

Additional file 2. GRADE evidence profile

<b>Secondary alveolar bone grafting in patients with cleft lip and palate</b>											
<b>Certainty assessment</b>							<b>Summary of findings</b>				
<b>No of participants (studies) Follow-up</b>	<b>Risk of bias</b>	<b>Inconsistency</b>	<b>Indirectness</b>	<b>Imprecision</b>	<b>Publication bias</b>	<b>Overall certainty of evidence</b>	<b>Study event rates (%)</b>		<b>Relative effect (95% CI)</b>	<b>Anticipated absolute effects</b>	
							<b>With Iliac crest</b>	<b>With BMP-2</b>		<b>Risk with Iliac crest</b>	<b>Risk difference with BMP-2</b>
<b>Bone volume (follow up: 6 months)</b>											
35 (3 RCTs)	serious a	not serious	not serious	not serious	none	⊕⊕⊕○ MODERATE	17	18	-	The mean bone volume ranged from <b>48-76</b> %	MD <b>14.41 % fewer</b> (22.39 fewer to 6.42 fewer)
<b>Bone volume (follow up: 12 months)</b>											
49 (3 RCTs)	serious a	not serious	not serious	not serious	none	⊕⊕⊕○ MODERATE	26	23	-	The mean bone volume ranged from <b>66-80</b> %	MD <b>6.22 % more</b> (15.96 fewer to 28.42 more)
<b>Bone height (follow up: 6 months)</b>											
28 (2 RCTs)	serious a	not serious	not serious	not serious	none	⊕⊕⊕○ MODERATE	14	14	-	The mean bone height ranged from <b>64-83</b> %	MD <b>18.73 % fewer</b> (43.56 fewer to 6.08 more)
<b>Bone height (follow up: 12 months)</b>											
49 (3 RCTs)	serious a	not serious	not serious	not serious	none	⊕⊕⊕○ MODERATE	26	23	-	The mean bone height ranged from <b>64-86</b> %	MD <b>4.4 % fewer</b> (30.63 fewer to 21.83 more)
<b>Hospital stay</b>											

**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.