HDDT compared to BQT for Hp infection

Certainty assessment							Summary of findings				
Participants (studies) Follow-up	Risk of bias	Inconsistency	Indirectness	Imprecision	Publication bias	Overall certainty of evidence	Study event rates (%)		Relative effect (95% CI)	Anticipated absolute effects	
							With BQT	With HDDT		Risk with BQT	Risk difference with HDDT
Eradication rate - Total											
1903 (6 RCTs)	serious[a]	not serious	not serious	not serious	none	⨁⨁⨁◯ Moderate	809/953 (84.9%)	840/950 (88.4%)	**RR 1.04** (1.01 to 1.08)	849 per 1,000	**34 more per 1,000** (from 8 more to 68 more)
Adverse events - Dizziness											
402 (2 RCTs)	serious[b]	not serious	not serious	very serious[c]	none	⨁◯◯◯ Very low	1/203 (0.5%)	1/199 (0.5%)	**RR 1.02** (0.14 to 7.18)	5 per 1,000	**0 fewer per 1,000** (from 4 fewer to 30 more)
Adverse events - Skin rash											
402 (2 RCTs)	serious[b]	not serious	not serious	very serious[c]	none	⨁◯◯◯ Very low	1/203 (0.5%)	0/199 (0.0%)	**RR 0.34** (0.01 to 8.24)	5 per 1,000	**3 fewer per 1,000** (from 5 fewer to 36 more)
Adverse events - Abdominal pain											
176 (1 RCT)	serious[a]	not serious	not serious	very serious[c]	none	⨁◯◯◯ Very low	1/89 (1.1%)	0/87 (0.0%)	**RR 0.34** (0.01 to 8.26)	11 per 1,000	**7 fewer per 1,000** (from 11 fewer to 82 more)
Adverse events - Nausea											
402 (2 RCTs)	serious[b]	not serious	not serious	very serious[c]	none	⨁◯◯◯ Very low	3/203 (1.5%)	3/199 (1.5%)	**RR 1.02** (0.23 to 4.43)	15 per 1,000	**0 fewer per 1,000** (from 11 fewer to 51 more)
Adverse events - Diarrhea											

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Certainty assessment							Summary of findings				
402 (2 RCTs)	serious[b]	not serious	not serious	very serious[c]	none	⨁◯◯◯ Very low	1/203 (0.5%)	3/199 (1.5%)	**RR 2.38** (0.36 to 15.97)	5 per 1,000	**7 more per 1,000** (from 3 fewer to 74 more)

Adverse events - Taste distortion

226 (1 RCT)	serious[b]	not serious	not serious	very serious[d]	none	⨁◯◯◯ Very low	14/114 (12.3%)	0/112 (0.0%)	**RR 0.04** (0.00 to 0.58)	123 per 1,000	**118 fewer per 1,000** (from 52 fewer to --)

Adverse events - Discontinued drugs because of adverse events

232 (1 RCT)	serious[b]	not serious	not serious	very serious[c]	none	⨁◯◯◯ Very low	2/116 (1.7%)	0/116 (0.0%)	**RR 0.20** (0.01 to 4.12)	17 per 1,000	**14 fewer per 1,000** (from 17 fewer to 54 more)

Adverse events - Palpitation

176 (1 RCT)	serious[a]	not serious	not serious	very serious[c]	none	⨁◯◯◯ Very low	0/89 (0.0%)	1/87 (1.1%)	**RR 3.07** (0.13 to 74.30)	0 per 1,000	**0 fewer per 1,000** (from 0 fewer to 0 fewer)

CI: confidence interval; **RR:** risk ratio

Explanations

a. Downgraded by one level due to ROB: the study had unclear risk of bias in most of the risk domains
b. Downgraded by one level due to ROB: one study had high risk of bias in blind domain
c. Downgraded by two levels due to imprecision: wide confidence interval and very low event rate.
d. Downgraded by two level due to imprecision: very low event rate.