

TABLE 26 Base case for 25-year-old population

Reasons for referral	Borderline ± HPV			Mild ± HPV			Moderate			Severe		
	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER
Colposcopy vs DySIS alone												
Colposcopy	965.17	21.32695		999.32	21.32080		1144.33	21.33156		1839.20	21.32908	
DySIS alone	944.25	21.33399	Dominant	975.08	21.32849	Dominant	1113.10	21.33951	Dominant	1824.06	21.33415	Dominant
Colposcopy vs DySIS ± colposcopy												
Colposcopy	965.17	21.32695		999.32	21.32080		1144.33	21.33156		1839.20	21.32908	
DySIS + colposcopy	913.72	21.34142	Dominant	940.92	21.33651	Dominant	1073.04	21.34758	Dominant	1800.32	21.33957	Dominant

Reasons for referral	Possible invasion			Possible glandular neoplasia			3 × inadequate			Whole population		
	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER
Colposcopy vs DySIS alone												
Colposcopy	6553.69	21.21916		3295.20	21.30126		698.63	21.37129		1163.85	21.32478	
DySIS alone	6554.97	21.22054	936.51	3300.39	21.30241	4512.07	703.80	21.37167	13,614.43	1141.70	21.33181	Dominant
Colposcopy vs DySIS ± colposcopy												
Colposcopy	6553.69	21.21916		3295.20	21.30126		698.63	21.37129		1163.85	21.32478	
DySIS + colposcopy	6549.45	21.22196	Dominant	3298.06	21.30352	1263.24	702.46	21.37208	4831.73	1110.09	21.33916	Dominant

TABLE 27 Base case for 45-year-old population

Reasons for referral	Borderline ± HPV			Mild ± HPV			Moderate			Severe		
	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER
Colposcopy vs DySIS alone												
Colposcopy	1108.59	18.82101		1150.71	18.81143		1000.90	18.88313		1634.45	18.89695	
DySIS alone	1081.70	18.82948	Dominant	1118.01	18.82115	Dominant	963.15	18.89276	Dominant	1619.08	18.90193	Dominant
Colposcopy vs DySIS ± colposcopy												
Colposcopy	1108.59	18.82101		1150.71	18.81143		1000.90	18.88313		1634.45	18.89695	
DySIS + colposcopy	1047.91	18.83758	Dominant	1079.19	18.83029	Dominant	920.38	18.90184	Dominant	1596.20	18.90722	Dominant

Reasons for referral	Possible invasion			Possible glandular neoplasia			3 × inadequate			Whole population		
	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER
Colposcopy vs DySIS alone												
Colposcopy	6379.56	18.79176		3196.85	18.85120		641.23	18.90737		1227.57	18.83484	
DySIS alone	6380.67	18.79308	845.83	3199.83	18.85291	1750.91	643.86	18.90845	2447.07	1199.32	18.84333	Dominant
Colposcopy vs DySIS ± colposcopy												
Colposcopy	6379.56	18.79176		3196.85	18.85120		641.23	18.90737		1227.57	18.83484	
DySIS + colposcopy	6375.57	18.79446	Dominant	3196.22	18.85445	Dominant	640.79	18.90943	Dominant	1164.59	18.85144	Dominant

TABLE 28 Base case and duration of the HRQoL decrement as a result of cancer for stages 2–4 is 1 year

