boorsma 2011

Reason for exclusion	Wrong patient population
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Lundstrom 2005

Reason for exclusion	Wrong intervention
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Miilisen 2001

Reason for exclusion	Wrong patient population
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Naughton 2005

Reason for exclusion	Wrong intervention
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Pitkala 2008

Reason for exclusion	Wrong outcomes
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Rahkonen 2001

Reason for exclusion	Wrong setting
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*Footnotes***Characteristics of studies awaiting classification***Footnotes***Characteristics of ongoing studies***Footnotes***Summary of findings tables****Additional tables****References to studies****Included studies****Cole 1994**

Cole, M. G.; Primeau, F. J.; Bailey, R. F.; Bonnycastle, M. J.; Masciarelli, F.; Engelsmann, F.; Pepin, M. J.; Ducic, D.. Systematic intervention for elderly inpatients with delirium: a randomized trial. CMAJ : Canadian Medical Association journal = journal de l'Association medicale canadienne 1994;151(7):965-970. [DOI:]

Cole 2002

Cole, M. G.; McCusker, J.; Bellavance, F.; Primeau, F. J.; Bailey, R. F.; Bonnycastle, M. J.; Laplante, J.. Systematic detection and multidisciplinary care of delirium in older medical inpatients: a randomized trial. *CMAJ : Canadian Medical Association journal = journal de l'Association medicale canadienne* 2002;167(7):753-759. [DOI:]

Pitkala 2006

Pitkala, K. H.; Laurila, J. V.; Strandberg, T. E.; Tilvis, R. S.. Multicomponent geriatric intervention for elderly inpatients with delirium: a randomized, controlled trial. *The journals of gerontology. Series A, Biological sciences and medical sciences* 2006;61(2):176-181. [DOI: 61/2/176 [pii]]

Excluded studies**Boorsma 2011**

Boorsma, M.; Frijters, D. H.; Knol, D. L.; Ribbe, M. E.; Nijpels, G.; van Hout, H. P.. Effects of multidisciplinary integrated care on quality of care in residential care facilities for elderly people: a cluster randomized trial. *CMAJ : Canadian Medical Association journal = journal de l'Association medicale canadienne* 2011;183(11):E724-32. [DOI: 10.1503/cmaj.101498 [doi]]

Lundstrom 2005

Lundstrom, M.; Edlund, A.; Karlsson, S.; Brannstrom, B.; Bucht, G.; Gustafson, Y.. A multifactorial intervention program reduces the duration of delirium, length of hospitalization, and mortality in delirious patients. *Journal of the American Geriatrics Society* 2005;53(4):622-628. [DOI: JGS53210 [pii]]

Milisen 2001

Milisen, K.; Foreman, M. D.; Abraham, I. L.; De Geest, S.; Godderis, J.; Vandermeulen, E.; Fischler, B.; Delooz, H. H.; Spiessens, B.; Broos, P. L.. A nurse-led interdisciplinary intervention program for delirium in elderly hip-fracture patients. *Journal of the American Geriatrics Society* 2001;49(5):523-532. [DOI: jgs49109 [pii]]

Naughton 2005

Naughton, B. J.; Saltzman, S.; Ramadan, F.; Chadha, N.; Priore, R.; Mylotte, J. M.. A multifactorial intervention to reduce prevalence of delirium and shorten hospital length of stay. *Journal of the American Geriatrics Society* 2005;53(1):18-23. [DOI: JGS53005 [pii]]

Pitkala 2008

Pitkala, K. H.; Laurila, J. V.; Strandberg, T. E.; Kautiainen, H.; Sintonen, H.; Tilvis, R. S.. Multicomponent geriatric intervention for elderly inpatients with delirium: effects on costs and health-related quality of life. *The journals of gerontology. Series A, Biological sciences and medical sciences* 2008;63(1):56-61. [DOI: 63/1/56 [pii]]

Rahkonen 2001

Rahkonen, T.; Eloniemi-Sulkava, U.; Paanila, S.; Halonen, P.; Sivenius, J.; Sulkava, R.. Systematic intervention for supporting community care of elderly people after a delirium episode. *International psychogeriatrics / IPA* 2001;13(1):37-49. [DOI:]

Studies awaiting classification**Ongoing studies****Other references****Additional references****Other published versions of this review****Data and analyses****1 Intervention vs Control**

