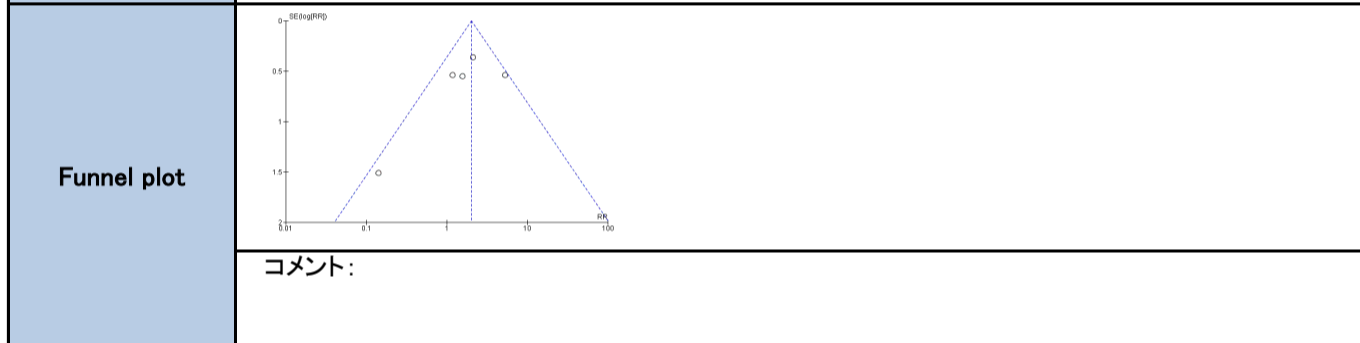
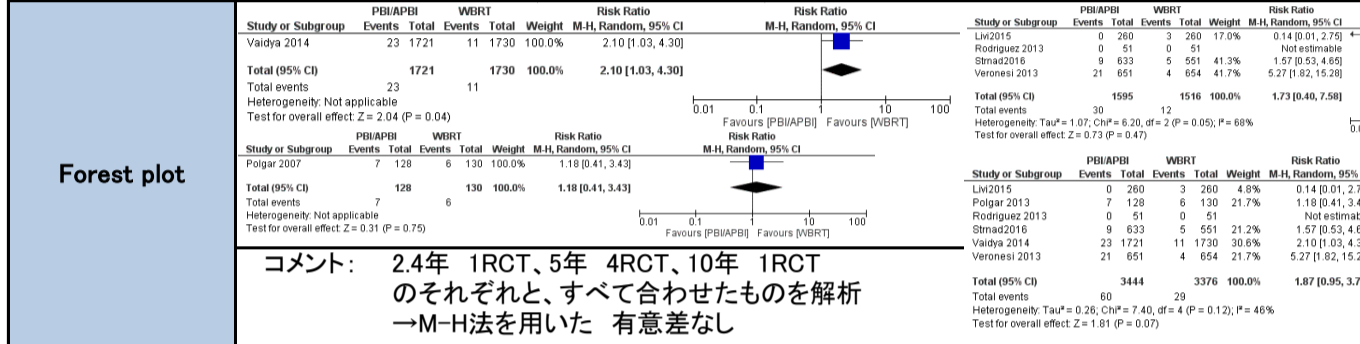
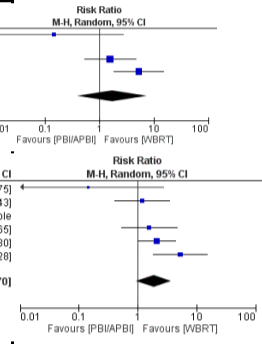


【4-9 メタアナリシス】

<b>CQ</b>	照射法として加速乳房部分照射は勧められるか		
<b>P</b>	乳がんに対する乳房温存手術後	<b>I</b>	APBI
<b>C</b>	全乳房照射	<b>O</b>	局所再発
<b>研究デザイン</b>	RCT	<b>文献数</b>	6
<b>モデル</b>	ランダム効果モデル	<b>方法</b>	Mantel-Haenszel法(Review Manager 5.3)
<b>効果指標</b>	リスク比	<b>統合値</b>	1.87 ( 0.95 - 3.70 ) P= 0.07