Reasons for referral	Borderline ± HPV			Mild ± HPV			Moderate			Severe		
	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER
Colposcopy vs DySIS alone												
Colposcopy	1188.55	20.40410		1223.09	20.39744		1106.85	20.45306		1754.00	20.46002	
DySIS alone	1163.45	20.41157	Dominant	1192.53	20.40593	Dominant	1071.80	20.46151	Dominant	1739.28	20.46472	Dominant
Colposcopy vs DySIS ± colposcopy												
Colposcopy	1188.55	20.40410		1223.09	20.39744		1106.85	20.45306		1754.00	20.46002	
DySIS + colposcopy	1131.10	20.41849	Dominant	1155.54	20.41364	Dominant	1031.45	20.46945	Dominant	1716.98	20.46970	Dominant
Colposcopy vs DySIS alone												
Colposcopy	6500.85	20.34764		3313.68	20.41413		753.02	20.47584		1313.59	20.41449	
DySIS alone	6501.71	20.34909	597.21	3316.53	20.41595	1563.64	755.20	20.47711	1720.37	1287.18	20.42199	Dominant
Colposcopy vs DySIS ± colposcopy												
Colposcopy	6500.85	20.34764		3313.68	20.41413		753.02	20.47584		1313.59	20.41449	
DySIS + colposcopy	6496.13	20.35057	Dominant	3312.33	20.41758	Dominant	751.27	20.47824	Dominant	1254.00	20.42897	Dominant

TABLE 29 Base case and duration of the HRQoL decrement as a result of cancer for stages 2–4 is 3 years

Reasons for referral	Borderline ± HPV			Mild ± HPV			Moderate			Severe		
	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER
Colposcopy vs DySIS alone												
Colposcopy	1188.55	20.40342		1223.09	20.39673		1106.85	20.45278		1754.00	20.45985	
DySIS alone	1163.45	20.41095	Dominant	1192.53	20.40528	Dominant	1071.80	20.46126	Dominant	1739.28	20.46456	Dominant
Colposcopy vs DySIS ± colposcopy												
Colposcopy	1188.55	20.40342		1223.09	20.39673		1106.85	20.45278		1754.00	20.45985	
DySIS + colposcopy	1131.10	20.41792	Dominant	1155.54	20.41304	Dominant	1031.45	20.46923	Dominant	1716.98	20.46956	Dominant
Colposcopy vs DySIS alone												
Colposcopy	6500.85	20.34747		3313.68	20.41386		753.02	20.47552		1313.59	20.41392	
DySIS alone	6501.71	20.34892	594.81	3316.53	20.41569	1554.12	755.20	20.47681	1703.00	1287.18	20.42147	Dominant
Colposcopy vs DySIS ± colposcopy												
Colposcopy	6500.85	20.34747		3313.68	20.41386		753.02	20.47552		1313.59	20.41392	
DySIS + colposcopy	6496.13	20.35041	Dominant	3312.33	20.41734	Dominant	751.27	20.47795	Dominant	1254.00	20.42849	Dominant

TABLE 30 Base case with cancer treatment costs 50% lower

Reasons for referral	Borderline ± HPV			Mild ± HPV			Moderate			Severe		
	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER
Colposcopy vs DySIS alone												
Colposcopy	966.40	20.40278		995.27	20.39607		938.97	20.45252		1234.26	20.45968	
DySIS alone	958.47	20.41037	Dominant	984.18	20.40468	Dominant	916.53	20.46103	Dominant	1223.92	20.46442	Dominant
Colposcopy vs DySIS ± colposcopy												
Colposcopy	966.40	20.40278		995.27	20.39607		938.97	20.45252		1234.26	20.45968	
DySIS + colposcopy	942.14	20.41738	Dominant	965.17	20.41249	Dominant	887.47	20.46903	Dominant	1205.84	20.46942	Dominant

Reasons for referral	Possible invasion			Possible glandular neoplasia			3×inadequate			Whole population		
	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER
Colposcopy vs DySIS alone												
Colposcopy	3584.46	20.34731		2002.37	20.41361		662.36	20.47523		1032.17	20.41339	
DySIS alone	3586.80	20.34877	1604.90	2008.15	20.41546	3139.49	667.92	20.47653	4291.62	1021.32	20.42098	Dominant
Colposcopy vs DySIS ± colposcopy												
Colposcopy	3584.46	20.34731		2002.37	20.41361		662.36	20.47523		1032.17	20.41339	
DySIS + colposcopy	3582.45	20.35026	Dominant	2006.21	20.41711	1097.27	666.59	20.47768	1726.47	1002.56	20.42805	Dominant