Outcome or Subgroup	Studies	Participants	Statistical Method	Effect Estimate
1.1 Indlæggelsestid /Hospital stay (at discharge)	2	392	Mean Difference (IV, Random, 95% CI)	3.26 [-2.84, 9.36]
1.1.1 Time	2	392	Mean Difference (IV, Random, 95% CI)	3.26 [-2.84, 9.36]
1.2 Delirvarighed (udskrivelse)	0	0	Mean Difference (IV, Fixed, 95% CI)	Not estimable
1.3 Fald (udskrivelse)	0	0	Mean Difference (IV, Fixed, 95% CI)	Not estimable
1.4 Funktionsevne (udskrivelse)	0	0	Mean Difference (IV, Fixed, 95% CI)	Not estimable
1.5 Forbrug af antipsykotika (udskrivelse)	0	0	Mean Difference (IV, Fixed, 95% CI)	Not estimable
1.6 Tryksår (udskrivelse)	0	0	Mean Difference (IV, Fixed, 95% CI)	Not estimable
1.7 Delirium severity (udskrivelse)	0	0	Mean Difference (IV, Fixed, 95% CI)	Not estimable

1.8 Død/mortality (Longest FU, min 3 mdr)	3	480	Risk Ratio (IV, Random, 95% CI)	1.08 [0.81, 1.44]
1.8.1 Time	3	480	Risk Ratio (IV, Random, 95% CI)	1.08 [0.81, 1.44]
1.9 Genindlæggelser/readmissions (3 mdr FU)	0		Risk Ratio (IV, Fixed, 95% CI)	No totals
1.10 Udskrivelse til anden bolig/more dependent/permanent institution (discharge)	3	480	Risk Ratio (IV, Random, 95% CI)	0.83 [0.62, 1.10]
1.10.1 Time	3	480	Risk Ratio (IV, Random, 95% CI)	0.83 [0.62, 1.10]