<b>その他の解析</b>	コメント:
メタリグレッション	
感度分析	



【4-9 メタアナリシス】

<b>CQ</b>		照射法として加速乳房部分照射は勧められるか																																																											
<b>P</b>	乳がんに対する乳房温存手術後			<b>I</b>	APBI																																																								
<b>C</b>	全乳房照射			<b>O</b>	整容性																																																								
<b>研究デザイン</b>		RCT	<b>文献数</b>		6																																																								
<b>モデル</b>		ランダム効果モデル	<b>方法</b>		Mantel-Haenszel法(Review Manager 5.3)																																																								
<b>効果指標</b>		リスク比	<b>統合値</b>		0.99 ( 0.55 - 1.78 ) P= 0.97																																																								
<b>Forest plot</b>		<table border="1"> <thead> <tr> <th>Study or Subgroup</th> <th>PBI/APBI Events</th> <th>Total</th> <th>WBI Events</th> <th>Total</th> <th>Weight</th> <th>Risk Ratio M-H, Random, 95% CI</th> </tr> </thead> <tbody> <tr> <td>Livi 2015</td> <td>0</td> <td>246</td> <td>2</td> <td>260</td> <td>3.3%</td> <td>0.21 [0.01, 4.38]</td> </tr> <tr> <td>Olivotto 2013</td> <td>140</td> <td>399</td> <td>61</td> <td>367</td> <td>21.9%</td> <td>2.11 [1.62, 2.75]</td> </tr> <tr> <td>Polgar 2013</td> <td>24</td> <td>125</td> <td>43</td> <td>116</td> <td>20.4%</td> <td>0.52 [0.34, 0.80]</td> </tr> <tr> <td>Polgar 2017</td> <td>50</td> <td>633</td> <td>49</td> <td>551</td> <td>20.9%</td> <td>0.89 [0.61, 1.30]</td> </tr> <tr> <td>Rodriguez 2013</td> <td>12</td> <td>51</td> <td>8</td> <td>51</td> <td>16.0%</td> <td>1.50 [0.67, 3.36]</td> </tr> <tr> <td>Vaidya 2014</td> <td>12</td> <td>55</td> <td>13</td> <td>50</td> <td>17.5%</td> <td>0.84 [0.42, 1.66]</td> </tr> <tr> <td><b>Total (95% CI)</b></td> <td></td> <td><b>1509</b></td> <td></td> <td><b>1395</b></td> <td><b>100.0%</b></td> <td><b>0.99 [0.55, 1.78]</b></td> </tr> </tbody> </table> <p>Total events: 238 (PBI/APBI), 176 (WBI)  Heterogeneity: Tau<sup>2</sup> = 0.40; Chi<sup>2</sup> = 37.02, df = 5 (P &lt; 0.00001); I<sup>2</sup> = 86%  Test for overall effect: Z = 0.04 (P = 0.97)</p>				Study or Subgroup	PBI/APBI Events	Total	WBI Events	Total	Weight	Risk Ratio M-H, Random, 95% CI	Livi 2015	0	246	2	260	3.3%	0.21 [0.01, 4.38]	Olivotto 2013	140	399	61	367	21.9%	2.11 [1.62, 2.75]	Polgar 2013	24	125	43	116	20.4%	0.52 [0.34, 0.80]	Polgar 2017	50	633	49	551	20.9%	0.89 [0.61, 1.30]	Rodriguez 2013	12	51	8	51	16.0%	1.50 [0.67, 3.36]	Vaidya 2014	12	55	13	50	17.5%	0.84 [0.42, 1.66]	<b>Total (95% CI)</b>		<b>1509</b>		<b>1395</b>	<b>100.0%</b>	<b>0.99 [0.55, 1.78]</b>
Study or Subgroup	PBI/APBI Events	Total	WBI Events	Total	Weight	Risk Ratio M-H, Random, 95% CI																																																							
Livi 2015	0	246	2	260	3.3%	0.21 [0.01, 4.38]																																																							
Olivotto 2013	140	399	61	367	21.9%	2.11 [1.62, 2.75]																																																							
Polgar 2013	24	125	43	116	20.4%	0.52 [0.34, 0.80]																																																							
Polgar 2017	50	633	49	551	20.9%	0.89 [0.61, 1.30]																																																							
Rodriguez 2013	12	51	8	51	16.0%	1.50 [0.67, 3.36]																																																							
Vaidya 2014	12	55	13	50	17.5%	0.84 [0.42, 1.66]																																																							
<b>Total (95% CI)</b>		<b>1509</b>		<b>1395</b>	<b>100.0%</b>	<b>0.99 [0.55, 1.78]</b>																																																							
		コメント: 有意差なし																																																											
<b>Funnel plot</b>																																																													
		コメント:																																																											
<b>その他の解析</b>		コメント:																																																											
メタリグレーション																																																													
感度分析																																																													