TABLE 31 Base case with cancer treatment costs 50% higher

Reasons for referral	Borderline ± HPV			Mild ± HPV			Moderate			Severe		
	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER
Colposcopy vs DySIS alone												
Colposcopy	1410.71	20.40278		1450.91	20.39607		1274.72	20.45252		2273.73	20.45968	
DySIS alone	1368.43	20.41037	Dominant	1400.88	20.40468	Dominant	1227.07	20.46103	Dominant	2254.65	20.46442	Dominant
Colposcopy vs DySIS ± colposcopy												
Colposcopy	1410.71	20.40278		1450.91	20.39607		1274.72	20.45252		2273.73	20.45968	
DySIS + colposcopy	1320.05	20.41738	Dominant	1345.91	20.41249	Dominant	1175.43	20.46903	Dominant	2228.13	20.46942	Dominant
Colposcopy vs DySIS alone												
Colposcopy	9417.23	20.34731		4625.00	20.41361		843.68	20.47523		1595.01	20.41339	
DySIS alone	9416.62	20.34877	Dominant	4624.91	20.41546	Dominant	842.49	20.47653	Dominant	1553.04	20.42098	Dominant
Colposcopy vs DySIS ± colposcopy												
Colposcopy	9417.23	20.34731		4625.00	20.41361		843.68	20.47523		1595.01	20.41339	
DySIS + colposcopy	9409.82	20.35026	Dominant	4618.45	20.41711	Dominant	835.96	20.47768	Dominant	1505.44	20.42805	Dominant

TABLE 32 Base case with HRQoL estimates of health states from the Sheffield model

Reasons for referral	Borderline ± HPV			Mild ± HPV			Moderate			Severe		
	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER
Colposcopy vs DySIS alone												
Colposcopy	1188.55	22.14086		1223.09	22.10561		1106.85	22.35851		1754.00	22.42003	
DySIS alone	1163.45	22.16328	Dominant	1192.53	22.13149	Dominant	1071.80	22.37952	Dominant	1739.28	22.42820	Dominant
Colposcopy vs DySIS ± colposcopy												
Colposcopy	1188.55	22.14086		1223.09	22.10561		1106.85	22.35851		1754.00	22.42003	
DySIS + colposcopy	1131.10	22.18218	Dominant	1155.54	22.15297	Dominant	1031.45	22.39710	Dominant	1716.98	22.43613	Dominant

Reasons for referral	Possible invasion			Possible glandular neoplasia			3 × inadequate			Whole population		
	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER
Colposcopy vs DySIS alone												
Colposcopy	6500.85	22.27015		3313.68	22.32172		753.02	22.37903		1313.59	22.19236	
DySIS alone	6501.71	22.27313	290.13	3316.53	22.32716	523.91	755.20	22.38439	408.14	1287.18	22.21371	Dominant
Colposcopy vs DySIS ± colposcopy												
Colposcopy	6500.85	22.27015		3313.68	22.32172		753.02	22.37903		1313.59	22.19236	
DySIS + colposcopy	6496.13	22.27571	Dominant	3312.33	22.33125	Dominant	751.27	22.38832	Dominant	1254.00	22.23171	Dominant

TABLE 33 Base case with QALY decrement associated with treatment biopsy increase by 200%

Reasons for referral	Borderline ± HPV			Mild ± HPV			Moderate			Severe		
	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER
Colposcopy vs DySIS alone												
Colposcopy	1188.55	20.40084		1223.09	20.39392		1106.85	20.44768		1754.00	20.45432	
DySIS alone	1163.45	20.40829	Dominant	1192.53	20.40238	Dominant	1071.80	20.45607	Dominant	1739.28	20.45899	Dominant
Colposcopy vs DySIS ± colposcopy												
Colposcopy	1188.55	20.40084		1223.09	20.39392		1106.85	20.44768		1754.00	20.45432	
DySIS + colposcopy	1131.10	20.41522	Dominant	1155.54	20.41010	Dominant	1031.45	20.46398	Dominant	1716.98	20.46396	Dominant