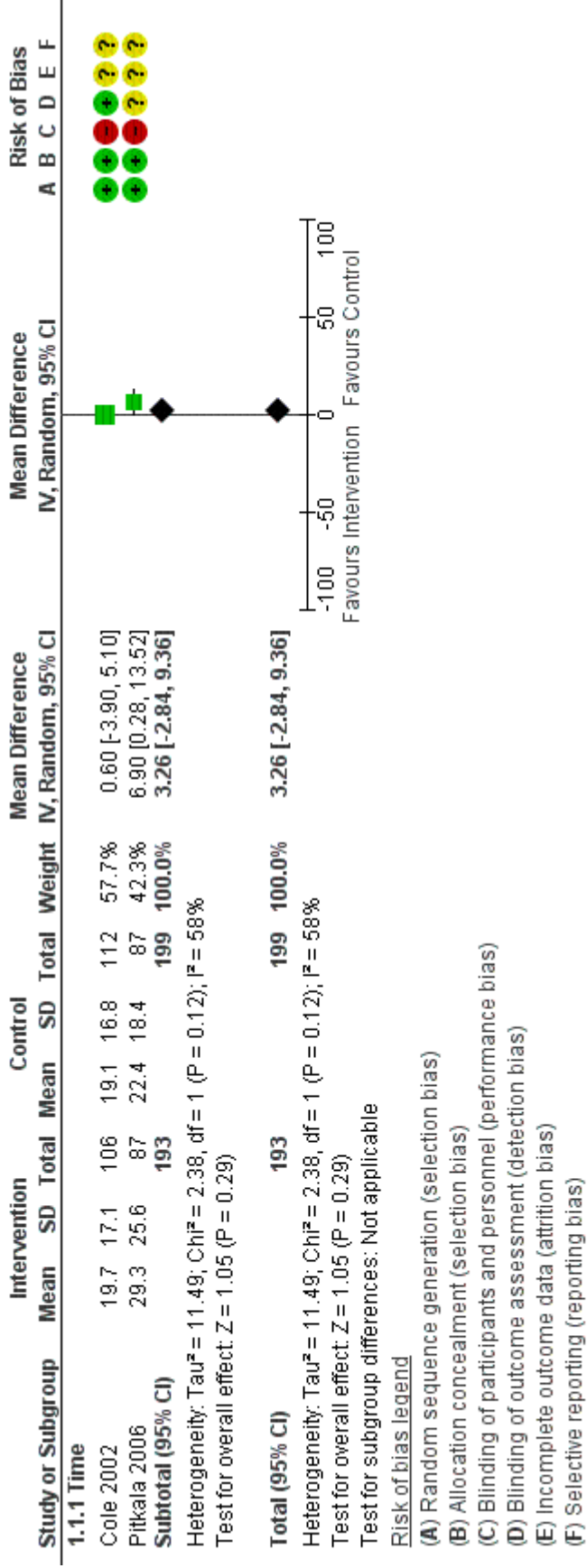
Figures

Figure 1

	Random sequence generation (selection bias)	Allocation concealment (selection bias)	Blinding of participants and personnel (performance bias)	Blinding of outcome assessment (detection bias)	Incomplete outcome data (attrition bias)	Selective reporting (reporting bias)
Cole 1994	?	?	-	+	?	?
Cole 2002	+	+	-	+	?	?
Pitkala 2006	+	+	-	?	?	?

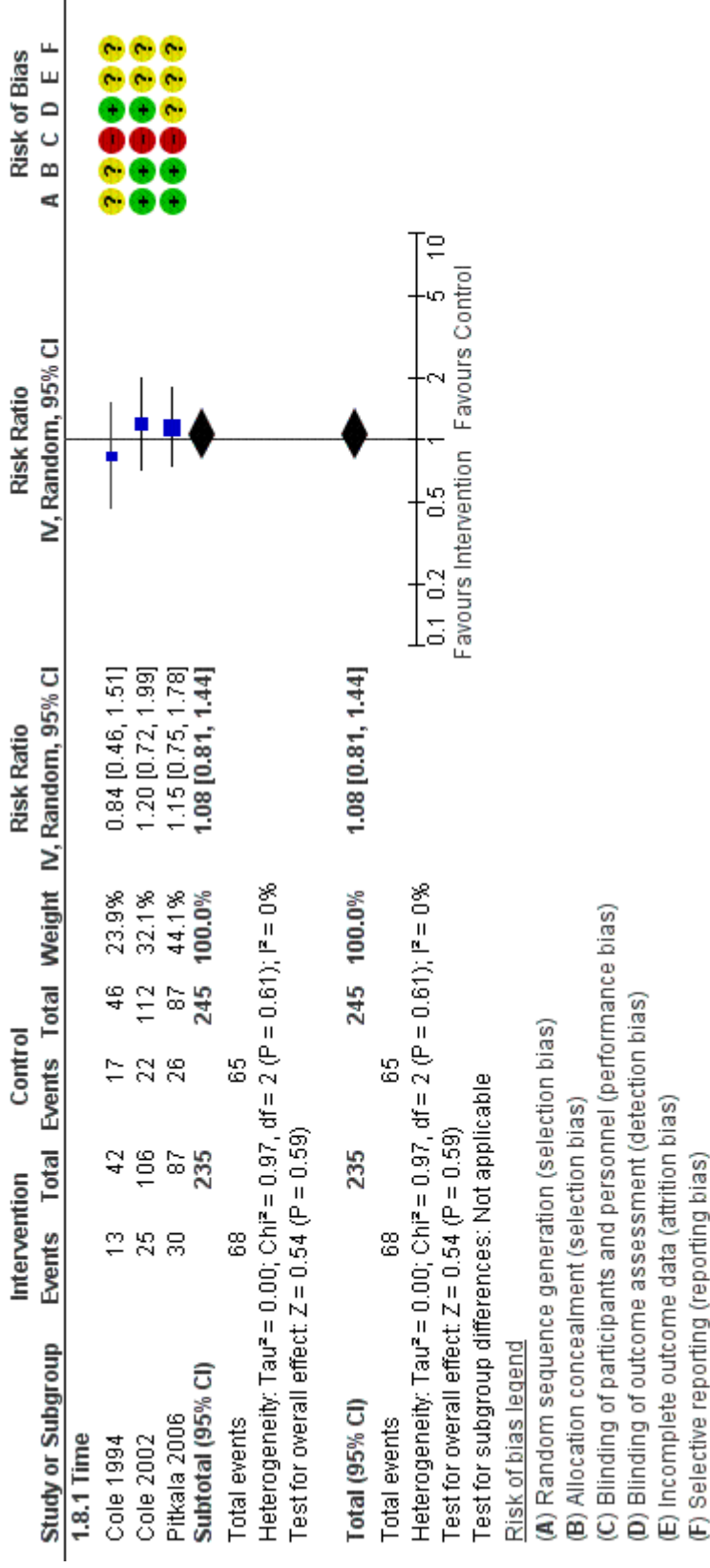
Risk of bias summary: review authors' judgements about each risk of bias item for each included study.