【4-9 メタアナリシス】

<b>CQ</b>		照射法として加速乳房部分照射は勧められるか																																																																									
<b>P</b>	乳がんに対する乳房温存手術後	<b>I</b>	APBI																																																																								
<b>C</b>	全乳房照射	<b>O</b>	晩期皮膚障害																																																																								
<b>研究デザイン</b>	RCT	<b>文献数</b>	3	<b>コード</b>	GEC-ESTRO, Livi, Rodriguez																																																																						
<b>モデル</b>	固定効果モデル	<b>方法</b>	Mantel-Haenszel法(Review Manager 5.3)																																																																								
<b>効果指標</b>	リスク比	<b>統合値</b>	0.60 ( 0.34 - 1.07 ) P= 0.08																																																																								
<b>Forest plot</b>	<table border="1"> <thead> <tr> <th rowspan="2">Study or Subgroup</th> <th colspan="2">PBI/APBI</th> <th colspan="2">WBRT</th> <th rowspan="2">Weight</th> <th colspan="2">Risk Ratio</th> </tr> <tr> <th>Events</th> <th>Total</th> <th>Events</th> <th>Total</th> <th>M-H, Fixed, 95% CI</th> <th>M-H, Fixed, 95% CI</th> </tr> </thead> <tbody> <tr> <td>Livi2015</td> <td>0</td> <td>260</td> <td>2</td> <td>246</td> <td>8.8%</td> <td>0.19</td> <td>[0.01, 3.92]</td> </tr> <tr> <td>Polgar 2017</td> <td>19</td> <td>484</td> <td>24</td> <td>393</td> <td>91.2%</td> <td>0.64</td> <td>[0.36, 1.16]</td> </tr> <tr> <td>Rodriguez 2013</td> <td>0</td> <td>51</td> <td>0</td> <td>51</td> <td></td> <td colspan="2">Not estimable</td> </tr> <tr> <td><b>Total (95% CI)</b></td> <td></td> <td><b>795</b></td> <td></td> <td><b>690</b></td> <td><b>100.0%</b></td> <td><b>0.60</b></td> <td><b>[0.34, 1.07]</b></td> </tr> <tr> <td>Total events</td> <td>19</td> <td></td> <td>26</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="8">Heterogeneity: Chi<sup>2</sup> = 0.61, df = 1 (P = 0.44); I<sup>2</sup> = 0%</td> </tr> <tr> <td colspan="8">Test for overall effect: Z = 1.73 (P = 0.08)</td> </tr> </tbody> </table>					Study or Subgroup	PBI/APBI		WBRT		Weight	Risk Ratio		Events	Total	Events	Total	M-H, Fixed, 95% CI	M-H, Fixed, 95% CI	Livi2015	0	260	2	246	8.8%	0.19	[0.01, 3.92]	Polgar 2017	19	484	24	393	91.2%	0.64	[0.36, 1.16]	Rodriguez 2013	0	51	0	51		Not estimable		<b>Total (95% CI)</b>		<b>795</b>		<b>690</b>	<b>100.0%</b>	<b>0.60</b>	<b>[0.34, 1.07]</b>	Total events	19		26					Heterogeneity: Chi <sup>2</sup> = 0.61, df = 1 (P = 0.44); I <sup>2</sup> = 0%								Test for overall effect: Z = 1.73 (P = 0.08)							
	Study or Subgroup	PBI/APBI		WBRT			Weight	Risk Ratio																																																																			
Events		Total	Events	Total	M-H, Fixed, 95% CI	M-H, Fixed, 95% CI																																																																					
Livi2015	0	260	2	246	8.8%	0.19	[0.01, 3.92]																																																																				
Polgar 2017	19	484	24	393	91.2%	0.64	[0.36, 1.16]																																																																				
Rodriguez 2013	0	51	0	51		Not estimable																																																																					
<b>Total (95% CI)</b>		<b>795</b>		<b>690</b>	<b>100.0%</b>	<b>0.60</b>	<b>[0.34, 1.07]</b>																																																																				
Total events	19		26																																																																								
Heterogeneity: Chi <sup>2</sup> = 0.61, df = 1 (P = 0.44); I <sup>2</sup> = 0%																																																																											
Test for overall effect: Z = 1.73 (P = 0.08)																																																																											
	<p>コメント: 有意差なし</p>																																																																										
<b>Funnel plot</b>																																																																											
	<p>コメント:</p>																																																																										
<b>その他の解析</b>					コメント:																																																																						
メタリグレーション																																																																											
感度分析																																																																											

