Appendix K

Additional analysis for the economic model - PCI vs. CABG

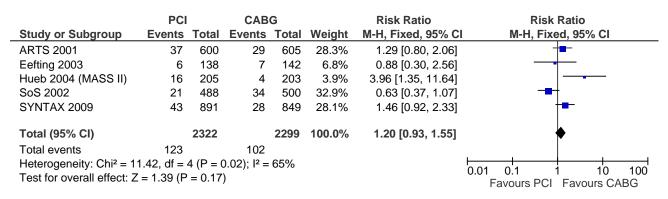
1. Free of angina - 6 months

	PCI		CAB	G		Risk Ratio	Risk Ratio
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% (M-H, Fixed, 95% CI
Unger 2003 (ARTS)	119	138	121	142	100.0%	1.01 [0.92, 1.11]	•
Total (95% CI)		138		142	100.0%	1.01 [0.92, 1.11]	•
Total events Heterogeneity: Not app Test for overall effect:		P = 0.8	121 1)			F	0.01 0.1 1 10 100 avours experimental Favours control

2. Death (all causes) - 1 year

	PCI		CAB	G		Risk Ratio	Risk Ratio
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% C	M-H, Fixed, 95% CI
ARTS 2001	15	600	17	605	26.2%	0.89 [0.45, 1.77]	-
Eefting 2003	0	138	4	142	6.9%	0.11 [0.01, 2.10]	-
Hueb 2004 (MASS II)	9	205	8	203	12.4%	1.11 [0.44, 2.83]	
LEMANS 2008	1	52	0	52	0.8%	3.00 [0.13, 71.99]	
SoS 2002	12	488	4	500	6.1%	3.07 [1.00, 9.46]	
SYNTAX 2009	39	891	30	849	47.6%	1.24 [0.78, 1.98]	*
Total (95% CI)		2374		2351	100.0%	1.18 [0.85, 1.64]	•
Total events	76		63				
Heterogeneity: Chi ² = 6.	0.01 0.1 1 10 100						
Test for overall effect: Z	= 1.00 (P	= 0.32)				Favours PCI Favours CABG

3. MI – 1 year



Stable angina: FULL guideline draft (May 2011)

4. Repeat revascularisation - 1 year

	PCI		CAB	G		Risk Ratio	Risk	Ratio		
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% C	M-H, Fix	ed, 95% CI		
ARTS 2001	126	600	23	605	26.6%	5.52 [3.59, 8.49]		-		
Eefting 2003	21	138	6	142	6.9%	3.60 [1.50, 8.65]				
Hueb 2004 (MASS II)	25	205	1	203	1.2%	24.76 [3.39, 180.98]				
LEMANS 2008	15	52	5	53	5.8%	3.06 [1.20, 7.80]		_ -		
SYNTAX 2009	120	891	50	849	59.6%	2.29 [1.67, 3.14]		=		
Total (95% CI)		1886		1852	100.0%	3.55 [2.82, 4.47]		•		
Total events	307		85							
Heterogeneity: Chi ² = 15		0.01 0.1	1 10 100							
Test for overall effect: Z	Test for overall effect: $Z = 10.75$ (P < 0.00001)									

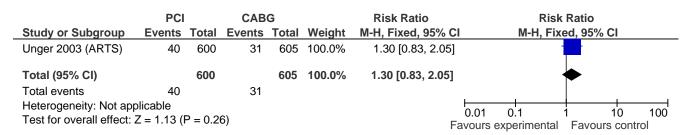
5. Free of angina – 1 year

	PCI	CABG		Risk Ratio	Risk Ratio
Study or Subgroup	Events Tota	I Events Total	Weight	M-H, Fixed, 95% CI	M-H, Fixed, 95% CI
ARTS 2001	473 600	541 605	46.6%	0.88 [0.84, 0.93]	•
Eefting 2003	108 138	3 120 142	10.2%	0.93 [0.83, 1.04]	+
Hueb 2004 (MASS II)	107 209	120 203	10.4%	0.88 [0.74, 1.05]	+
SoS 2002	309 47°	387 493	32.7%	0.84 [0.77, 0.91]	•
Total (95% CI)	1414	1443	100.0%	0.87 [0.84, 0.91]	•
Total events	997	1168			
Heterogeneity: Chi ² = 2.	,		0.01 0.1 1 10 100		
Test for overall effect: Z	= 6.60 (P < 0.0	0001)			Favours PCI Favours CABG

