

Appendix 2 Network meta-analysis: inconsistency analysis and node-splitting analysis for total number of women cured or improved

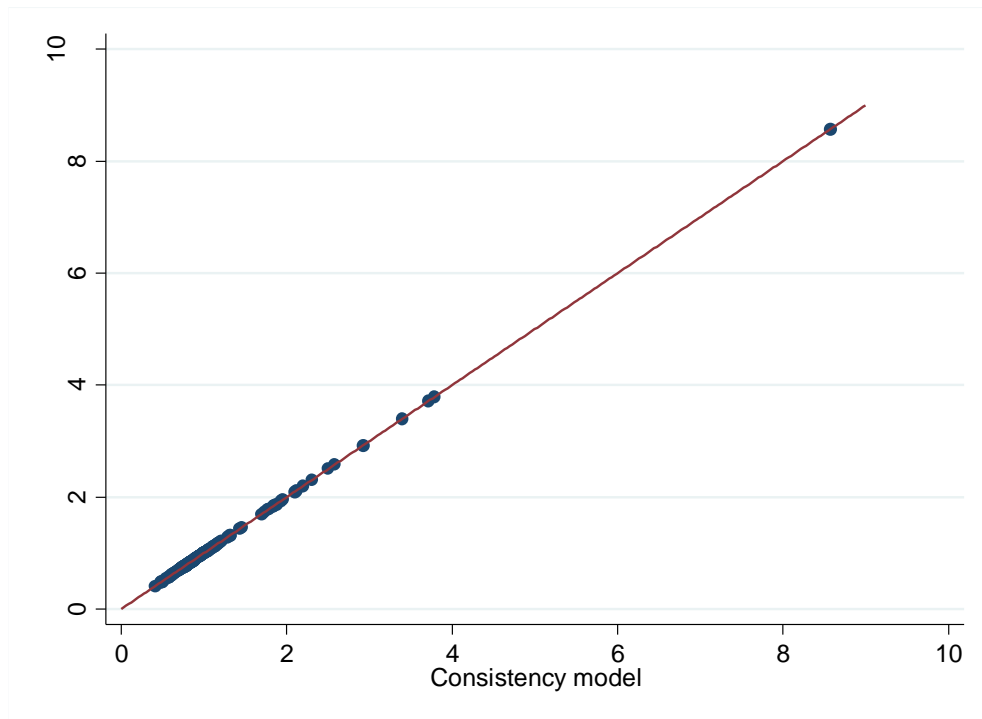


Figure 1 Plot of the individual data points' posterior mean deviance contributions for the consistency and inconsistency model along with the line of equality for the number of women cured

Table 1 Summary of node splitting analysis for cure of incontinence symptoms on the log scale