【4-9 メタアナリシス】

<b>CQ</b>		照射法として加速乳房部分照射は勧められるか																																																																																	
<b>P</b>	乳がんに対する乳房温存手術後	<b>I</b>	APBI																																																																																
<b>C</b>	全乳房照射	<b>O</b>	脂肪壊死																																																																																
<b>研究デザイン</b>	RCT	<b>文献数</b>	4	<b>コード</b>	GEC-ESTRO, ELIOT, Polgar, RAPID																																																																														
<b>モデル</b>	固定効果モデル	<b>方法</b>	Mantel-Haenszel法(Review Manager 5.3)																																																																																
<b>効果指標</b>	リスク比	<b>統合値</b>	1.41 ( 1.05 - 1.90 ) P= 0.02																																																																																
<b>Forest plot</b>	<table border="1"> <thead> <tr> <th rowspan="2">Study or Subgroup</th> <th colspan="2">PBI/APBI</th> <th colspan="2">WBRT</th> <th rowspan="2">Weight</th> <th colspan="2">Risk Ratio</th> </tr> <tr> <th>Events</th> <th>Total</th> <th>Events</th> <th>Total</th> <th>M-H, Fixed, 95% CI</th> <th>M-H, Fixed, 95% CI</th> </tr> </thead> <tbody> <tr> <td>Olivetto 2013</td> <td>12</td> <td>399</td> <td>4</td> <td>367</td> <td>6.4%</td> <td>2.76</td> <td>[0.90, 8.48]</td> </tr> <tr> <td>Polgar 2007</td> <td>26</td> <td>127</td> <td>26</td> <td>129</td> <td>39.4%</td> <td>1.02</td> <td>[0.63, 1.65]</td> </tr> <tr> <td>Polgar 2017</td> <td>37</td> <td>484</td> <td>23</td> <td>393</td> <td>38.7%</td> <td>1.31</td> <td>[0.79, 2.16]</td> </tr> <tr> <td>Veronesi 2013</td> <td>22</td> <td>151</td> <td>10</td> <td>146</td> <td>15.5%</td> <td>2.13</td> <td>[1.04, 4.34]</td> </tr> <tr> <td><b>Total (95% CI)</b></td> <td colspan="2"><b>1161</b></td> <td colspan="2"><b>1035</b></td> <td><b>100.0%</b></td> <td><b>1.41</b></td> <td><b>[1.05, 1.90]</b></td> </tr> <tr> <td>Total events</td> <td colspan="2">97</td> <td colspan="2">63</td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="8">Heterogeneity: Chi<sup>2</sup> = 4.50, df = 3 (P = 0.21); I<sup>2</sup> = 33%</td> </tr> <tr> <td colspan="8">Test for overall effect: Z = 2.26 (P = 0.02)</td> </tr> </tbody> </table>				Study or Subgroup	PBI/APBI		WBRT		Weight	Risk Ratio		Events	Total	Events	Total	M-H, Fixed, 95% CI	M-H, Fixed, 95% CI	Olivetto 2013	12	399	4	367	6.4%	2.76	[0.90, 8.48]	Polgar 2007	26	127	26	129	39.4%	1.02	[0.63, 1.65]	Polgar 2017	37	484	23	393	38.7%	1.31	[0.79, 2.16]	Veronesi 2013	22	151	10	146	15.5%	2.13	[1.04, 4.34]	<b>Total (95% CI)</b>	<b>1161</b>		<b>1035</b>		<b>100.0%</b>	<b>1.41</b>	<b>[1.05, 1.90]</b>	Total events	97		63					Heterogeneity: Chi <sup>2</sup> = 4.50, df = 3 (P = 0.21); I <sup>2</sup> = 33%								Test for overall effect: Z = 2.26 (P = 0.02)								<b>コメント:</b> 有意差あり
Study or Subgroup	PBI/APBI		WBRT			Weight	Risk Ratio																																																																												
	Events	Total	Events	Total	M-H, Fixed, 95% CI		M-H, Fixed, 95% CI																																																																												
Olivetto 2013	12	399	4	367	6.4%	2.76	[0.90, 8.48]																																																																												
Polgar 2007	26	127	26	129	39.4%	1.02	[0.63, 1.65]																																																																												
Polgar 2017	37	484	23	393	38.7%	1.31	[0.79, 2.16]																																																																												
Veronesi 2013	22	151	10	146	15.5%	2.13	[1.04, 4.34]																																																																												
<b>Total (95% CI)</b>	<b>1161</b>		<b>1035</b>		<b>100.0%</b>	<b>1.41</b>	<b>[1.05, 1.90]</b>																																																																												
Total events	97		63																																																																																
Heterogeneity: Chi <sup>2</sup> = 4.50, df = 3 (P = 0.21); I <sup>2</sup> = 33%																																																																																			
Test for overall effect: Z = 2.26 (P = 0.02)																																																																																			
<b>Funnel plot</b>					<b>コメント:</b>																																																																														
<b>その他の解析</b>	メタリグレーション 感度分析			<b>コメント:</b>																																																																															