Reasons for referral	Possible invasion			Possible glandular neoplasia			3×inadequate			Whole population		
	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER
Colposcopy vs DySIS alone												
Colposcopy	6500.85	20.34205		3313.68	20.40901		753.02	20.47477		1313.59	20.41055	
DySIS alone	6501.71	20.34346	616.56	3316.53	20.41067	1712.79	755.20	20.47601	1764.17	1287.18	20.41802	Dominant
Colposcopy vs DySIS ± colposcopy												
Colposcopy	6500.85	20.34205		3313.68	20.40901		753.02	20.47477		1313.59	20.41055	
DySIS + colposcopy	6496.13	20.34491	Dominant	3312.33	20.41221	Dominant	751.27	20.47713	Dominant	1254.00	20.42499	Dominant

TABLE 34 Base case with QALY decrement associated with treatment biopsy increase by 500%

Reasons for referral	Borderline ± HPV			Mild ± HPV			Moderate			Severe		
	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER
Colposcopy vs DySIS alone												
Colposcopy	1188.55	20.39502		1223.09	20.38745		1106.85	20.43318		1754.00	20.438212	
DySIS alone	1163.45	20.40208	Dominant	1192.53	20.39550	Dominant	1071.80	20.44118	Dominant	1739.28	20.442729	Dominant
Colposcopy vs DySIS + colposcopy												
Colposcopy	1188.55	20.39502		1223.09	20.38745		1106.85	20.43318		1754.00	20.438212	
DySIS + colposcopy	1131.10	20.40872	Dominant	1155.54	20.40292	Dominant	1031.45	20.44883	Dominant	1716.98	20.447585	Dominant

Reasons for referral	Possible invasion			Possible glandular neoplasia			3 × inadequate			Whole population		
	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER
Colposcopy vs DySIS alone												
Colposcopy	6500.85	20.32628		3313.68	20.39519		753.02	20.47339		1313.59	20.40203	
DySIS alone	6501.71	20.32751	701.70	3316.53	20.39631	2537.73	755.20	20.47446	2044.382	1287.18	20.40912	Dominant
Colposcopy vs DySIS + colposcopy												
Colposcopy	6500.85	20.32628		3313.68	20.39519		753.02	20.47339		1313.59	20.40203	
DySIS + colposcopy	6496.13	20.32885	Dominant	3312.33	20.39749	Dominant	751.27	20.47546	Dominant	1254.00	20.41584	Dominant

TABLE 35 Base case with QALY decrement associated with treatment biopsy increase by 2000%

Reasons for referral	Borderline ± HPV			Mild ± HPV			Moderate			Severe		
	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER
Colposcopy vs DySIS alone												
Colposcopy	1188.55	20.36594		1223.09	20.35512		1106.85	20.36069		1754.00	20.35769	
DySIS alone	1163.45	20.37101	Dominant	1192.53	20.36110	Dominant	1071.80	20.36676	Dominant	1739.28	20.36140	Dominant
Colposcopy vs DySIS ± colposcopy												
Colposcopy	1188.55	20.36594		1223.09	20.35512		1106.85	20.36069		1754.00	20.35769	
DySIS + colposcopy	1131.10	20.37624	Dominant	1155.54	20.36705	Dominant	1031.45	20.37309	Dominant	1716.98	20.36570	Dominant

Reasons for referral	Possible invasion			Possible glandular neoplasia			3 × inadequate			Whole population		
	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER
Colposcopy vs DySIS alone												
Colposcopy	6500.85	20.24743		3313.68	20.32610		753.02	20.46650		1313.59	20.35942	
DySIS alone	6501.71	20.24781	2266.94	3316.53	20.32452	Dominated	755.20	20.46672	9932.82	1287.18	20.36467	Dominant
Colposcopy vs DySIS ± colposcopy												
Colposcopy	6500.85	20.24743		3313.68	20.32610		753.02	20.46650		1313.59	20.35942	
DySIS + colposcopy	6496.13	20.24858	Dominant	3312.33	20.32390	615.66	751.27	20.46715	Dominant	1254.00	20.37008	Dominant

TABLE 36 Base case with QALY decrement associated with cytological screening decreased by 50%

