NKR 7 - PICO 6 Helhjernebestråling med kemoterapi versus Helhjernebestråling for Hjernemetastaser

Characteristics of studies

Characteristics of included studies

6 rct Antonadou 2002

Methods	
Participants	
Interventions	
Outcomes	
Notes	

Risk of bias table

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

6 rct Chua 2010

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6 rct Gamboa 2012

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6 rct Guerrieri 2004

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| Selective reporting (reporting bias) | Unclear risk |
| Other bias | Unclear risk |

6 rct Hassler 2013

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6 rct Ushio 1991

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6 rct Verger 2005

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Other bias	Unclear risk	

Footnotes

Characteristics of excluded studies

Footnotes

Characteristics of studies awaiting classification

Footnotes

Characteristics of ongoing studies

Footnotes

References to studies

Included studies

6 rct Antonadou 2002

[Empty]

6 rct Chua 2010

[Empty]

6 rct Gamboa 2012

[Empty]

6 rct Guerrieri 2004

[Empty]

6 rct Hassler 2013

[Empty]

6 rct Ushio 1991

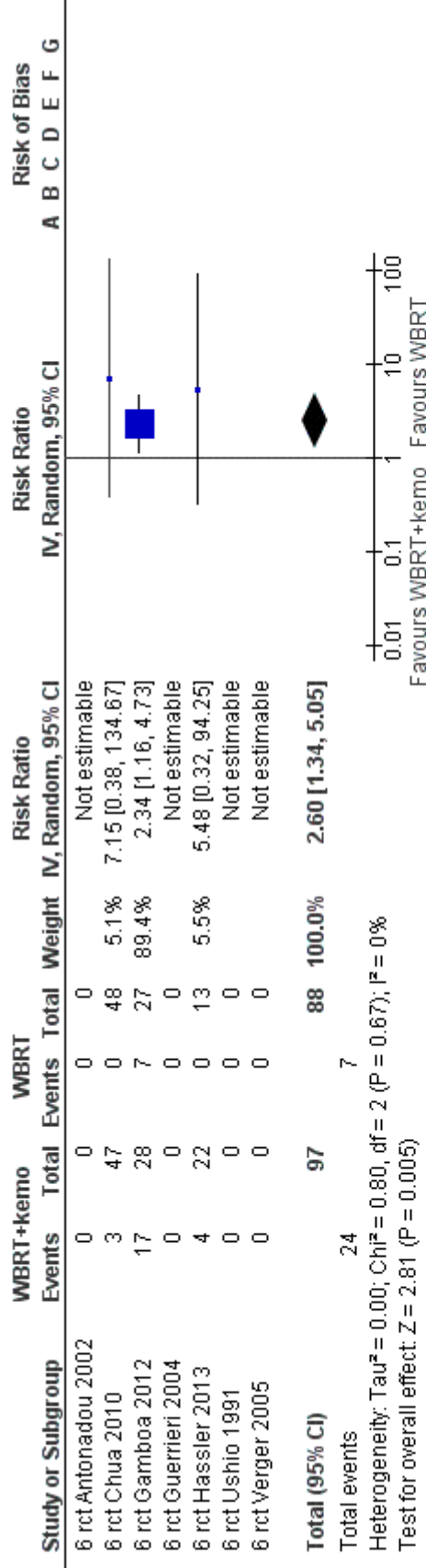[Empty]

6 rct Verger 2005

[Empty]

Excluded studies

Data and analyses

13 PICO 6 RCTs

Outcome or Subgroup	Studies	Participants	Statistical Method	Effect Estimate
13.1 Overlevelse	7		Mean Difference (IV, Random, 95% CI)	0.07 [-0.82, 0.96]
13.4 Lokal kontrol	7	231	Risk Ratio (IV, Random, 95% CI)	1.35 [1.14, 1.60]
13.6 Alvorlige bivirkninger	7	185	Risk Ratio (IV, Random, 95% CI)	2.60 [1.34, 5.05]

Figures

Figure 1 (Analysis 13.6)