【4-9 メタアナリシス】

<b>CQ</b>		照射法として加速乳房部分照射は勧められるか																																																																																	
<b>P</b>	乳がんに対する乳房温存手術後			<b>I</b>	APBI																																																																														
<b>C</b>	全乳房照射			<b>O</b>	遠隔再発																																																																														
<b>研究デザイン</b>		RCT	<b>文献数</b>		4																																																																														
<b>モデル</b>		固定効果モデル	<b>方法</b>		Mantel-Haenszel法(Review Manager 5.3)																																																																														
<b>効果指標</b>		リスク比	<b>統合値</b>		0.89 ( 0.62 - 1.28 ) P= 0.53																																																																														
<b>Forest plot</b>		<table border="1"> <thead> <tr> <th rowspan="2">Study or Subgroup</th> <th colspan="2">PBI/APBI</th> <th colspan="2">WBRT</th> <th rowspan="2">Weight</th> <th colspan="2">Risk Ratio</th> </tr> <tr> <th>Events</th> <th>Total</th> <th>Events</th> <th>Total</th> <th>M-H, Fixed, 95% CI</th> <th>M-H, Fixed, 95% CI</th> </tr> </thead> <tbody> <tr> <td>Livi2015</td> <td>3</td> <td>260</td> <td>4</td> <td>260</td> <td>6.9%</td> <td>0.75</td> <td>[0.17, 3.32]</td> </tr> <tr> <td>Polgar 2013</td> <td>11</td> <td>128</td> <td>14</td> <td>130</td> <td>23.9%</td> <td>0.80</td> <td>[0.38, 1.69]</td> </tr> <tr> <td>Strnad2016</td> <td>5</td> <td>633</td> <td>5</td> <td>551</td> <td>9.2%</td> <td>0.87</td> <td>[0.25, 2.99]</td> </tr> <tr> <td>Veronesi 2013</td> <td>33</td> <td>651</td> <td>35</td> <td>654</td> <td>60.0%</td> <td>0.95</td> <td>[0.60, 1.50]</td> </tr> <tr> <td><b>Total (95% CI)</b></td> <td></td> <td><b>1672</b></td> <td></td> <td><b>1595</b></td> <td><b>100.0%</b></td> <td><b>0.89</b></td> <td><b>[0.62, 1.28]</b></td> </tr> <tr> <td>Total events</td> <td colspan="2">52</td> <td colspan="2">58</td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="8">Heterogeneity: Chi<sup>2</sup> = 0.20, df = 3 (P = 0.98); I<sup>2</sup> = 0%</td> </tr> <tr> <td colspan="8">Test for overall effect: Z = 0.62 (P = 0.53)</td> </tr> </tbody> </table>				Study or Subgroup	PBI/APBI		WBRT		Weight	Risk Ratio		Events	Total	Events	Total	M-H, Fixed, 95% CI	M-H, Fixed, 95% CI	Livi2015	3	260	4	260	6.9%	0.75	[0.17, 3.32]	Polgar 2013	11	128	14	130	23.9%	0.80	[0.38, 1.69]	Strnad2016	5	633	5	551	9.2%	0.87	[0.25, 2.99]	Veronesi 2013	33	651	35	654	60.0%	0.95	[0.60, 1.50]	<b>Total (95% CI)</b>		<b>1672</b>		<b>1595</b>	<b>100.0%</b>	<b>0.89</b>	<b>[0.62, 1.28]</b>	Total events	52		58					Heterogeneity: Chi <sup>2</sup> = 0.20, df = 3 (P = 0.98); I <sup>2</sup> = 0%								Test for overall effect: Z = 0.62 (P = 0.53)							
Study or Subgroup	PBI/APBI		WBRT		Weight		Risk Ratio																																																																												
	Events	Total	Events	Total		M-H, Fixed, 95% CI	M-H, Fixed, 95% CI																																																																												
Livi2015	3	260	4	260	6.9%	0.75	[0.17, 3.32]																																																																												
Polgar 2013	11	128	14	130	23.9%	0.80	[0.38, 1.69]																																																																												
Strnad2016	5	633	5	551	9.2%	0.87	[0.25, 2.99]																																																																												
Veronesi 2013	33	651	35	654	60.0%	0.95	[0.60, 1.50]																																																																												
<b>Total (95% CI)</b>		<b>1672</b>		<b>1595</b>	<b>100.0%</b>	<b>0.89</b>	<b>[0.62, 1.28]</b>																																																																												
Total events	52		58																																																																																
Heterogeneity: Chi <sup>2</sup> = 0.20, df = 3 (P = 0.98); I <sup>2</sup> = 0%																																																																																			
Test for overall effect: Z = 0.62 (P = 0.53)																																																																																			
		コメント: 有意差なし																																																																																	
<b>Funnel plot</b>																																																																																			
		コメント:																																																																																	
<b>その他の解析</b>					コメント:																																																																														
メタリグレーション																																																																																			
感度分析																																																																																			