Reasons for referral	Borderline ± HPV			Mild ± HPV			Moderate			Severe		
	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER
Colposcopy vs DySIS alone												
Colposcopy	1188.55	20.40770		1223.09	20.40109		1106.85	20.45770		1754.00	20.46478	
DySIS alone	1163.45	20.41529	Dominant	1192.53	20.40971	Dominant	1071.80	20.46620	Dominant	1739.28	20.46951	Dominant
Colposcopy vs DySIS ± colposcopy												
Colposcopy	1188.55	20.40770		1223.09	20.40109		1106.85	20.45770		1754.00	20.46478	
DySIS + colposcopy	1131.10	20.42232	Dominant	1155.54	20.41752	Dominant	1031.45	20.47420	Dominant	1716.98	20.47452	Dominant

Reasons for referral	Possible invasion			Possible glandular neoplasia			3 × inadequate			Whole population		
	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER
Colposcopy vs DySIS alone												
Colposcopy	6500.85	20.35214		3313.68	20.41860		753.02	20.47977		1313.59	20.41840	
DySIS alone	6501.71	20.35361	590.30	3316.53	20.42046	1527.90	755.20	20.48107	1684.07	1287.18	20.42599	Dominant
Colposcopy vs DySIS ± colposcopy												
Colposcopy	6500.85	20.35214		3313.68	20.41860		753.02	20.47977		1313.59	20.41840	
DySIS + colposcopy	6496.13	20.35510	Dominant	3312.33	20.42214	Dominant	751.27	20.48223	Dominant	1254.00	20.43306	Dominant

TABLE 37 Base case with QALY decrement associated with cytological screening increased by 50%

Reasons for referral	Borderline ± HPV			Mild ± HPV			Moderate			Severe		
	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER
Colposcopy vs DySIS alone												
Colposcopy	1188.55	20.39786		1223.09	20.39105		1106.85	20.44733		1754.00	20.45459	
DySIS alone	1163.45	20.40544	Dominant	1192.53	20.39965	Dominant	1071.80	20.45585	Dominant	1739.28	20.45932	Dominant
Colposcopy vs DySIS ± colposcopy												
Colposcopy	1188.55	20.39786		1223.09	20.39105		1106.85	20.44733		1754.00	20.45459	
DySIS + colposcopy	1131.10	20.41245	Dominant	1155.54	20.40746	Dominant	1031.45	20.46385	Dominant	1716.98	20.46433	Dominant
Colposcopy vs DySIS alone												
Colposcopy	6500.85	20.34248		3313.68	20.40863		753.02	20.47069		1313.59	20.40838	
DySIS alone	6501.71	20.34393	594.91	3316.53	20.41045	1563.18	755.20	20.47198	1690.12	1287.18	20.41597	Dominant
Colposcopy vs DySIS ± colposcopy												
Colposcopy	6500.85	20.34248		3313.68	20.40863		753.02	20.47069		1313.59	20.40838	
DySIS + colposcopy	6496.13	20.34542	Dominant	3312.33	20.41209	Dominant	751.27	20.47313	Dominant	1254.00	20.42303	Dominant

TABLE 38 Base case with alternative cost of colposcope £5000

Reasons for referral	Borderline ± HPV			Mild ± HPV			Moderate			Severe		
	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER
Colposcopy vs DySIS alone												
Colposcopy	1188.55	20.40278		1223.09	20.39607		1106.85	20.45252		1754.00	20.45968	
DySIS alone	1164.87	20.41037	Dominant	1193.97	20.40468	Dominant	1072.84	20.46103	Dominant	1740.22	20.46442	Dominant
Colposcopy vs DySIS ± colposcopy												
Colposcopy	1188.55	20.40278		1223.09	20.39607		1106.85	20.45252		1754.00	20.45968	
DySIS + colposcopy	1132.50	20.41738	Dominant	1156.97	20.41249	Dominant	1032.48	20.46903	Dominant	1717.91	20.46942	Dominant