6. Death (all causes) – 2 years

	PCI	CAB	G		Risk Ratio	Risk Ratio	
Study or Subgroup	Events To	otal Events	Total	Weight	M-H, Fixed, 95% CI	M-H, Fixed, 95% CI	
Booth 2008 (SOS)	22	488 8	500	26.5%	2.82 [1.27, 6.27]	_ -	
Unger 2003 (ARTS)	17 6	600 22	605	73.5%	0.78 [0.42, 1.45]	-	
Total (95% CI)	10)88	1105	100.0%	1.32 [0.83, 2.11]	•	
Total events	39	30					
Heterogeneity: Chi ² = 6	6.21, df = 1 (F	$P = 0.01$; $I^2 =$	84%			0.01 0.1 1 10 10	 00
Test for overall effect: 2	Z = 1.16 (P =	0.25)			Fa	avours experimental Favours control	JU

7. MI – 2 years



8. Repeat revascularisation - 2 years

	PCI		CAB	G		Risk Ratio	Risk Ratio
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% CI	M-H, Fixed, 95% CI
ARTS 2003	160	600	37	605	64.0%	4.36 [3.11, 6.12]	-
SoS 2002	93	488	21	500	36.0%	4.54 [2.87, 7.16]	-
Total (95% CI)		1088		1105	100.0%	4.42 [3.37, 5.81]	•
Total events	253		58				
Heterogeneity: Chi ² = 0	0.02, df =	1 (P = 0).89); I ² =		0.01 0.1 1 10 100		
Test for overall effect:	Z = 10.70	(P < 0.	00001)				Favours PCI Favours CABG

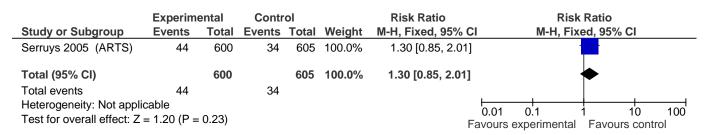
9. Free of angina - 2 years

	Experime	ental	Contr	ol		Risk Ratio	Risk Ratio
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% (CI M-H, Fixed, 95% CI
ARTS 2003	465	583	508	583	100.0%	0.92 [0.87, 0.96	·]
Total (95% CI)		583		583	100.0%	0.92 [0.87, 0.96]	1
Total events	465		508				
Heterogeneity: Not app							0.01 0.1 1 10 100
Test for overall effect:	Z = 3.37 (P)	r = 0.000	07)			F	Favours experimental Favours control

10. Death (all causes) - 3 years

	Experim	ental	Contr	ol		Risk Ratio		Risl	k Ratio	
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% (CI	M-H, Fix	ced, 95% CI	
Serruys 2005 (ARTS)	22	600	28	605	100.0%	0.79 [0.46, 1.37]]	-	-	
Total (95% CI)		600		605	100.0%	0.79 [0.46, 1.37]	l	•	\	
Total events	22		28							
Heterogeneity: Not appli Test for overall effect: Z		= 0.40)				I	0.01 Favours	0.1 experimental	1 10 Favours c	100 ol

11. MI - 3 years



Stable angina: FULL guideline draft (May 2011)

12. Repeat revascularisation - 3 years

	Experim	ental	Contr	ol		Risk Ratio		Ris	k Ratio		
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95%	CI	M-H, Fi	xed, 95%	CI	
Serruys 2005 (ARTS)	160	600	40	605	100.0%	4.03 [2.91, 5.60)]				
Total (95% CI)		600		605	100.0%	4.03 [2.91, 5.60]		•		
Total events	160		40								
Heterogeneity: Not appl Test for overall effect: Z		0.0000	1)				0.01 Favours	0.1 experimenta	1 1 I Favours	10 s cont	100 rol

13. Free of angina – 3 years

	Experim	ental	Contr	ol		Risk Ratio	Risk	Ratio
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% C	I M-H, Fixe	ed, 95% CI
Legrand 2004 (ARTS)	490	600	528	605	100.0%	0.94 [0.89, 0.98]		
Total (95% CI)		600		605	100.0%	0.94 [0.89, 0.98]	•	
Total events	490		528					
Heterogeneity: Not appli Test for overall effect: Z		= 0.007)				F	0.01 0.1 Favours experimental	1 10 100 Favours control