Figure 2 (Analysis 1.1)



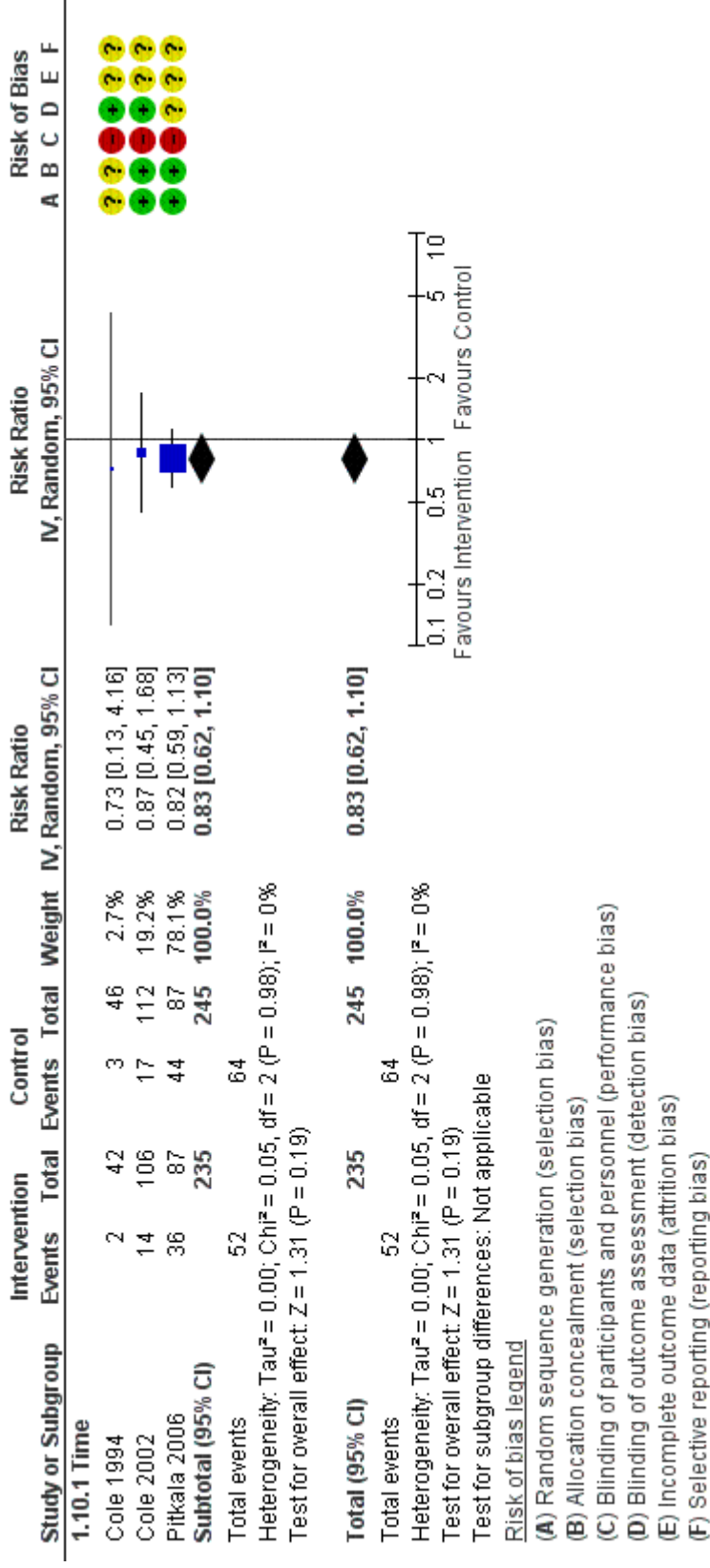
Forest plot of comparison: 1 Intervention vs Control, outcome: 1.1 Indlæggelsestid /Hospital stay (at discharge).

Figure 3 (Analysis 1.8)



Forest plot of comparison: 1 Intervention vs Control, outcome: 1.8 Død/mortality (Longest FU, min 3 mdr).

Figure 4 (Analysis 1.10)



Forest plot of comparison: 1 Intervention vs Control, outcome: 1.10 Udskrivelse til anden bolig/more dependent/permanent institution (discharge).