Reasons for referral	Possible invasion			Possible glandular neoplasia			3 × inadequate			Whole population		
	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER
Colposcopy vs DySIS alone												
Colposcopy	6500.85	20.34731		3313.68	20.41361		753.02	20.47523		1313.59	20.41339	
DySIS alone	6502.64	20.34877	1231.93	3317.57	20.41546	2113.49	756.25	20.47653	2496.60	1288.49	20.42098	Dominant
Colposcopy vs DySIS ± colposcopy												
Colposcopy	6500.85	20.34731		3313.68	20.41361		753.02	20.47523		1313.59	20.41339	
DySIS + colposcopy	6497.07	20.35026	Dominant	3313.37	20.41711	Dominant	752.32	20.47768	Dominant	1255.30	20.42805	Dominant

TABLE 39 Base case with alternative cost of colposcope £20,000

Reasons for referral	Borderline ± HPV			Mild ± HPV			Moderate			Severe		
	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER
Colposcopy vs DySIS alone												
Colposcopy	1188.55	20.40278		1223.09	20.39607		1106.85	20.45252		1754.00	20.45968	
DySIS alone	1160.62	20.41037	Dominant	1189.65	20.40468	Dominant	1069.70	20.46103	Dominant	1737.42	20.46442	Dominant
Colposcopy vs DySIS ± colposcopy												
Colposcopy	1188.55	20.40278		1223.09	20.39607		1106.85	20.45252		1754.00	20.45968	
DySIS + colposcopy	1128.29	20.41738	Dominant	1152.69	20.41249	Dominant	1029.40	20.46903	Dominant	1715.13	20.46942	Dominant

Reasons for referral	Possible invasion			Possible glandular neoplasia			3 × inadequate			Whole population		
	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER
Colposcopy vs DySIS alone												
Colposcopy	6500.85	20.34731		3313.68	20.41361		753.02	20.47523		1313.59	20.41339	
DySIS alone	6499.85	20.34877	Dominant	3314.44	20.41546	409.03	753.11	20.47653	68.06	1284.55	20.42098	Dominant
Colposcopy vs DySIS ± colposcopy												
Colposcopy	6500.85	20.34731		3313.68	20.41361		753.02	20.47523		1313.59	20.41339	
DySIS + colposcopy	6494.27	20.35026	Dominant	3310.24	20.41711	Dominant	749.18	20.47768	Dominant	1251.40	20.42805	Dominant

TABLE 40 Base case with QALY decrement associated with colposcopy decreased by 50%

Reasons for referral	Borderline ± HPV			Mild ± HPV			Moderate			Severe		
	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER
Colposcopy vs DySIS alone												
Colposcopy	1188.55	20.43451		1223.09	20.42871		1106.85	20.48101		1754.00	20.48289	
DySIS alone	1163.45	20.44167	Dominant	1192.53	20.43682	Dominant	1071.80	20.48776	Dominant	1739.28	20.48635	Dominant
Colposcopy vs DySIS ± colposcopy												
Colposcopy	1188.55	20.43451		1223.09	20.42871		1106.85	20.48101		1754.00	20.48289	
DySIS + colposcopy	1131.10	20.44834	Dominant	1155.54	20.44424	Dominant	1031.45	20.49394	Dominant	1716.98	20.48994	Dominant

Reasons for referral	Possible invasion			Possible glandular neoplasia			3 × inadequate			Whole population		
	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER
Colposcopy vs DySIS alone												
Colposcopy	6500.85	20.36794		3313.68	20.43582		753.02	20.49671		1313.59	20.44380	
DySIS alone	6501.71	20.36904	785.56	3316.53	20.43740	1805.23	755.20	20.49786	1891.44	1287.18	20.45068	Dominant
Colposcopy vs DySIS ± colposcopy												
Colposcopy	6500.85	20.36794		3313.68	20.43582		753.02	20.49671		1313.59	20.44380	
DySIS + colposcopy	6496.13	20.37013	Dominant	3312.33	20.43878	Dominant	751.27	20.49890	Dominant	1254.00	20.45708	Dominant

TABLE 41 Base case with QALY decrement associated with colposcopy increased by 50%