14. Death (all causes) – 5 years

	PCI		CAB	G		Risk Ratio	Risk Ratio
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% C	M-H, Fixed, 95% CI
ARTS 2005	48	600	46	605	63.7%	1.05 [0.71, 1.55]	•
Hueb 2007 (MASS-II)	32	205	26	203	36.3%	1.22 [0.75, 1.97]	*
Total (95% CI)		805		808	100.0%	1.11 [0.82, 1.50]	*
Total events	80		72				
Heterogeneity: Chi ² = 0.2	22, df = 1	P = 0.6	64); $I^2 = 0$	%			0.01 0.1 1 10 100
Test for overall effect: Z	= 0.69 (P	= 0.49)				F:	0.01 0.1 1 10 100 avours experimental Favours control

15. MI – 5 years

	PCI		CAB	G		Risk Ratio	Risk Ratio
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% C	M-H, Fixed, 95% CI
ARTS 2005	51	600	39	605	53.9%	1.32 [0.88, 1.97]	-
Hueb 2007 (MASS-II)	47	205	33	203	46.1%	1.41 [0.94, 2.11]	 -
Total (95% CI)		805		808	100.0%	1.36 [1.02, 1.81]	◆
Total events	98		72				
Heterogeneity: Chi ² = 0.	05, df = 1	(P = 0.8)	32); $I^2 = 0$	%			0.01 0.1 1 10 100
Test for overall effect: Z	= 2.13 (P	= 0.03)				Fa	avours experimental Favours control

16. Repeat revascularisation - 5 years

	PCI		CAB	G		Risk Ratio	Risk Ra	atio
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% (I M-H, Fixed,	, 95% CI
ARTS 2005	182	600	53	605	88.2%	3.46 [2.61, 4.60]		
Hueb 2007 (MASS-II)	66	205	7	203	11.8%	9.34 [4.39, 19.86]		-
Total (95% CI)		805		808	100.0%	4.15 [3.19, 5.41]		•
Total events	248		60					
Heterogeneity: $Chi^2 = 6.00$, $df = 1$ (P = 0.01); $I^2 = 83\%$							0.01 0.1 1	10 100
Test for overall effect: $Z = 10.54$ (P < 0.00001)						F	avours experimental F	avours control

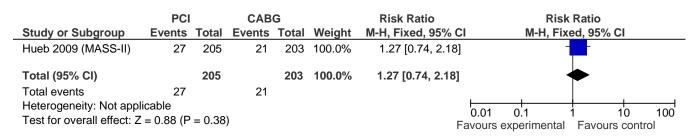
17. Free of angina - 5 years

	PCI C		CAB	CABG		Risk Ratio	Risk Ratio
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% CI	M-H, Fixed, 95% CI
ARTS 2005	467	600	511	605	80.1%	0.92 [0.87, 0.97]	
Hueb 2007 (MASS-II)	119	205	126	203	19.9%	0.94 [0.80, 1.10]	†
Total (95% CI)		805		808	100.0%	0.92 [0.88, 0.98]	•
Total events	586		637				
Heterogeneity: Chi ² = 0.0 Test for overall effect: Z		•			Fa	United States 100 10	

18. Death (all causes) - 10 years

	PCI		CAB	G		Risk Ratio		Ri	sk R	atio	
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% C	I	M-H, F	ixed	, 95% CI	
Hueb 2009 (MASS-II)	49	205	51	203	100.0%	0.95 [0.68, 1.34]					
Total (95% CI)		205		203	100.0%	0.95 [0.68, 1.34]			♦		
Total events	49		51								
Heterogeneity: Not appl Test for overall effect: Z		= 0.77)			F	0.01 avours	0.1 experiment	1 al F	10 avours cor	100

19. MI (non-fatal) - 10 years



20. Repeat revascularisation - 10 years

	PCI		CABG		Risk Ratio		Risk Ratio			
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% C	l .	M-H, Fixe	ed, 95% CI	
Hueb 2009 (MASS-II)	85	205	15	203	100.0%	5.61 [3.36, 9.38]			-	
Total (95% CI)		205		203	100.0%	5.61 [3.36, 9.38]			•	
Total events	85		15							
Heterogeneity: Not appl Test for overall effect: Z		< 0.00	001)			F		0.1 perimental	1 10 Favours cor	100 ntrol

21. Free of angina – 10 years

	PCI		CABG		Risk Ratio		Risk Ratio
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% C	M-H, Fixed, 95% CI
Hueb 2009 (MASS-II)	120	205	130	203	100.0%	0.91 [0.78, 1.07]	
Total (95% CI)		205		203	100.0%	0.91 [0.78, 1.07]	•
Total events	120		130				
Heterogeneity: Not appl Test for overall effect: Z		= 0.25)			F	0.01 0.1 1 10 100 avours experimental Favours control