	NMA		Direct		Indirect		Inconsistency estimate		P
	median	95% CrI	median	95% CrI	median	95% CrI	median	95% CrI	
Transob MUS vs retro MUS	-0.304	(-0.532, -0.080)	-0.240	(-0.485, 0.006)	-0.658	(-1.224, -0.102)	0.417	(-0.182, 1.035)	0.170
Open colpo vs retro MUS	-0.159	(-0.609, 0.281)	-0.036	(-0.586, 0.522)	-0.370	(-1.134, 0.382)	0.335	(-0.593, 1.270)	0.476
Lap colpo vs retro MUS	-0.545	(-1.157, 0.045)	-1.057	(-2.406, 0.182)	-0.409	(-1.088, 0.274)	-0.652	(-2.171, 0.780)	0.370
Trad sling vs retro MUS	0.059	(-0.473, 0.613)	-0.061	(-0.638, 0.531)	0.945	(-0.574, 2.696)	-1.007	(-2.823, 0.630)	0.230
Single incision vs retro MUS	-0.686	(-1.022, -0.358)	-0.948	(-1.534, -0.383)	-0.543	(-0.954, -0.145)	-0.406	(-1.109, 0.294)	0.250
Open colpo vs transob MUS	0.145	(-0.332, 0.619)	-0.127	(-1.658, 1.371)	0.174	(-0.330, 0.679)	-0.300	(-1.914, 1.284)	0.708
Trad sling vs transob MUS	0.363	(-0.206, 0.962)	0.901	(-1.913, 4.506)	0.353	(-0.238, 0.964)	0.547	(-2.333, 4.198)	0.720
Single incision vs transob MUS	-0.380	(-0.672, -0.098)	-0.343	(-0.666, -0.023)	-0.513	(-1.191, 0.148)	0.170	(-0.559, 0.915)	0.652
Anterior repair vs transob MUS	-0.775	(-1.580, 0.023)	-0.723	(-2.313, 0.825)	-1.359	(-2.202, -0.531)	0.634	(-1.162, 2.412)	0.482
PFMT vs transob MUS	-1.211	(-1.953, -0.473)	-1.623	(-2.756, -0.496)	-2.610	(-5.073, -0.546)	1.000	(-1.358, 3.685)	0.420
Lap colpo vs open colpo	-1.813	(-2.817, -0.847)	-0.315	(-0.811, 0.185)	-0.952	(-2.358, 0.378)	0.640	(-0.779, 2.125)	0.380
Trad sling vs open colpo	-0.388	(-0.857, 0.077)	1.320	(-0.088, 2.986)	-0.060	(-0.786, 0.665)	1.388	(-0.199, 3.180)	0.088
Bladder neck needle vs open colpo	0.218	(-0.420, 0.895)	-0.909	(-1.619, -0.208)	0.264	(-3.859, 4.079)	-1.171	(-5.064, 3.008)	0.530
Anterior repair vs open colpo	-1.356	(-1.983, -0.739)	-1.531	(-2.245, -0.850)	-0.815	(-2.497, 0.820)	-0.716	(-2.487, 1.096)	0.424
PFMT vs open colpo	-1.957	(-3.018, -0.940)	-2.697	(-5.173, -0.661)	-1.734	(-2.977, -0.499)	-0.979	(-3.699, 1.425)	0.434
Bladder neck needle vs trad sling	-1.141	(-2.067, -0.237)	0.008	(-3.834, 3.861)	-1.239	(-2.205, -0.316)	1.247	(-2.678, 5.221)	0.506
Anterior vaginal repair vs bladder neck needle	-0.437	(-1.190, 0.304)	-0.162	(-1.060, 0.737)	-0.784	(-1.900, 0.313)	0.621	(-0.729, 1.992)	0.368

P: Bayesian p-value

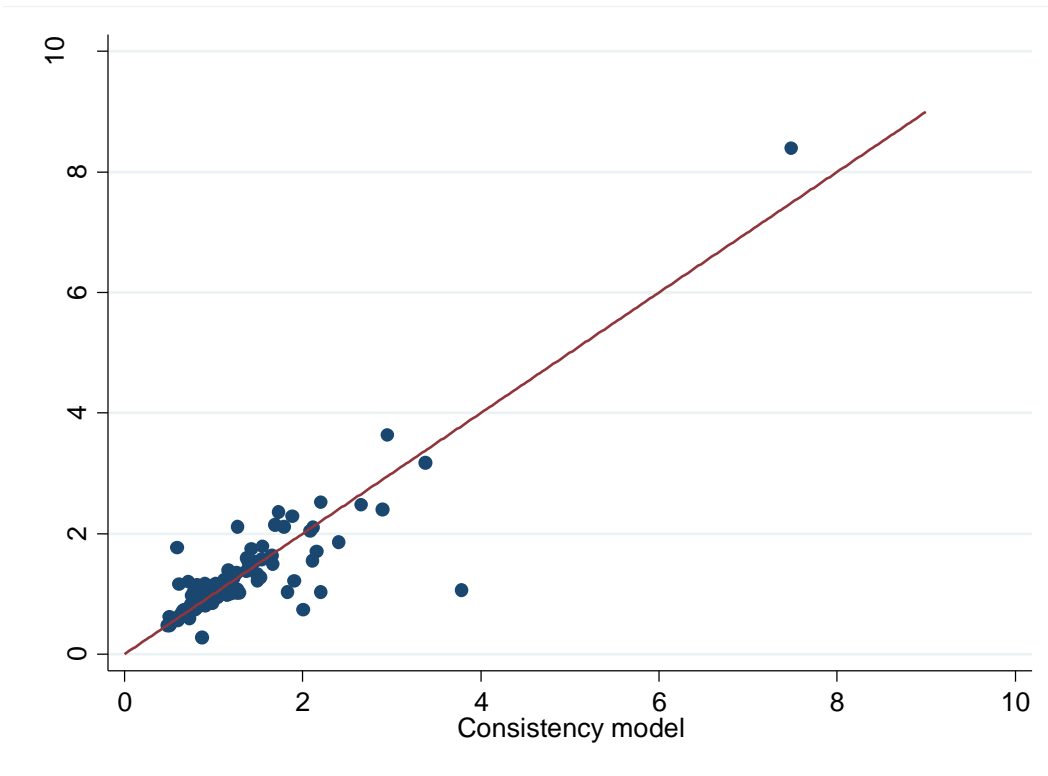


Figure 2 Plot of the individual data point's posterior mean deviance contributions for the consistency and inconsistency model along with the line of equality for the number of women improved