Reasons for referral	Borderline ± HPV			Mild ± HPV			Moderate			Severe		
	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER
Colposcopy vs DySIS alone												
Colposcopy	1188.55	20.37105		1223.09	20.36343		1106.85	20.42402		1754.00	20.43648	
DySIS alone	1163.45	20.37906	Dominant	1192.53	20.37253	Dominant	1071.80	20.43429	Dominant	1739.28	20.44248	Dominant
Colposcopy vs DySIS ± colposcopy												
Colposcopy	1188.55	20.37105		1223.09	20.36343		1106.85	20.42402		1754.00	20.43648	
DySIS + colposcopy	1131.10	20.38642	Dominant	1155.54	20.38074	Dominant	1031.45	20.44412	Dominant	1716.98	20.44890	Dominant

Reasons for referral	Possible invasion			Possible glandular neoplasia			3 × inadequate			Whole population		
	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER
Colposcopy vs DySIS alone												
Colposcopy	6500.85	20.32668		3313.68	20.39141		753.02	20.45375		1313.59	20.38297	
DySIS alone	6501.71	20.32850	475.73	3316.53	20.39352	1350.86	755.20	20.45519	1522.59	1287.18	20.39128	Dominant
Colposcopy vs DySIS ± colposcopy												
Colposcopy	6500.85	20.32668		3313.68	20.39141		753.02	20.45375		1313.59	20.38297	
DySIS + colposcopy	6496.13	20.33040	Dominant	3312.33	20.39545	Dominant	751.27	20.45645	Dominant	1254.00	20.39902	Dominant

TABLE 42 Base case with treatment probabilities from Gateshead

Reasons for referral	Borderline ± HPV			Mild ± HPV			Moderate			Severe		
	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER
Colposcopy vs DySIS alone												
Colposcopy	1176.04	20.40786		1198.08	20.40362		1179.92	20.44148		1892.24	20.43299	
DySIS alone	1161.60	20.41317	Dominant	1178.29	20.41010	Dominant	1140.94	20.45098	Dominant	1866.15	20.44091	Dominant
Colposcopy vs DySIS ± colposcopy												
Colposcopy	1176.04	20.40786		1198.08	20.40362		1179.92	20.44148		1892.24	20.43299	
DySIS + colposcopy	1143.04	20.41737	Dominant	1155.94	20.41509	Dominant	1095.63	20.46014	Dominant	1831.49	20.44924	Dominant

Reasons for referral	Possible invasion			Possible glandular neoplasia			3 × inadequate			Whole population		
	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER
Colposcopy vs DySIS alone												
Colposcopy	6556.62	20.33406		3473.10	20.34425		763.53	20.47453		1328.27	20.41249	
DySIS alone	6542.45	20.33909	Dominant	3449.50	20.36138	Dominant	765.23	20.47579	1347.56	1307.50	20.41916	Dominant
Colposcopy vs DySIS ± colposcopy												
Colposcopy	6556.62	20.33406		3473.10	20.34425		763.53	20.47453		1328.27	20.41249	
DySIS + colposcopy	6519.32	20.34465	Dominant	3417.91	20.37928	Dominant	761.26	20.47682	Dominant	1282.26	20.42489	Dominant

TABLE 43 Base case with cancer always identified

Reasons for referral	Borderline ± HPV			Mild ± HPV			Moderate			Severe		
	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER
Colposcopy vs DySIS alone												
Colposcopy	1188.05	20.40555		1222.74	20.39861		1105.71	20.45413		1751.13	20.46183	
DySIS alone	1163.10	20.41222	Dominant	1192.30	20.40635	Dominant	1070.99	20.46209	Dominant	1737.23	20.46593	Dominant
Colposcopy vs DySIS ± colposcopy												
Colposcopy	1188.05	20.40555		1222.74	20.39861		1105.71	20.45413		1751.13	20.46183	
DySIS + colposcopy	1130.90	20.41836	Dominant	1155.42	20.41335	Dominant	1031.00	20.46958	Dominant	1715.83	20.47026	Dominant