【4-9 メタアナリシス】

<b>CQ</b>		照射法として加速乳房部分照射は勧められるか																																																																													
<b>P</b>	乳がんに対する乳房温存手術後			<b>I</b>	APBI																																																																										
<b>C</b>	全乳房照射			<b>O</b>	全生存																																																																										
<b>研究デザイン</b>		RCT	<b>文献数</b>		5																																																																										
<b>モデル</b>		固定効果モデル	<b>方法</b>		Mantel-Haenszel法(Review Manager 5.3)																																																																										
<b>効果指標</b>		リスク比	<b>統合値</b>		0.84 ( 0.67 - 1.06 ) P= 0.14																																																																										
<b>Forest plot</b>		<table border="1"> <thead> <tr> <th rowspan="2">Study or Subgroup</th> <th colspan="2">PBI/APBI</th> <th colspan="2">WBRT</th> <th rowspan="2">Weight</th> <th rowspan="2">Risk Ratio M-H, Fixed, 95% CI</th> </tr> <tr> <th>Events</th> <th>Total</th> <th>Events</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Livi2015</td> <td>1</td> <td>260</td> <td>7</td> <td>260</td> <td>4.8%</td> <td>0.14 [0.02, 1.15]</td> </tr> <tr> <td>Polgar 2013</td> <td>25</td> <td>128</td> <td>23</td> <td>130</td> <td>15.6%</td> <td>1.10 [0.66, 1.84]</td> </tr> <tr> <td>Strnad2016</td> <td>27</td> <td>633</td> <td>32</td> <td>551</td> <td>23.5%</td> <td>0.73 [0.45, 1.21]</td> </tr> <tr> <td>Vaidya 2014</td> <td>37</td> <td>1721</td> <td>51</td> <td>1730</td> <td>34.9%</td> <td>0.73 [0.48, 1.11]</td> </tr> <tr> <td>Veronesi 2013</td> <td>34</td> <td>651</td> <td>31</td> <td>654</td> <td>21.2%</td> <td>1.10 [0.69, 1.77]</td> </tr> <tr> <td><b>Total (95% CI)</b></td> <td></td> <td><b>3393</b></td> <td></td> <td><b>3325</b></td> <td><b>100.0%</b></td> <td><b>0.84 [0.67, 1.06]</b></td> </tr> <tr> <td colspan="2">Total events</td> <td>124</td> <td>144</td> <td colspan="3"></td> </tr> <tr> <td colspan="7">Heterogeneity: Chi<sup>2</sup> = 5.84, df = 4 (P = 0.21); I<sup>2</sup> = 31%</td> </tr> <tr> <td colspan="7">Test for overall effect: Z = 1.47 (P = 0.14)</td> </tr> </tbody> </table>				Study or Subgroup	PBI/APBI		WBRT		Weight	Risk Ratio M-H, Fixed, 95% CI	Events	Total	Events	Total	Livi2015	1	260	7	260	4.8%	0.14 [0.02, 1.15]	Polgar 2013	25	128	23	130	15.6%	1.10 [0.66, 1.84]	Strnad2016	27	