Table 2 Summary of node splitting analysis for improvement of incontinence symptoms on the log scale

	NMA		Direct		Indirect		Inconsistency estimate		median
	median	95% CrI	median	95% CrI	median		median	95% CrI	
Transob MUS vs retro MUS	-0.279	(-0.532, -0.023)	-0.236	(-0.513, 0.043)	-0.460	(-1.070, 0.134)	0.223	(-0.426, 0.888)	0.498
Open colpo vs retro MUS	-0.436	(-0.894, 0.021)	-0.152	(-0.750, 0.464)	-0.806	(-1.536, -0.104)	0.655	(-0.265, 1.611)	0.160
Lap colpo vs retro MUS	-0.653	(-1.230, -0.092)	-0.761	(-1.633, 0.093)	-0.575	(-1.349, 0.201)	-0.187	(-1.350, 0.974)	0.750
Trad sling vs retro MUS	-0.372	(-0.947, 0.230)	-0.405	(-1.101, 0.297)	-0.265	(-1.345, 0.867)	-0.141	(-1.466, 1.151)	0.828
Single incision vs retro MUS	-0.688	(-1.050, -0.340)	-1.118	(-1.806, -0.456)	-0.498	(-0.921, -0.076)	-0.618	(-1.419, 0.155)	0.116
Open colpo vs transob MUS	-0.158	(-0.662, 0.347)	-0.113	(-1.785, 1.524)	-0.160	(-0.683, 0.372)	0.043	(-1.697, 1.762)	0.960
Trad sling vs transob MUS	-0.094	(-0.707, 0.540)	0.924	(-2.022, 4.706)	-0.134	(-0.761, 0.512)	1.057	(-1.947, 4.900)	0.498
Single incision vs transob MUS	-0.410	(-0.712, -0.115)	-0.366	(-0.704, -0.040)	-0.657	(-1.408, 0.081)	0.290	(-0.526, 1.101)	0.478
Anterior repair vs transob MUS	-1.442	(-2.253, -0.641)	-0.013	(-1.842, 1.825)	-1.775	(-2.662, -0.902)	1.762	(-0.283, 3.806)	0.088
PFMT vs transob MUS	-0.580	(-1.662, 0.575)	-1.712	(-2.925, -0.506)	2.346	(0.321, 4.583)	-4.060	(-6.629, -1.701)	0.002
Lap colpo vs open colpo	-0.217	(-0.722, 0.271)	-0.174	(-0.747, 0.392)	-0.379	(-1.391, 0.624)	0.203	(-0.946, 1.357)	0.728
Trad sling vs open colpo	0.063	(-0.614, 0.767)	1.383	(-0.094, 3.158)	-0.318	(-1.093, 0.455)	1.709	(0.047, 3.611)	0.044
Bladder neck needle vs open colpo	-0.962	(-1.697, -0.216)	-0.971	(-1.774, -0.190)	0.105	(-3.731, 4.202)	-1.078	(-5.268, 2.843)	0.566
Anterior repair vs open colpo	-1.286	(-1.976, -0.607)	-1.571	(-2.336, -0.841)	0.268	(-1.636, 2.208)	-1.846	(-3.921, 0.196)	0.076
PFMT vs open colpo	-0.419	(-1.545, 0.772)	2.342	(0.376, 4.511)	-1.723	(-3.036, -0.430)	4.080	(1.679, 6.591)	<0.001
Single incision vs trad sling	-0.317	(-0.986, 0.327)	0.676	(-0.911, 2.298)	-0.518	(-1.247, 0.196)	1.192	(-0.552, 3.004)	0.178
Bladder neck needle vs trad sling	-1.026	(-2.019, -0.056)	-0.007	(-3.975, 3.989)	-1.117	(-2.145, -0.098)	1.106	(-2.974, 5.199)	0.558
Anterior vaginal repair vs bladder neck needle	-0.322	(-1.168, 0.489)	-0.141	(-1.156, 0.882)	-0.482	(-1.712, 0.736)	0.340	(-1.177, 1.881)	0.654