

**Question:** Should BPD/DS vs. RYGB be used for weight loss?

Certainty assessment							N <sub>o</sub> of patients		Effect		Certainty	Importance
N <sub>o</sub> of studies	Study design	Risk of bias	Inconsistency	Indirectness	Imprecision	Other considerations	BPD/DS	RYGB	Relative (95% CI)	Absolute (95% CI)		
<b>3 year weight loss</b>												
2	randomised trials	not serious	very serious	serious <sup>a</sup>	very serious <sup>b</sup>	none	44	43	-	MD <b>14.97 higher</b> (12.21 lower to 42.15 higher)	⊕○○○ VERY LOW	CRITICAL
<b>30-day morbidity</b>												
3	randomised trials	not serious <sup>c</sup>	serious <sup>a</sup>	serious <sup>a</sup>	very serious <sup>b</sup>	all plausible residual confounding would reduce the demonstrated effect	17/66 (25.8%)	12/80 (15.0%)	<b>OR 2.24</b> (0.67 to 7.55)	<b>133 more per 1.000</b> (from 44 fewer to 421 more)	⊕○○○ VERY LOW	CRITICAL
<b>Long term morbidity</b>												
2	randomised trials	not serious	not serious	serious <sup>a</sup>	serious <sup>d</sup>	none	13/49 (26.5%)	6/55 (10.9%)	<b>OR 3.38</b> (1.14 to 10.05)	<b>184 more per 1.000</b> (from 13 more to 443 more)	⊕⊕○○ LOW	CRITICAL
<b>30-day mortality</b>												
2	randomised trials	not serious	not serious	serious <sup>a,b</sup>	very serious <sup>b</sup>	none	1/44 (2.3%)	0/43 (0.0%)	<b>RR 0.02</b> (-0.05 to 0.10)	<b>0 fewer per 1.000</b> (from 90 fewer to 90 more)	⊕○○○ VERY LOW	CRITICAL
<b>T2DM remission</b>												
2	randomised trials	not serious <sup>a,d</sup>	not serious <sup>a,d</sup>	serious <sup>a,b</sup>	very serious <sup>b</sup>	very strong association <sup>a,d</sup>	43/44 (97.7%)	34/43 (79.1%)	<b>OR 8.06</b> (1.35 to 48.14)	<b>178 more per 1.000</b> (from 45 more to 204 more)	⊕⊕⊕○ MODERATE	IMPORTANT
<b>Hypertension remission</b>												

1	randomised trials	not serious	not serious	serious <sup>a,b</sup>	very serious <sup>b</sup>	none	17/20 (85.0%)	16/20 (80.0%)	<b>OR 1.42</b> (0.27 to 7.34)	<b>50 more per 1.000</b> (from 281 fewer to 167 more)	⊕○○○ VERY LOW	IMPORTANT
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#### Dyslipidemia remission

1	randomised trials	not serious	not serious	serious <sup>a</sup>	very serious <sup>b</sup>	none	18/20 (90.0%)	17/20 (85.0%)	<b>OR 1.59</b> (0.24 to 10.70)	<b>50 more per 1.000</b> (from 274 fewer to 134 more)	⊕○○○ VERY LOW	IMPORTANT
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#### Iron deficiency anemia

2	randomised trials	not serious	not serious	serious <sup>a</sup>	very serious <sup>b</sup>	none	4/44 (9.1%)	5/43 (11.6%)	<b>OR 0.76</b> (0.19 to 3.04)	<b>25 fewer per 1.000</b> (from 92 fewer to 169 more)	⊕○○○ VERY LOW	IMPORTANT
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#### Hypoalbuminemia

2	randomised trials	not serious	not serious	serious <sup>a</sup>	very serious <sup>b</sup>	none	2/44 (4.5%)	0/43 (0.0%)	<b>OR 0.05</b> (-0.04 to 0.13)	<b>0 fewer per 1.000</b> (from 0 fewer to 0 fewer)	⊕○○○ VERY LOW	IMPORTANT
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#### Overall Mortality

1	randomised trials	very serious <sup>c</sup>	very serious <sup>c</sup>	very serious <sup>b,c</sup>	very serious <sup>b,c</sup>	publication bias strongly suspected <sup>b,c</sup>	1/24 (4.2%)	0/23 (0.0%)	<b>OR 0.04</b> (-0.07 to 0.15)	<b>0 fewer per 1.000</b> (from 0 fewer to 0 fewer)	⊕○○○ VERY LOW	CRITICAL
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#### Weight Regain

1	randomised trials	not serious b,c	not serious	not serious	very serious <sup>c</sup>	none	0/24 (0.0%)	0/23 (0.0%)	<b>OR 0.00</b> (-0.08 to 0.08)	-- per <b>1.000</b> (from 0 fewer to 0 fewer)	⊕⊕○○ LOW	IMPORTANT
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**CI:** Confidence interval; **MD:** Mean difference; **OR:** Odds ratio; **RR:** Risk ratio