633	32	551	23.5%	0.73 [0.45, 1.21]	Vaidya 2014	37	1721	51	1730	34.9%	0.73 [0.48, 1.11]	Veronesi 2013	34	651	31	654	21.2%	1.10 [0.69, 1.77]	<b>Total (95% CI)</b>		<b>3393</b>		<b>3325</b>	<b>100.0%</b>	<b>0.84 [0.67, 1.06]</b>	Total events		124	144				Heterogeneity: Chi <sup>2</sup> = 5.84, df = 4 (P = 0.21); I <sup>2</sup> = 31%							Test for overall effect: Z = 1.47 (P = 0.14)						
Study or Subgroup	PBI/APBI		WBRT		Weight		Risk Ratio M-H, Fixed, 95% CI																																																																								
	Events	Total	Events	Total																																																																											
Livi2015	1	260	7	260	4.8%	0.14 [0.02, 1.15]																																																																									
Polgar 2013	25	128	23	130	15.6%	1.10 [0.66, 1.84]																																																																									
Strnad2016	27	633	32	551	23.5%	0.73 [0.45, 1.21]																																																																									
Vaidya 2014	37	1721	51	1730	34.9%	0.73 [0.48, 1.11]																																																																									
Veronesi 2013	34	651	31	654	21.2%	1.10 [0.69, 1.77]																																																																									
<b>Total (95% CI)</b>		<b>3393</b>		<b>3325</b>	<b>100.0%</b>	<b>0.84 [0.67, 1.06]</b>																																																																									
Total events		124	144																																																																												
Heterogeneity: Chi <sup>2</sup> = 5.84, df = 4 (P = 0.21); I <sup>2</sup> = 31%																																																																															
Test for overall effect: Z = 1.47 (P = 0.14)																																																																															
		コメント: 有意差なし																																																																													
<b>Funnel plot</b>																																																																															
		コメント:																																																																													
<b>その他の解析</b>					コメント:																																																																										
メタリグレーション																																																																															
感度分析																																																																															