Study or Subgroup	WBRT+kemo Events	WBRT+kemo Total	WBRT Events	WBRT Total	Weight	Risk Ratio IV, Random, 95% CI	Risk of Bias A B C D E F G
6 rct Antonadou 2002	0	0	0	0		Not estimable	
6 rct Chua 2010	3	47	0	48	5.1%	7.15 [0.38, 134.67]	
6 rct Gamboa 2012	17	28	7	27	89.4%	2.34 [1.16, 4.73]	
6 rct Guerrieri 2004	0	0	0	0		Not estimable	
6 rct Hassler 2013	4	22	0	13	5.5%	5.48 [0.32, 94.25]	
6 rct Ushio 1991	0	0	0	0		Not estimable	
6 rct Verger 2005	0	0	0	0		Not estimable	
Total (95% CI)		**97**		**88**	**100.0%**	**2.60 [1.34, 5.05]**	
Total events	24		7				

Heterogeneity: Tau² = 0.00; Chi² = 0.80, df = 2 (P = 0.67); I² = 0%
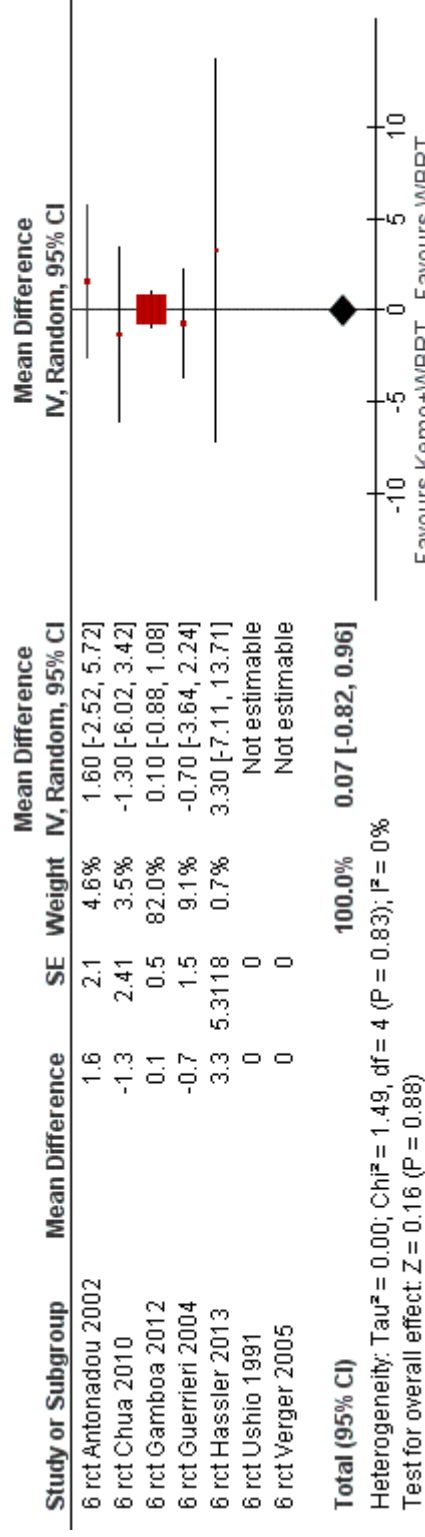Test for overall effect: Z = 2.81 (P = 0.005)

