## Secondary alveolar bone grafting in patients with cleft lip and palate

### Certainty assessment

<table>
<thead>
<tr>
<th>No of participants (studies) Follow-up</th>
<th>Risk of bias</th>
<th>Inconsistency</th>
<th>Indirectness</th>
<th>Imprecision</th>
<th>Publication bias</th>
<th>Overall certainty of evidence</th>
<th>Summary of findings</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td></td>
<td>Study event rates (%)</td>
<td>Relative effect (95% CI)</td>
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<td>With Iliac crest</td>
<td>With BMP-2</td>
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</tbody>
</table>

### Bone volume (follow up: 6 months)

35 (3 RCTs)  
Serious a  
Not serious  
Not serious  
Not serious  
None  
MODERATE  
17  
18  
-  
The mean bone volume ranged from **48-76 %**  
MD **14.41 % fewer**  
(22.39 fewer to 6.42 fewer)

### Bone volume (follow up: 12 months)

49 (3 RCTs)  
Serious a  
Not serious  
Not serious  
Not serious  
None  
MODERATE  
26  
23  
-  
The mean bone volume ranged from **66-80 %**  
MD **6.22 % more**  
(15.96 fewer to 28.42 more)

### Bone height (follow up: 6 months)

28 (2 RCTs)  
Serious a  
Not serious  
Not serious  
Not serious  
None  
MODERATE  
14  
14  
-  
The mean bone height ranged from **64-83 %**  
MD **18.73 % fewer**  
(43.56 fewer to 6.08 more)

### Bone height (follow up: 12 months)

49 (3 RCTs)  
Serious a  
Not serious  
Not serious  
Not serious  
None  
MODERATE  
26  
23  
-  
The mean bone height ranged from **64-86 %**  
MD **4.4 % fewer**  
(30.63 fewer to 21.83 more)

### Hospital stay

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**CI:** Confidence interval; **MD:** Mean difference

**Explanations**

a. All the studies are assessed as being at high risk of bias. Random sequence generation: All the studies mentioned random allocation but none mentioned the detail of sequence generation. Thus, the sequence generation was not clear. Allocation concealment: None of the included studies had clearly described the allocation concealment.

Blinding of participants and personnel: None of the studies mentioned whether the surgeon or participants were blinded, so blinding was also considered to be unknown. Blinding of outcome assessment: None of the studies mentioned blinding of outcome assessors.

Incomplete outcome data: From all the studies, there were no reported drop outs.

Selective reporting: In Dickinson 2008 some of the variables mentioned in “materials and methods” were not fully reported in “results”. Other bias: We did not find any other source of bias.