Reasons for referral	Possible invasion			Possible glandular neoplasia			3 × inadequate			Whole population		
	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER
Colposcopy vs DySIS alone												
Colposcopy	6499.02	20.34809		3312.84	20.41446		752.93	20.47607		1312.75	20.41583	
DySIS alone	6500.50	20.34930	1224.18	3315.96	20.41604	1980.62	755.14	20.47712	2113.36	1286.59	20.42261	Dominant
Colposcopy vs DySIS ± colposcopy												
Colposcopy	6499.02	20.34809		3312.84	20.41446		752.93	20.47607		1312.75	20.41583	
DySIS + colposcopy	6495.63	20.35052	Dominant	3312.09	20.41742	Dominant	751.24	20.47801	Dominant	1253.67	20.42890	Dominant

TABLE 44 Base case with all negative colposcopic or adjunct results considered clear

Reasons for referral	Borderline ± HPV			Mild ± HPV			Moderate			Severe		
	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER
Colposcopy vs DySIS alone												
Colposcopy	1331.49	20.36499		1381.48	20.35476		1221.53	20.42868		1838.92	20.43904	
DySIS alone	1265.29	20.38427	Dominant	1305.93	20.37600	Dominant	1148.18	20.44599	Dominant	1799.16	20.45025	Dominant
Colposcopy vs DySIS + colposcopy												
Colposcopy	1331.49	20.36499		1381.48	20.35476		1221.53	20.42868		1838.92	20.43904	
DySIS + colposcopy	1191.97	20.40209	Dominant	1223.83	20.39546	Dominant	1073.21	20.46119	Dominant	1752.36	20.4613	Dominant

Reasons for referral	Possible invasion			Possible glandular neoplasia			3 × inadequate			Whole population		
	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER
Colposcopy vs DySIS alone												
Colposcopy	6533.29	20.33907		3365.49	20.40032		772.31	20.46845		1449.69	20.37859	
DySIS alone	6525.37	20.34281	Dominant	3355.40	20.40571	Dominant	769.69	20.47158	Dominant	1383.67	20.39707	Dominant
Colposcopy vs DySIS + colposcopy												
Colposcopy	6533.29	20.33907		3365.49	20.40032		772.31	20.46845		1449.69	20.37859	
DySIS + colposcopy	6510.35	20.3467	Dominant	3340.27	20.41036	Dominant	761.23	20.47444	Dominant	1311.40	20.41408	Dominant

TABLE 45 Base case with true disease state defined as biopsy if available, otherwise colposcopy

Reasons for referral	Borderline ± HPV			Mild ± HPV			Moderate			Severe		
	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER
Colposcopy vs DySIS alone												
Colposcopy	1188.55	20.40278		1223.09	20.39607		1093.34	20.45297		1685.18	20.46132	
DySIS alone	1163.45	20.41037	Dominant	1192.53	20.40468	Dominant	1058.55	20.46145	Dominant	1670.33	20.46607	Dominant
Colposcopy vs DySIS ± colposcopy												
Colposcopy	1188.55	20.40278		1223.09	20.39607		1093.34	20.45297		1685.18	20.46132	
DySIS + colposcopy	1131.10	20.41738	Dominant	1155.54	20.41249	Dominant	1018.64	20.46938	Dominant	1648.01	20.47106	Dominant

Reasons for referral	Possible invasion			Possible glandular neoplasia			3 × inadequate			Whole population		
	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER	Costs (£)	QALYs	ICER
Colposcopy vs DySIS alone												
Colposcopy	7270.45	20.32908		2812.53	20.43029		617.79	20.49966		1301.90	20.41373	
DySIS alone	7271.47	20.33047	735.93	2816.00	20.43198	2061.22	623.12	20.49989	23,387.08	1275.51	20.42132	Dominant
Colposcopy vs DySIS ± colposcopy												
Colposcopy	7270.45	20.32908		2812.53	20.43029		617.79	20.49966		1301.90	20.41373	
DySIS + colposcopy	7266.16	20.33188	Dominant	2812.60	20.43347	22.04	622.44	20.50018	8950.63	1242.38	20.42837	Dominant