Risk of bias legend
(A) Random sequence generation (selection bias)
(B) Allocation concealment (selection bias)
(C) Blinding of participants and personnel (performance bias)
(D) Blinding of outcome assessment (detection bias)
(E) Incomplete outcome data (attrition bias)
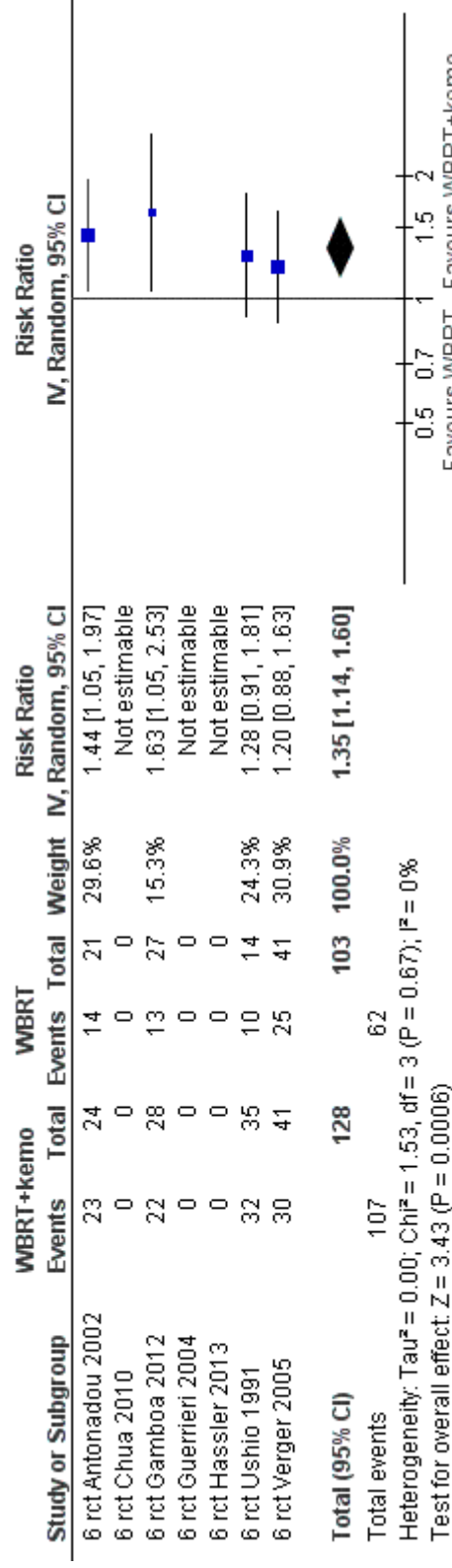(F) Selective reporting (reporting bias)
(G) Other bias

Forest plot of comparison: 13 PICO 6 RCTs, outcome: 13.6 Alvorlige bivirkninger.

Figure 2 (Analysis 13.1)

Study or Subgroup	Mean Difference	SE	Weight	Mean Difference IV, Random, 95% CI
6 rct Antonadou 2002	1.6	2.1	4.6%	1.60 [-2.52, 5.72]
6 rct Chua 2010	-1.3	2.41	3.5%	-1.30 [-6.02, 3.42]
6 rct Gamboa 2012	0.1	0.5	82.0%	0.10 [-0.88, 1.08]
6 rct Guerrieri 2004	-0.7	1.5	9.1%	-0.70 [-3.64, 2.24]
6 rct Hassler 2013	3.3	5.3118	0.7%	3.30 [-7.11, 13.71]
6 rct Ushio 1991	0	0		Not estimable
6 rct Verger 2005	0	0		Not estimable
Total (95% CI)			**100.0%**	**0.07 [-0.82, 0.96]**

Heterogeneity: Tau² = 0.00; Chi² = 1.49, df = 4 (P = 0.83); I² = 0%
Test for overall effect: Z = 0.16 (P = 0.88)

Forest plot of comparison: 13 PICO 6 RCTs, outcome: 13.1 Overlevelse.

Figure 3 (Analysis 13.4)

Study or Subgroup	WBRT+kemo Events	WBRT+kemo Total	WBRT Events	WBRT Total	Weight	Risk Ratio IV, Random, 95% CI
6 rct Antonadou 2002	23	24	14	21	29.6%	1.44 [1.05, 1.97]
6 rct Chua 2010	0	0	0	0		Not estimable
6 rct Gamboa 2012	22	28	13	27	15.3%	1.63 [1.05, 2.53]
6 rct Guerrieri 2004	0	0	0	0		Not estimable
6 rct Hassler 2013	0	0	0	0		Not estimable
6 rct Ushio 1991	32	35	10	14	24.3%	1.28 [0.91, 1.81]
6 rct Verger 2005	30	41	25	41	30.9%	1.20 [0.88, 1.63]
Total (95% CI)		**128**		**103**	**100.0%**	**1.35 [1.14, 1.60]**
Total events	107		62			

Heterogeneity: Tau² = 0.00; Chi² = 1.53, df = 3 (P = 0.67); I² = 0%
Test for overall effect: Z = 3.43 (P = 0.0006)

Forest plot of comparison: 13 PICO 6 RCTs, outcome: 13.4 Lokal kontrol.